



SREE NARAYANA COLLEGE
CHEMPAZHANTHY

Thiruvananthapuram, Kerala-695587
Affiliated to the University of Kerala
Website : www.sncollegechempazhanty.ac.in
E-mail : snc.org@gmail.com,
Phone : 0471 2596629, 0471 2592077
Fax : 914712596629

SELF STUDY REPORT
FOR
RE-ACCREDITATION (CYCLE-II)

Submitted to
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
Bangaluru

DECEMBER 2014

CONTENTS

Title	Page No.
I. Preface	
II. Introduction	1
III. Executive Summary	3
V. SWOC Analysis of the Institution	16
IV. Profile of the Institution	19
VI. Criterion-wise Analytical Report	
Criterion I : <i>Curricular Aspects</i>	31
Criterion II : <i>Teaching-Learning and Evaluation</i>	61
Criterion III : <i>Research, Consultancy & Extension</i>	113
Criterion IV : <i>Infrastructure and Learning Resources</i>	175
Criterion V : <i>Students Support and Progression</i>	205
Criterion VI : <i>Governance, Leadership and Management</i>	243
Criterion VII : <i>Innovations and Best Practices</i>	271
VII. Evaluative Report of the Departments	297
VIII. Post Accreditation Initiatives	407



SREE NARAYANA COLLEGE, CHEMPAZHANTHY

(ESTD. IN 1964)

MANAGED BY THE SREE NARAYANA TRUSTS, KOLLAM

AFFILIATED TO THE UNIVERSITY OF KERALA, ACCREDITED BY NAAC WITH B⁺ GRADE

Dr. L. THULASEEDHARAN, M.A., M. Phil., Ph.D.

12-12-2014

Principal

E-mail : lthulaseedharan@gmail.com

Ref:

To

Date:.....

The Director,

National Assessment and Accreditation Council (NAAC),
P.O. Box No. 1075, Nagarbhavi,
Bangalore – 560072,
India.

Sub : Uploading of Self Study Report 2014 of Sree Narayana College, Chempazhanthi, to our official website www.sncollegechempazhanthi.ac.in for the second cycle of NAAC Re-accreditation

Sir,

In compliance with your letter cited above, we have uploaded the Self Study Report of our college to our official website www.sncollegechempazhanthi.ac.in, for the second cycle of NAAC Re-accreditation of this institution. It contains data pertaining to the functioning of our college during 2009-2014, as stipulated in the Manual for Self Study Report for institutional Accreditation of Affiliated/Constituent colleges, 2013. I also affirm that we will submit the hard copy of the SSR along with the necessary documents within the stipulated time.

Thanking You

Yours truly

Principal

Chempazhanthi P.O., Thiruvananthapuram, Kerala, India

Pin - 695587, Tel : 0471-2592077, 2596629

E-mail: snc.org@gmail.com

Website : www.sncollegechempazhanthi.org

Preface

This Self Study Report, which I present with towering joy and pride, is the culmination of our sincere and dedicated endeavour to document and layout the outcome of our honest introspection which fills us with immense self-esteem and sense of fulfilment.

The contents herein are the mellowed fruits of our hard toil of almost a decade, the post accreditation period, by virtue of which Sree Narayana College, Chempazhanthu enjoys ever increasing student-demand. The rise in the demand has been our impetus to intensify our intention and exertion to realize qualitative and quantitative excellence in the institution's multifarious pursuits.

Our crystalline perspective, graced by Sree Narayana Guru is tailored for the expansion of higher education so that the gross enrolment ratio soars up to gratify the educational aspirations of the deprived, the marginalized and the vulnerable. Based on the Advaita philosophy, the Guru preached Oneness of Humanity. We, the acolytes of the Guru fervently labour to impart to all, irrespective of class, caste, religious and regional disparities, moral and ethical enlightenment and adequate competence to survive the strident requirements of modern life and to augment Indian human resource potential to its maximum, with equity and inclusion.

Our mission epitomises the national higher education vision, and our enterprise aims at the materialisation of the vision and objective.

And this SSR is the saga of that triumphant march.

Dr. L. Thulaseedharan

Principal

Introduction

Sree Narayana College, Chempazhanthy, has accomplished fifty years of service in higher education, fulfilling its socio-cultural obligation. The college founded by the great visionary and educationist Shri. R. Sankar, the former Chief Minister of Kerala, has persistently been inspired by the spiritual guidance, moral steering and egalitarian perspective of our Patron Saint, the great seer Sree Narayana Guru. Guru preached 'Oneness of Humanity' and professed that enlightenment is the only means of empowerment. Hence, this institution zealously and sincerely toils to materialise the ideals of Guru, by providing all sorts of leadership and support for the uplift of the deprived, the marginalised and the vulnerable, and enlightening all on oneness of humanity.

The college, started as a junior college in 1964, is now a senior college with 13 UG and three PG programmes, and two Research Centres of the University of Kerala; 66 well qualified permanent teachers of whom 79% has research degrees – 42 Ph.D. and 10 M.Phil - and 21 research guides; 29 non-teaching staff to support the educational activities; and 1805 students pursuing different programmes. The faculty is well versed in the emerging areas of knowledge and excellently trained in the innovative teaching methods and techniques. They initiate the students to research through the student project works.

Vast majority of our students hail from rural areas – mostly from remote places, and socially, culturally and economically backward families. The vital relevance of the college is its success not only in curricular education but also in the comprehensive development of the students' personality; and its social extension activities. We are the greatest blood donors in the State. We have built houses for homeless families, waiting sheds for commuters, *anganwadis* for women and children, etc. Based on the social surveys held to identify the problems that impede the progress of the proximate and distant communities, we plan and execute various social extension programmes.

The college provides all opportunities to our students and staff for the development of their talents and skills, for which several clubs are constituted. These clubs are the venues where the students demonstrate, improve and get recognition for their athletic, artistic, literary, musical, histrionic, intellectual and polemic potentials.

Our high concern for the physical well-being and the development of the athletic skills of the students reflects on the ambitious achievements they have made in the fields of sports and games. In the teaching-learning area, our college stands at the forefront with about 38 research projects which enrich the emerging areas of knowledge, save the traditional topics. Our faculty has an enviable repertoire of research publications in various disciplines, interdisciplinary spheres, and creative writing. Such achievements are the direct outcome of the elaborate and state-of-the-art infrastructure that the institution has procured and efficiently shared among the faculty and students.

There is no miracle behind this long range of accomplishments, only devoted exertions and excellent, result- oriented governance.

NAAC Steering Committee

Chairperson : Dr. L. Thulaseedharan (Principal)

Co-ordinator : Dr. Devipriya V., Associate Professor, Department of Botany

Members

1. Dr. I.G. Shibi, Associate Professor, Department of Chemistry
2. Smt. Sreelatha R.K, Associate Professor, Department of Geology
3. Dr. K.L. Vivekanandan, Associate Professor, Department of Geology
4. Dr. A. Shaji, Associate Professor, Department of History
5. Dr. Reena Ravindran, Associate Professor, Department of Chemistry

IQAC Steering Committee

Chairperson : Dr. L. Thulaseedharan (Principal)

Co-ordinator : Dr. Reena Ravindran, Associate Professor, Department of Chemistry

Members

1. Dr. I.G. Shibi, Associate Professor, Department of Chemistry
2. Dr. K.L. Vivekanandan, Associate Professor, Department of Geology
3. Dr. Manu Remakant, Associate Professor, Department of English
4. Dr. Devipriya V., Associate Professor, Department of Botany
5. Dr. Aravind Thampi, Assistant Professor, Department of Psychology
6. Shri. S. Suresh, Office Superintendent
7. Shri. D. Premraj, Executive Member, Sree Narayana Trusts
8. Swami Subhangananda, Sree Narayana Gurukulam, Chempazhanthi

SSR Preparation Committee

Criterion No.	Name	Convener
I	Curricular Aspects	Dr. Lekha K. Nayar
II	Teaching-Learning & Evaluation	Dr. K.R. Kavitha
III	Research, Consultancy & Extension	Dr. S. Suma
IV	Infrastructure & Learning Resources	Dr. G. Sreenivasan
V	Student Support & Progression	Smt. L. Neena
VI	Governance, Leadership & Management	Dr. Aravind Thampi
VII	Innovations & Best Practices	Dr. Uthara Soman

EXECUTIVE SUMMARY

Criterion I: Curricular Aspects

The Vision, Mission and Objectives of the college are formed in adherence to the views of the great universal visionary, Sree Narayana Guru. Following Guru's doctrines like 'Emancipation Through Education' and 'Oneness of Humanity,' the college envisions to educate the students to ensure their all-round development and to create an egalitarian society. The college has taken up as its responsibility, the mission to liberate the society from the shackles of all sorts of evils and to uplift the socially and economically backward sections of the society by empowering them through high quality education. The College Calendar, College Website, Brochures, College Magazine and PTA Meetings are some of the means through which the institution tries to communicate its mission and objectives to all stakeholders.

The college, with 13 UG departments, 3 PG departments and two research centres have 66 well qualified teachers of whom 79% have research degrees. All the teachers are fully equipped for carrying out the curriculum transaction process. Keeping in mind the importance of proper implementation of various curricular aspects, several action plans are brought forth under the guidance of the IQAC, the Academic Committee and the College Council. The stakeholders including the students and their parents are given an Orientation class at the commencement of the programme in order to familiarize them with the curricular aspects. The Alumni and the PTA are apprised of the curricular aspects in their meetings with the college authorities. Further, action plans are discussed and finalized in College Level Monitoring Committee Meetings and Department Level Monitoring Committee Meetings. This action plan includes charting of Academic Calendar, semester-wise Teaching Plans, preparation of Work Diary, motivational strategy for advanced learners and remedial classes for slow learners. The decisions and details regarding the programmes offered, college rules, Tutorial System, fee structure, examination pattern, evaluation process and the various extension activities are communicated to the stakeholders through college level Orientation Programmes, college general assembly meetings, PTA meetings, etc. The ICT facilities in the departments, computer labs and the General Library enable effective curriculum delivery and, proper designing and maintenance of academic records. The institution gives support to teachers by encouraging them to participate in Refresher and Orientation Programmes, Workshops, Seminars, Conferences and Awareness Classes.

Even though the authority to frame the syllabi rests with the affiliating university, it leaves room for the college to add components for the development of additional skills. The IQAC plays a key role in giving proper guidance in curricular matters and it continuously monitors and ensures quality curriculum transaction at all levels. Our faculty involves in the curriculum development by being part of the university bodies like the Senate and the Syndicate, The Boards of Studies, The Academic Council, Examination Boards, etc. Various efforts are taken in the field of Curriculum Advancement in order to cope with the needs of the employment market. Additional Skill Orientation Programmes like Spoken English classes and Computer Literacy classes, for which the curriculum and transactional

methods are developed by the college, are conducted for the benefit of our students. Further, horizontal flexibility is ensured through a wide range of Open Courses and Elective Courses offered by the institution.

The college tries its best to integrate cross cutting issues like Gender, Climate Change, Environmental Education, etc. into the curriculum and organizes various seminars, invited lectures by eminent personalities, exhibitions and various other programmes addressing such issues. Several Enrichment Programmes like Yoga and Meditation classes, Karate classes for girl students, training on Mushroom Cultivation and Marketing, etc. and Value-Added Courses support the holistic development of our students.

Criterion II: Teaching-Learning and Evaluation

Imbibing Sree Narayana Guru's ideology and complying with our vision and mission, we have forged ahead all through these fifty years by imparting high quality education to students from all sections of the society.

Recruitment of faculty is done strictly according to the UGC, university and government norms. Faculty Improvement Programmes, Orientation Programmes, Academic Workshops, etc. organized by the IQAC, universities, Academic Staff Colleges and Higher Education Council, Government of Kerala, and ventures like FLAIR of the Department of Higher Education, various seminars, exhibitions and workshops expose the faculty and students to the new developments in the academic field. The faculty of our college has presented 266 papers in various international, national and regional seminars and conferences.

The admission procedures to the 13 UG courses, 3 PG courses and 2 Ph.D. courses of our college are conducted as per the regulations laid down by the University of Kerala and the norms of the Government of Kerala, ensuring complete transparency. The Admission Helpdesk, which operates on a 24 hour basis, is easily accessible. Admissions are conducted strictly on the basis of merit. We follow the reservation norms stipulated by the government. The Orientation programme Know Your College, Fresher's Day celebrations and the well-charted Tutorial System ensure the identification of new talents and further evaluation of their overall performance at various levels. Supportive attention is given to weak students through initial knowledge gap bridging classes, remedial coaching and the Scholar Support Programme of the Department of Higher Education. Advanced learners are encouraged by providing special guidance through mentoring programmes like Walk With a Scholar of the Higher Education Council, ASAP, training for competitive exams like NET/SET, endowments and scholarships, and granting opportunities in peer teaching and college level seminars. Special attention is given to differently abled students as regards their educational needs and physical comfort. The programmes organized by our Women's Studies Cell, NSS units, various departments and clubs ensure gender sensitization. Green Survey of the campus and environmentally tuned programmes create awareness among students about the urgency to conserve our rich biodiversity.

The detailed Academic Calendar of the college, drafted in consultation with that of the university, well-charted department level time-tables, month-wise teaching plan of the faculty, teachers' work diary, co-curricular activities via clubs and committees, charting and monitoring of the Continuous Evaluation by the CLMC, etc. ensure a methodically planned and well-run academia. In our learner-centric method of pedagogy, we utilize the ICT enabled facilities like OHP, LCD projectors, smart class rooms, audio-visual lab, laptops, DVD and CD players, etc. We adopt innovative teaching methods like micro teaching, peer teaching, role plays, film shows, short film making, publishing newsletters, stage shows, group discussions, academic debates, interdepartmental and intercollegiate academic programmes and competitions, etc.

Both in-semester and end-semester methods of assessment are done to evaluate the students all through the semester. The students are free to register complaints, with the DLMC, CLMC, ULMC or the Principal regarding anomalies in the assessment, if any. The pass percentages for various programmes offered are consistently high (60-90% during the last five years). The low social, economic and cultural profile of the students causes distractions which have resulted in the fluctuation in the percentage.

The course curriculum is designed by the university, giving sufficient freedom to the institution to choose the mode of curriculum transaction and to add necessary components for the development of the skill, competence, attitude, character, personality, etc., of the students. Enrichment Classes conducted by the Sree Narayana Study Centre, Yoga Classes, Karate Training Classes for women, Spoken English Classes and training in Mushroom Cultivation and Marketing, Ornament Making, Umbrella Making, Paper Bag Making, etc. help the students develop their personality and financial state.

Criterion III: Research Consultancy and Extension

The college envisions a future where every member of the faculty actively contributes to the academic research and social development. Such an environment facilitates critical thinking and scientific enquiry among the students as well. The college, during the past fifty years, has taken giant strides towards this goal of translating theory to practice. We have eminent faculty constantly engaged in exploring research possibilities, keeping in mind the requirements of the community in and around the college as well as the state. The college has 42 Ph.D. holders as members of faculty and 21 research guides registered under various universities. They guide 53 research scholars of whom 29 have chosen this college as their Research Centre. The college has two Research Centres: Department of Chemistry and Department of History. Faculty of this college has produced 15 Ph.D.s and has completed 5 Major Research Projects and 23 Minor Research Projects of UGC. Ten Minor Research Projects funded by the UGC are now in progress. Contributions in the form of publications deserve special reference since the academicians of this college have published 185 papers in nationally and internationally acclaimed journals of high impact factor. The direct beneficiaries of all these meritorious research activities are the students. A major contribution by the

college in the area of research is the annually held seminar series titled Spectrum, which offers a platform for the students to present their research findings before eminent academicians. There are several members of the faculty, especially of the Department of Psychology offering consultancy service across the state. Our institution is well aware of its responsibility to the society and acts accordingly. Several social extension research activities have been conducted by the Departments of Sociology, Psychology and Chemistry. The recently conducted water analysis programme of the Department of Chemistry in collaboration with the National Centre for Earth Science Studies is only one among several such programmes that highlight the social commitment and moral responsibility of the teachers and students towards the community.

The college encourages inter-disciplinary research and research in emerging areas. Our faculty has presented inter-disciplinary research papers in international seminars and gained high honour from the national scholar communities. Our laboratories are utilised to carry out several researches on new areas of knowledge.

We publish an Interdisciplinary Biannual Research Journal *Logos* and the Research Centre of History publishes an annual research Journal *Historia*.

The college proposes to further its range of usefulness to wider areas of knowledge and social extension through research and the implementation of its outcome for human development.

Criterion IV: Infrastructure and Learning Resources

The college has formulated an adaptable and flexible policy which has promoted a rapid development of infrastructure facilities catering to the demands of the time in the realms of teaching, learning and research, and accordingly the college has procured sufficient state-of-the art infrastructure, which is constantly upgraded.

The college has to its credit 32 spacious, adequately furnished and well-ventilated class rooms of which three are smart class rooms; 25 staff rooms; ICT infrastructure in class rooms, other learning areas including libraries, computer labs, research rooms and college office; two computer labs, three ICT enabled seminar rooms with the total seating capacity of about 400; five research rooms; ten laboratories; three libraries including one digital general library; one language lab; one guest room; two yoga and meditation centres; one canteen; one ladies' hostel; and two vehicle parking areas. We provide on call medical facility also, for which the college has association with two nearby hospitals. Rain water harvesting system, bore well, pipeline, and overhead tanks provide continuous supply of safe drinking water to the institution. The college is gifted with sufficient natural water resource. Aerobic waste treatment plant and an incinerator are installed for ensuring the cleanliness of the environment. The college provides a ladies' waiting room with first aid facility, a sick room, a mentoring room and a Student Welfare and Support Centre. The sports facilities provided by the college include a football ground, soft ball court, volley ball court, cricket ground, track and

field, indoor games stadium and gymnasium, as well as sufficient sports materials. The *Thrippadam* auditorium of the college is an aesthetically designed structure with modern audio-visual facilities and a perfect ambience for scientific and cultural meets of international standards. The college provides ample space and amenities for the smooth functioning of all curricular and co-curricular constituents.

All the departments in the college are provided with computers with internet facilities. The class rooms are connected to the Principal's chamber through a public address system. The college is equipped with eleven LCD projectors, sixty-five computers of which twenty-five have the latest configuration, three smart boards, one digital library, five digital handycams and still cams, one web cam, one digital notice board, three scanners, sixteen laser printers, three inkjet printers, fourteen Wi-Fi enabled systems, two inverters, one power generator, four sound systems, fifteen terminals for intercom connectivity, five portable teaching amplifiers, three printers with scanners, and five reprographic machines with printing and scanning facility.

Apart from the 22651 books in the different department libraries, the General Library houses 13310 books, ten newspapers, 23 periodicals, and 37 journals. The Book Bank Scheme provides prescribed books to economically weaker and deserving students. The library provides CAS (Current Awareness Service) through clipping service. It also has a TV and CDs on various disciplines for skill development purposes. The NAD (New Arrival Display) informs the students about new books. The highlights of the facilities available in the library include clippings, bibliographic compilation, reprographic facilities, computer and printing, Inter Library Loan Scheme, power backup, information display and notification. INFLIBNET facility is also available in the library. Bus facility is available for the conveyance of the students and staff.

All laboratories attached to the departments and research centres are well equipped with sufficient and latest instruments and equipment that suffice the needs of UG, PG and Research programmes. The NSS and NCC units are provided with separate rooms and storage facilities.

Sufficient number of toilets for both the genders of students is provided at various convenient spots in the campus. All departments and the General Library have attached toilet facilities. All provisions are provided for the uninterrupted safe drinking water supply and power supply. The college has installed a Green House attached to the Department of Botany.

The college ensures continuous supply of materials to departments, laboratories, libraries and the offices, and for the maintenance of buildings and furniture. The college is diligent in maintaining the whole campus clean and hygienic, and to maintain the campus environment. The authorities provide all infrastructural and financial support in this regard.

The Planning Board, the Building Committee and the Purchase Committee of the college meet regularly, and discuss and finalize matters related to the infrastructural development of the college.

The infrastructural strategy is progressive and futuristic enough to accommodate emerging trends and fulfill the requirements of the emerging areas of knowledge. We constantly procure new technological devices which are relevant to the present and prospective educational and research needs, upgrade all possible equipment and maintain them meticulously.

Criterion-V: Student Support and Progression

The college has a well-designed student support mechanism which covers all the curricular and co-curricular aspects of higher education.

All the information regarding the institution is publicized through the annually updated college website, handbook, prospectus and notices. The handbook contains every information about the curriculum, admission process, fee structure, programmes, schemes of examinations, infrastructure facilities, student support facilities, curricular and co-curricular functional bodies etc. Admission to all programmes is done through the centralized process of the university. Admission to the community and management quotas is done by the college on the basis of merit. At the beginning of every programme, the students and the parents are made well aware of all the curricular, co-curricular and extension activities; teaching and assessment; facilities and infrastructure; student support systems and activity platforms, scholarships and concessions and rules and regulations of the college.

During the last five years 184 students received scholarships from state and central governments, and other agencies. Apart from these, the college supports students with endowments, awards and prizes. The college has instituted a system to provide free food and accommodation to economically weak students and sports students. During the last five years the college has provided financial assistance from the government and other national agencies to 2639 students.

Weak students and slow learners are given special classes and remedial sessions for their academic development. The students are encouraged to participate and present papers in seminars and conferences. They have the freedom to bring out department-wise magazines, wall-magazines, manuscript magazines, etc apart from the college annual magazine, in which they can publish scholarly articles and creative writings. The college arranges for the students' interaction with learned and reputed personalities of different disciplines and arts. They are given opportunities to visit and watch the functioning of reputed research centres and institutes.

Various clubs, forums and cells are constituted in order to bring out and develop the latent talents of the students. The Tutorial Systems, the clubs, NSS, NCC, the College Students' Union, etc are open to all students to develop themselves and to participate in social development and nation building.

The physically disabled students are provided class rooms only on the ground floor. Ramps and wheel chairs are provided for their smooth mobility.

The student volunteers' service helps them to borrow and return books from the library. Scribe facility also is ensured to assist them in writing the exam.

The college has taken every step to encourage students in sports and games, and cultural activities. Apart from providing expert training, facilities and infrastructure, the college gives them financial assistance for participating in off-campus programmes and competitions. The college has allied with Lakshmibai National College of Physical Education and the Sports Authority of India so that our sports talents obtain the latest sports and games techniques, know-how and human resources.

The college conducts annual medical check-up of all students. They are protected under Group Personal Accident Insurance (GPAI). The college has an alliance with two nearby hospitals in order to ensure timely medical attention to the needy students. We have been extending financial assistance to our students who are economically weak for medical treatment. The college conducts awareness classes regularly on various health related issues. We are the topmost blood donor in the state. The college organizes coaching classes for competitive examinations and recruitment tests like UPSC/KPSC tests, Bank tests, UGC/CSIR examinations, NET/SET etc.

The Career and Counseling Centre provides timely information about job opportunities in detail. We conduct several student support programmes like Additional Skill Acquisition Programme (ASAP), Walk with a Scholar (WWS), Spoken English Course, Computer Literacy Programme, vocational training in different areas like Mushroom Cultivation, Ornament Making, etc, personality development programmes, Scholar Support Programmes (SSP), seminar series and various publications.

The Grievance Redressal Cell, Anti-Ragging Cell and the Anti-Sexual Harassment Cell, along with the NSS and NCC make the campus progressively friendly and safe to each student in the campus.

Thanks to the efficient student support mechanism, in academic result average, our college stands far above the university average and many other nearby colleges. Our college has been one of the best in sports and games, and cultural competitions.

Criterion VI: Governance, Leadership and Management

The college is governed by the Sree Narayana Trusts, Kollam, a corporate management of educational institutions. The Management Committee comprises elite representatives of different fields and professions such as doctors, engineers, advocates, professors, businessman, social workers etc. The vision, mission and objectives of the management are those preached by the great seer Sree Narayana Guru, especially his mottos: "Emancipation Through Education" and "Oneness of Humanity". The objective of the college is to bring up generations of youth with egalitarian outlook, progressive attitude, value based life, service mentality and patriotism. We are duty bound to make all efforts to achieve "Oneness of Humanity" for which the upliftment of the marginalized and the unprivileged is imperative.

The management and the college have a well defined quality policy and plan which is implemented by a decentralized participative management system. The Principal is the highest authority in the college who interacts with the management, the university, UGC, government and all other sections of the stakeholders. He facilitates all requirements for the successful functioning of the college through several curricular and co-curricular committees in which the faculty and students participate. The college administrative office supports the academic functioning, the academic personnel and the students in administrative and ministerial matters, financial matters and in official correspondence. In order to provide facility and infrastructural support, a Regional Development Council is constituted by the management.

The College Council, a statutory body, advises the Principal in all matters. All HODs, two elected representatives of the faculty, the office superintendent are members and the College Students' Union Chairman is the invited member of the committee.

The College Council constitutes the IQAC of the college which forms various curricular committees, like the Tutorial system, Examination Committee, Library Committee, CLMC, Research Committee, Sports Committee and co-curricular committees like Students' Grievance Redressal Cell, Career Guidance and Placement Cell, Counseling Cell, Women Empowerment Cell, Nature Club, Sree Narayana Study Centre, etc. The IQAC is headed by the Principal with a senior faculty member as its Co-ordinator. Five representatives of the faculty, the office superintendent, one representative of the management, and one representative of the local community are its members. The Students' Union Chairman is the invited member of the IQAC. The IQAC mobilizes the internal potentials of the faculty and the students to enrich quality of curriculum transaction with proper guidance, necessary support and assessment. The IQAC trains teaching and non-teaching staff in quality maintenance of their work.

The College Council constitutes an Academic Committee comprising senior members of the faculty in order to conduct academic activities. Each department is led by a Head, the senior most member of the faculty. Each member of the faculty is a tutor guiding a tutorial group of the department.

The policy statements, action plans, support policies etc are published through the College Website, the Academic Calendar, the Handbook, and the College Prospectus. Press releases and notices also are used for interaction with the stakeholders. The top management receives information about the policies and plans of the institution from the Principal through periodic reports and the Principals' Conference.

The HOD in consultation with the members of the department, divides the curriculum portions and fixes the time-table. The HOD monitors the curriculum transaction by each teacher, assesses the teaching plans and the work diary. The faculty apart from the class room teaching identifies and encourages various potentials of their wards.

The Tutorial System provides the students a platform to develop themselves scholastically, intellectually, emotionally, morally and individually.

The DLMC ensures proper functioning of the department and students' progression. The students are free to voice their complaints either in person or through the complaint box kept at the Principal's office.

The top management provides all assistance to the teachers for their faculty development. The effective implementation and improvement of the plans of the institution are monitored and evaluated by means of the Tutorial System and training programmes. The Tutorial System provides each student a mentor and in turn it enhances the teachers' leadership quality. Teachers are encouraged to participate in several leadership training programmes.

The club activities, the College Students' Union activities, tutorial group activities, the seminar series 'Spectrum', publication of magazines, extension and social activities, NSS and NCC are venues where students develop their leadership qualities.

The college develops and updates its facilities and infrastructure in a systematic way following a flexible plan which can accommodate the emerging trends and requirements without any friction.

The college has a realistic system for getting feedback from all sections of the stake holders. The PTA, the alumni meeting, the Tutorial System, the student feedback form, grievance cell, complaint box, RDC reports etc are sources of such feedback. The information thus collected are analysed and necessary measures are taken for suggested improvement. Orientation and Refresher courses, skill development programmes, administrative training, leadership training, seminars, workshops, conferences, etc are conducted for the faculty. The faculty is always encouraged to participate in such events held in other institutes also. The main source of our financial resource is the UGC grant. Funds from the management, PD account and the PTA also provide financial support to the institution. Individuals and the alumni extend support by instituting endowments, medals and cash prizes for outstanding achievements. The financial audit is performed by the offices of the Accountant General, the Directorate of Collegiate Education and the Management. The college conducts internal audits by a chartered accountant also. The Planning Board and the Purchase Committee of the college monitors the expenditure of the funds.

The college conducts annual academic audits to assess the infrastructural facilities, fund utilization, publication by students and faculty, students' academic achievements, extension activities, academic achievements by the faculty, etc. As a result, the college could install sophisticated instruments in laboratories, improve the quality and quantity of publications, prioritize expenses, increase the number of Ph.D. holders, increase the number of research projects, modernize library services and expand community extension and social upliftment activities.

The college conducts several innovative programmes like *Marg Darsan* - for feedback, *Mentoring* - for developing the faculty's leadership qualities, *Spandanam* - to identify students with mental and physical difficulties, *Anubhavam* - to share knowledge with peers, *Spark* - a job market awareness programme, *Thanal* - a community support programme, *Living Well* - to promote right health and habits, *Inspire*- a research assistance programme, etc.

Criterion VII: Innovations and Best Practices

Sree Narayana College, Chempazhanthi is blessed with a lush green campus with a wide biodiversity which is well maintained by the college community, for environment protection is a prominent plank of our programmes. The college conducts partial green audit for ensuring prevention of environment contamination and conservation of energy and resource. The audit in three segments-energy audit, water audit and bio-diversity audit-helps the college to locate eco-hostile presence and to rectify it and to document the campus flora in visuals and books. The college is very particular to effect carbon neutrality for ensuring an eco-friendly campus. The bio-degradable waste is made compost, and non-degradable and e-waste are disposed for reuse or recycling.

Our innovative practices in curriculum aspects include expert talks, interdisciplinary and intradisciplinary regional, national and international seminars, exhibitions, publication of magazines, micro-teaching, etc and academic programmes conducted by students. For developing creativity of students the college provides every possible opportunity through the functioning clubs, Students' Union activities, competitions and public performances. Programmes like Scary Theatre, short film and documentary productions, exhibition, College Magazines, etc vouch for our success in this aspect. In order to instill moral and ethical qualities, national feeling, humanitarian and socially oriented attitude, and strong interest in modern trends and world affairs we observe important national days, birth days of eminent personalities and international theme-days regularly. We conduct community extension activities and social development programmes through which we extend our functioning to the community. All these activities and functioning provide to the students ample opportunity for the development of their leadership quality. As an institution of higher learning, the college gives prominence to the teaching-learning process where we follow several innovative practices. They include innovative student-centric methods, pre-assessment knowledge and confidence building coaching and computer and communication skill development. Periodic knowledge enhancing and skill developing programmes help teachers to update and improve their scholarship and curriculum transactional efficiency. Teachers get a deep grasp of the frontier areas and emerging trends and techniques from the academic programmes they attend and their interaction with eminent scholars, which they share with the faculty and the students. This in turn reflects on the update of our infrastructure. The college has several welfare mechanisms for students and staff and the local community.

The Best Practices chosen for presentation in this SSR are Spectrum, the annual fortnight long interdisciplinary seminar series and *Guruswantham*, a humanitarian gesture for alleviating the pangs of the suffering. Spectrum exposes the diverse strange areas of scholarship, familiarizes modern methods and techniques and inculcates an affinity for research in the students and faculty. Since the programmes' organizational work is done by the students they gain direct experience of the conduct of large scale academic programmes and the spirit of accommodation in collective endeavours. *Gurusanthwanam*, apart from helping the suffering instills self discipline, sense of social and national responsibility and leadership quality as well as the sense of fulfilment in the students.

The college has a host of such programmes to highlight, thanks to our Vision and Mission, graced by the great Sree Narayana Guru, our Patron-Saint and Sri. R. Sankar, our founder. The harmonious blend of multifarious activities that we integrate in our province is our hall-mark that we pride in.

SWOC ANALYSIS OF THE INSTITUTION

Strengths

- Fifty years tradition of exemplary service in the field of Higher Education in Kerala
- The serene ambience of the fortified campus located at the birth place of the saint, social reformer and seer, Sree Narayana Guru
- Location, conducive to develop research collaborations with reputed institutions
- Association with Sree Narayana International Study and Pilgrim Centre located near the campus for collaborative promotion of the ideals of Sree Narayana Guru
- Nobility and clarity of vision and mission, graced by Sree Narayana Guru
- Highly supportive management, Sree Narayana Trusts, Kollam which has 14 other aided colleges in various parts of Kerala
- Well-qualified and dedicated faculty of 66 members with 42 Ph.D.s and 10 M.Phil
- Two Research Centres and 18 reputed Research Guides
- Two research journals : *Logos* and *Historia*
- Contacts with Research Organizations, Educational Institutions, Science and Technology Centres, and Industry Interface
- Frequent visits of eminent scholars, scientists and experts for interaction with the faculty and students
- The unique annual multi-disciplinary seminar series 'Spectrum' which offers a platform for students to present topics of their choice before eminent personalities
- Development and maintainance of research culture in the campus by the innovative involvement of the faculty
- Higher minimum and maximum marks at entry level than those of the nearby colleges
- High scale performance achieved by the students in sports & games
- A well-stacked library with INFLIBNET facility
- High pass percentage attained by students belonging to weak socio-economic background
- *Gurusanthwanam* - a result oriented community-extension activity and social work
- Translation of *Daivadasakam* (Sree Narayana Guru's Ten Hymns to God) from Malayalam to Hindi drawing national currency to the Hymns, during its centenary of composition
- Topping in Blood Donation in Kerala
- Health care facility available to the students and staff
- Strong support & co-operation from the local community, the Regional Development Council and the management
- Numerous representations of our faculty in the decision making apex bodies of the university
- Eco-friendly, well maintained environment and hygienic premises

- Strong Alumni Association and alumni in key positions in various walks of life all over the world
- Very cordial relationships with former faculty and other stakeholders
- Efficiently functioning PTA
- Well-organized, efficient Administrative Office
- Meticulous and comprehensive evaluation system
- Commitment to women empowerment : the number of girl students out-number boys
- Strong, democratically elected Students' Union led by highly disciplined, efficient leadership with clear, political perspectives
- Well-disciplined atmosphere conducive to peaceful learning
- Eco-friendly green campus maintained by the management, the faculty and the students
- Excellent infrastructural facilities including smart classrooms, a digitalized Central Library, Seminar Halls, Computer labs, Ladies Hostel, multi-storied buildings, College Bus, Auditorium, etc.
- ICT enabled teaching learning process equipped with sufficient LCDs and computer systems with internet connectivity
- Relatively unique courses like B.Sc Geology, B.Sc Psychology and B.A Sociology
- Establishment of a Higher Secondary School and a Self Financing College in the same campus by the management

Weaknesses

- Restrictions imposed by the government in sanctioning aided courses
- Less than eligible number of P.G. courses
- Inadequate public transportation facilities
- Restrictions on initiating interdisciplinary programmes
- Lack of permanent hostel facilities for the faculty and the male students
- Mass retirement of experienced senior teachers and delay in government sanction for fresh postings
- Restrictions on designing course curriculum
- Low social, economic and cultural background of students
- Low student proficiency in English language at the entry level
- Lack of swimming pool and indoor stadium

Opportunities

- Prospects of more faculty research activities
- Scope for more UG and PG courses
- Prospects for more Research Centres
- Provision for more funds from UGC and other funding agencies to strengthen infrastructural facilities
- Increase in the number of scholarships and freeships for students
- Ample higher study options provided by the elective courses offered by the college

- Enough space available in the campus for further expansion of infrastructure
- Scope to collaborate with the Sree Narayana International Study and Pilgrim Centre to propagate Sree Narayana literature throughout the world
- Developing collaborations with placement potentials
- Scope for improving Student Diversity at National level
- Potential for obtaining Patents in Research

Challenges

- Insufficient working days for completion of portions in the CBCS system
- Undue delay in completing admission process due to the centralized admission process of the university
- Disproportionate teacher-student ratio
- Unrestricted mushrooming of private professional colleges detrimental to the conventional aided courses provided by the college
- Too tightly packed CBCS system hampering development of research interest in UG students

PROFILE OF THE INSTITUTION 2014-2015

1. Name and address of the college:

Name :	Sree Narayana College, Chempazhanthy	
Address :	Chempazhanthy	
City : Thiruvananthapuram	Pin : 695587	State : Kerala
E-mail:	snc.org@gmail.com	
Website	www.sncollegechempazhanthy.ac.in	

2. For communication:

Designation	Name	Telephone with STD	Mobile	Fax	Email
Principal	Dr. L.Thulaseedharan	O: 0471-2596629 R: 0471-2413413	09447018995	+914712596629	lthulaseedharan@gmail.com
Vice-Principal	--	--	--	--	--
Steering Committee Co-ordinator	Dr. Devipriya V.	O: 0471-2592077 R: 09447369708	09447068126	--	devipriyascorp@gmail.com

3. Status of the institution

Affiliated College	<input checked="" type="checkbox"/>
Constituent College	<input type="checkbox"/>
Any other	<input type="checkbox"/>

4. Type of Institution:

A. By Gender	<input type="checkbox"/>
I. For Men	<input type="checkbox"/>
II. For Women	<input type="checkbox"/>
III. Co-Education	<input checked="" type="checkbox"/>
B. By Shift	<input type="checkbox"/>
I. Regular	<input checked="" type="checkbox"/>
II. Day	<input type="checkbox"/>
III. Evening	<input type="checkbox"/>

5. It is a recognized minority institution?

Yes

✓

No

If yes specify the minority status and provide documentary evidence. NA

6. Sources of funding:

Gover

--

nment

✓

Grant-in-aid

--

Self-

--

financing

Any

other

7. A. Date of establishment of the college: 20/07/1964

B. University to which the college is affiliated : University of Kerala

C. Details of UGC recognition:

Under Section	Date, Month & Year	Remarks(If any)
i. 2 (f) ✓	20/07/1972	--
ii. 12 (B) ✓	20/07/1972	--

(Certificate of recognition u/s 2 (f) and 12 (B) of the UGC Act enclosed)

D.Details of recognition/approval by statutory/regulatory bodies other than UGC : NA

8. Does the affiliating university Act provide for conferment of **autonomy** (as recognized by the UGC), on its affiliated colleges?

Yes

No

✓

If yes, has the College **applied for availing the autonomous** status?

Yes

No

✓

9. Is the college **recognized**?a) **By UGC** as a College with Potential for Excellence (CPE)?

Yes

No

✓

If yes, date of recognition: (dd/mm/yyyy)

b) or its performance by any other governmental agency?

☐ Yes

☐ No ✓

10. Location of the campus and area in sq.mts:

Location *	Rural
Campus area in sq. mts.	30Acres
Built up area in sq. mts.	10429 sq.mts.

11. Facilities available on the campus (Tick the available facility and provide numbers or other details at appropriate places)

- **Auditorium/seminar complex with infrastructural facilities ✓**

- **Sports facilities**

☐ play ground ✓

☐ swimming pool

☐ gymnasium ✓

- **Hostel**

☐ Boys' hostel -

Nil

☐ Girls' hostel ✓

i. Number of hostels :1

ii. Number of inmates : 70

iii. Facilities – Reading room, an audio visual hall for recreation consisting of TV with DTH connection, facilities for games such as caroms, chess and shuttle badminton, visitor's room, a spacious mess hall, 3 staff rooms, 17 double rooms, 1 spacious kitchen, 1 store room, 7 bath rooms, 13 toilets and 12 wash basins, continuous supply of purified water, and a well-equipped common room with a gymnasium, yoga and health care centre and computer facility including access to internet, first aid medical facilities (24x7) adequate furniture, water purifier for uninterrupted safe drinking water supply, uninterrupted power supply etc. A senior faculty member is appointed as the Deputy Warden. The remaining staff includes a hostel matron and a watchman.

☐ Working women's hostel - Nil

- Residential facilities for teaching and non-teaching staff (give numbers) – Nil
- **Paying Guest Room facility** for PG students in the neighbourhood-available

- Cafeteria — Yes
- Health centre – sick room, first aid and doctor-on-call facility
- Health centre staff facility

Qualified Doctor Full Time ☐ Part time ☐ **On- call** ☒

Qualified Nurse Full Time ☐ **Part time** ☒

- Facilities like banking, post office, book shops - Nil
- **Transport facilities** to cater to the needs of the students and the staff - **College Bus**
- **Animal house - Yes**
- **Biological waste disposal - Yes**
- **Generator for management/regulation of electricity and voltage - Yes**
- **Solid waste management facility - Yes**
- **Waste water management – Proper sewage system**
- **Water harvesting -Yes**

12. Details of programmes offered by the college (Give data for current academic year)

Sl. No.	Program me Level	Name of the Programme/ Course	Duration	Entry Qualificatio n	Medium of instructio n	Sanctioned Student strength	No. of students admitted
1	Under-Graduate	B.A. English B.A. History B.A. Economics B.A. Political Science B.A. Sociology B.Sc .Psychology B.Sc. Mathematics B.Sc. Physics B.Sc. Chemistry B.Sc. Botany B.Sc. Zoology B.Sc. Geology B.Com	3 years	Plus Two	English	486	606
2	Post-Graduate	M.A. English M.A. History M.Sc. Chemistry	2 years	Degree	English	42	53
3	Ph.D.	Chemistry History	3-5 years	PG	English	--	5

13. Does the college offer **self-financed Programmes**? **No**

14. **New programmes** introduced in the college during the **last five years** if any?

Yes	✓	No		Number	1
-----	---	----	--	--------	---

Three more courses approved by the University of Kerala for next year

- **B.A. Malayalam, BA Communicative English & M.A. Sociology**

15. **List the departments:**

Faculty	Departments (E.g. Physics, Botany, History etc.)	UG	PG	Research
Science	Physics, Chemistry, Botany, Zoology, Geology, Mathematics & Psychology	7	1	1
Arts	History, Economics, Politics, English & Sociology	5	2	1
Commerce	B.Com.	1	Nil	Nil
Any other	--	--	--	--

16. Number of **Programmes offered under** (like BA, BSc, MA, M.Com...)

A. Annual system	Nil
B. Semester system	16
C. Trimester system	Nil

17. **Number of Programmes with**

- a. Choice Based Credit System
- b. Inter/Multidisciplinary Approach
- c. Any other (specify and provide details)

13
Nil
3 PG, 2 Ph.D.

18. Does the college offer UG and/or PG programmes in **Teacher Education**?

Yes	No	✓
-----	----	---

a) NCTE recognition details (if applicable) :

NA

b) Is the institution opting for assessment and accreditation of Teacher Education Programme separately?

Yes

No ✓

19. Does the college offer **UG or PG programme in Physical Education?**

Yes

No ✓

a) NCTE recognition details (if applicable) : NA

b) Is the institution opting for assessment and accreditation of Teacher Education Programme separately? No

20. **Number of teaching and non-teaching positions in the institution**

Positions	Teaching faculty						Non-teaching staff		Technical staff	
	Professor		Associate Professor		Assistant Professor					
	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F
Sanctioned by the UGC / University / State Government <i>Recruited</i>			13	25	7	21	25	2	2	Nil
<i>Yet to recruit</i>					10		4			
Sanctioned by the Management/ society or other authorized bodies <i>Recruited</i>	--	--	--	--	--	--	--	--	--	--
<i>Yet to recruit</i>										

*M-Male *F-Female

21. **Qualifications of the teaching staff:**

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Femal	Male	Female	Male	Femal	
Permanent teachers							
D.Sc./D.Litt.							
Ph.D.			11	18	5	8	42
M.Phil.			2	3	1	4	10
PG			Nil	4	1	9	14
Temporary teachers							

	Male	Female	
Ph.D.	2	Nil	2
M.Phil.	3	1	4
PG	2	12	14

22. Number of **Visiting Faculty /Guest Faculty** engaged with College.
Nil

23. Furnish the **number of the students** admitted to the college during the last **four academic years**.

Categories	Year 1 (2010-2011)		Year 2 (2011-2012)		Year 3 (2012-2013)		Year 4 (2013-2014)		Year 5 (2014-2015)	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
SC	29	43	24	45	46	58	35	80	38	71
ST	-	-	2	2	3	3	-	2	3	2
OBC	128	282	124	296	109	230	131	216	97	335
General	34	57	25	43	36	66	41	84	38	69
Others (Differently)			1	2		1	-	-	6	5

24. Details of **students enrollment** in the college during the current academic year:

Type of students	UG	PG	M. Phil.	Ph.D.	Total
Students from the same state where the college is located	604	53	--	5	662
Students from other states of India	0	0	--	--	--
NRI students	2	0	--	--	2
Foreign students	0	0	--	--	--
Total	606	53	Nil	5	664

25. **Drop-out rate in UG and PG** (average of the last two batches)

UG

PG

26. **Unit Cost of Education**
(a) Including the salary component

(b) Excluding the salary component

27. Does the college offer any **programme in distance education** mode (DEP)?

Yes

No



28. Provide **Teacher-student ratio** for each of the programme/course offered

Name of Department	Programme	Teacher-Student Ratio
UG		
English	B.A. English	1:40
Malayalam	Second Language	1:60
Hindi	Second Language	1:60
History	B.A. History	1:60
Economics	B.A. Economics	1:60
Political Science	B.A. Political Science	1:40
Sociology	B.A. Sociology	1:32
Psychology	B.Sc. Psychology	1:32
Mathematics	B.Sc. Mathematics	1:40
Statistics	Complementary	1:40
Physics	B.Sc. Physics	1:32
Chemistry	B.Sc. Chemistry	1:32
Botany	B.Sc. Botany	1:32
Zoology	B.Sc. Zoology	1:32
Geology	B.Sc. Geology	1:24
Commerce	B.Sc. Commerce	1:32
PG		
English	M.A. English	1:7
History	M.A. History	1: 6
Chemistry	M.Sc. Chemistry	1:4

29. Is the college applying for

Accreditation: Cycle 1 ☐ Cycle 2 ☒ Cycle 3 ☐ Cycle 4 ☐

Re-Assessment: ☐

30. **Date of accreditation**

Cycle 1: **03/05/2004**... Accreditation Outcome/Result...**B⁺**.....

Copy of accreditation certificate(s) and peer team report(s) enclosed as an annexure

31. **Number of working days** during the last academic year
days

207

32. **Number of teaching days** during the last academic year
days

180

33. Date of establishment of Internal Quality**Assurance Cell**

IQAC.....02/07/2002

34. Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC

Sl.No.	AQAR submitted	Date of submission
1	AQAR for the year 2009-10	29/12/2012
2	AQAR for the year 2010-11	29/12/2012
3	AQAR for the year 2011-12	29/12/2012
4	AQAR for the year 2012-13	05/05/2014
5	AQAR for the year 2013-14	09/12/2014

35. Any other relevant data (not covered above) the college would like to include. (Do not include explanatory/descriptive information)

This is the Golden Jubilee Year of Sree Narayana College, Chempazhanthi.

CRITERION-WISE ANALYTICAL REPORT

Criterion I

CURRICULAR ASPECTS

1.1 Curriculum Planning and Implementation

1.1.1 State the vision, mission and objectives of the institution, and describe how these are communicated to the students, teachers, staff and other stakeholders.

Vision

The vision, mission and objectives of the institution are anchored in the revolutionary and liberating philosophy and praxis of Sree Narayana Guru. The Great Guru had led the socio-cultural and political transformation of Kerala, an event unparalleled in human history, to herald an egalitarian and humanistic ethos. The vision of the college is to strengthen the revolution through education and incorporate modern values to mould a progressive cultural Kerala as embodied in his teaching: 'Realise Emancipation through Education'. This educational institution thrives to disseminate the universal philosophy of Sree Narayana Guru through out the world, assimilating appropriate developments at the scientific and pragmatic level along with its epistemic manifestations. The institution loudly and clearly proclaims its humanism as epitomised in the Guru's call of 'One Caste, One Religion, One God' for the human kind.

Mission

The college has taken up as its responsibility the mission to liberate all sections of our society from social, cultural and conventional evils. We try to mould the youth as socially responsible, moral and progressive citizens endowed with egalitarian outlook, moral conviction, unfailing competence and skill, realistic approach, pragmatic and value-based attitude, patriotism, indomitable courage and sense of direction to overcome the challenges of changing life-situations. Despite the achievements that our country has made in all walks of life, a large chunk of our compatriots remains grievously marginalised. They suffer economic, social, cultural, intellectual and educational backwardness and succumb to religious, caste, gender and geographical discrimination and segregation. We are duty-bound to bring them up to the main stream of social life by empowering them in every possible way. Our educational activities are suitably planned and executed. The following table shows the special missions of the college from 2009 to 2014:

Table 1.1 Special Missions of the college

Sl. No	Year	Special Mission
1.	2009-10	Clean Campus Green Campus
2.	2010-11	<i>Guru Santhwanam</i>
3.	2011-12	Enhancement of Competence
4.	2012-13	Earn While You Learn
5.	2013-14	Education for Employability

Objectives

- To enlighten generations of students in all disciplines.
- To impart education to enrich the youth morally, ethically, emotionally, conceptually and culturally in order to mould them as useful, responsible, capable, cultured and humane citizens. By inculcating the sense of equality, benevolence, moral uprightness, and patriotism in the students' minds, we endeavour to liberate them from all social, cultural, economic, emotional and intellectual evils and from all sorts of parochialism.
- To augment the students' competence and skill, so that they can live independently on their own earnings in the competitive world, with self-respect and dignity.
- To ensure creative participation of youth in the inclusive nation-building process.
- To develop the spirit of nationalism and patriotism in the young minds.
- To preserve our traditional values and sense of commitment to the welfare of the family, society and nation, and to facilitate comprehensive personality development of individual students.
- To develop the employability of our students, compatible to the national and international trends.
- To stop gender discriminations and to empower women.
- To ensure environment protection.
- Above all, the fundamental objective of the college is to send out generations of youth with required knowledge for all practical purposes, general awareness in all relevant disciplines and in-depth knowledge in their chosen disciplines.

The college has set up various channels to communicate our Vision, Mission, and Objectives to the stakeholders. They include:

- College Calendar
- College Website
- College Prospectus
- Know Your College Programme for the freshers
- Notice Boards
- Wall Displays

- College Magazine
- Brochures
- Manuscript Magazines
- Morning Prayer
- PTA Meetings
- Alumni Meetings
- Commemoration of the Founder's Day
- Observance of Sree Narayana Guru Jayanthi and Samadhi Day
- Involvement of the Principal, staff and students in off-campus social and cultural committees
- Celebration of national festivals and other auspicious days
- Activities of the students' forums, and clubs together with N.S.S. and N.C.C.
- The Principals' Conference convened by the Management and periodic interaction with the Local Management

1.1.2 How does the institution develop and deploy action plans for the effective implementation of the curriculum? Give details of the process and substantiate through specific example(s).

The college implements the syllabus and the curriculum framed by the respective Boards of Studies at the post graduate and graduate levels. The college teachers who are part of the Boards, Academic Councils and respective Faculty actively contribute to the development and deployment of the curriculum in various affiliated colleges of the university. The members of the Board of Studies from the college have been contributing to the framing of the curriculum and participating in discussions for its improvement and innovation.

For the effective implementation of the curriculum we design a realistic action plan and meticulously execute it, every year. The components of the plan are briefed below:

- ❖ Before the commencement of every academic year the College Council forms an Academic Committee. The Academic Committee frames an Academic Calendar in tune with the Academic Calendar of the university. The College Academic Calendar is distributed among the teachers and displayed in the departments.
- ❖ Department level meetings discuss and finalise the time tables for the respective departments.
- ❖ Teachers prepare lesson plans, teaching notes and work diaries individually. The HODs, IQAC and the Academic Committee examine and evaluate them periodically and suggest improvements or modifications, if needed.
- ❖ Students are familiarized with the syllabi at the commencement of the programmes.
- ❖ Teachers suggest and recommend books and journals as per the requirements of the syllabus.

- ❖ Periodic test papers are conducted and assignments given. They are duly evaluated. The Progress Cards and Evaluation Reports are given out to the parents in the regular class PTA meetings.
- ❖ Three-tier doubt clearing sessions for difficult topics are held regularly. They are as follows:
 - a) Teacher clearing doubts of students in the class.
 - b) Student peers clearing the doubts of their classmates, supervised by the teacher concerned.
 - c) A panel of teachers clearing doubts of students in complex topics or areas.
- ❖ Remedial classes are conducted and individual support measures are taken for slow-learners.
- ❖ The Academic Committee evaluates the reports of the completion of portions, and on the basis of the findings, special time-tables are framed for classes. Such classes are held on holidays or during non-working hours.
- ❖ Apart from the conventional classroom teaching and practicals, the college conducts tours, seminars, project work, students' class management, invited lectures by experts and scholars, visits to other institutions, interaction with off campus experts etc., for effective curriculum transaction.
- ❖ The IQAC of the college supervises and ensures the quality of curriculum transaction.

1.1.3 What type of support (procedural and practical) do the teachers receive (from the University and/or institution) for effectively translating the curriculum and improving teaching practices?

The college extends all kinds of support to teachers for the development of their skill and competence.

- ❖ The University of Kerala, through its training institutions, especially the Academic Staff College, has been improving the teaching practices. Periodic workshops conducted by the respective Boards of Studies and the Refresher and Orientation programmes of the Academic Staff College lend support to the curriculum implementation and improvement of teaching practices. The teachers are encouraged to benefit from training programmes, short term courses, seminars, workshops and other faculty development programmes.
- ❖ The IQAC of the college imparts training for the comprehensive quality improvement of the teachers. Such programmes focus on teaching methods, utilization of latest technology and facilities and emerging areas of knowledge and innovative trends.
- ❖ The college relieves the teachers who apply for sabbatical leave for the completion of their M.Phil, Ph.D or Post-Doctoral Programmes. Table 1.2 gives details of the faculty who availed deputation for higher studies during 2009-2014.

Table 1.2 Deputation availed by the faculty (2009-2014) for completing Ph.D.

Department	Name of Faculty	Topic for Research	Period of Fellowship
Mathematics	Smt. Bijila B.R.	A Study on Skew Lattices in Rings	20-08-2014 to 19-08-2016
Economics	Smt. Raji Raveendran	Resource Mobilization for Development - Potentiality of Tax Revenue in Kerala	20-08-2014 to 19-08-2016
Zoology	Smt. M.S. Vidia Panicker	Reproductive Behaviour of <i>Tatera indica-cuvieri</i> in relation to Environmental Factors, Food Deprivation and an Ethnomedicinal Plant Diet Formulation	19-10-2009 to 18-10-2012
History	Smt. Praseetha N.C.	Women's Education in Malabar 1885-1947	01-04-2009 to 31-03-2012
Economics	Shri. Vinod C. Sugathan	Socio-Economic Impact of Sustainable Tourism on Local Economy	27-03-2009 to 26-03-2012
Botany	Smt. Suma B.S.	Floristic and Ecological Studies on Algae of Polluted Water in and around Chavara Industrial Area	18-03-2009 to 17-03-2012
Physics	Smt. G. Lillybai	Non-linear Optical Properties of Certain Tartarates and Halide Crystals Grown by Gel Technique in the Presence of Electric Field, Magnetic Field and Dopants	02-03- 2009 to 03-03-2011

- ❖ For the benefit of the student community the college organizes various inter- departmental programmes.
- ❖ Our college motivates the teachers to take up assignments as resource persons to other institutions. The following table gives details of faculty as Resource Persons:

Table 1.3 Faculty as resource persons

Name of Faculty	Organizing Institution	Date of Programme
Department of English		
Dr.C.Ajayan	Sree Narayana College for Women, Kollam	25-02-2014 to 26-02-2014
	Bishopmoore College, Mavelikkara	13-08-2013
Dr.Manu	Bishopmoore College, Mavelikkara	14-08-2013

Remakant	Sree Narayana College, Varkala	13-03-2014
	Sree Narayana College, Chathannur	21-01-2014
Dr. Swapna Gopinath	Women's Christian College, Nagercoil	11-04-2014
	KNM Government Arts and Science College, Thiruvananthapuram	25-02-2014 to 26-02-2014
	Institute of English, University of Kerala	22-11-2013 to 23-11-2013
	All Saints College, Thiruvananthapuram	18-11-2013 to 19-11-2013
	Institute of English, University of Kerala	28-10-2013 to 29-10-2013
	Institute of English, University of Kerala	16-05-2013 to 18-05-2013
Smt. Julie P.S.	UGC-SAP National Workshop at Institute of English	22-11-2013 to 23-11-2013

Department of Malayalam

Smt. Asa G.	Sree Narayana Gurukulam, Chempazhanthi	31-12-2009
	NSS College, Karamana	22-12-2009
	Vilabhagam Residence Association	14-11-2009
	RCC, Medical College, Thiruvananthapuram	31-10-2009
	SSPBHS, Kadakkavur	08-10-2009
	SNDP Hall, Vakkom on Palliative Day	13-09-2009
	One hour interview telecasted in Jaihind TV	21-07-2009
	Sree Narayana Gurukulam, Chempazhanthi	11-04-2009

Department of Hindi

Dr. Mahesh S.	Sree Sankaracharya University of Sanskrit, Regional Centre, Panmana	22-9-2014 to 23-9-2014
---------------	---	------------------------

Department of History

Dr. A.P. Greeshmalatha	Department of History, University of Calicut	24-03-2010 to 26-03-2010
	Centre for Indian Ocean Studies, University of Calicut	29-03-2010 to 30-03-2010
	Government Oriental Higher Secondary School, Pattambi, Palakkad	30-12-2009
	Department of History, University of Calicut	10-11-2009
Dr. A Shaji	Department of History and Tourism Management, Kakatiya University, Andhra Pradesh	28-03-2013
	ASC, University of Kerala	12-09-2012
	All Saints College, Thiruvananthapuram	Nov to Dec 2009
	St. Xavier's College, Thumba	Nov to Dec 2009
	VTM NSS College, Dhanuvachapuram	Nov to Dec 2009

	Government Women's College, Thiruvananthapuram	Nov to Dec 2009
--	---	--------------------

Department of Political Science

Shri. S. Sisubalan	Government Arts and Science College, Kanjiramkulam	Dec-2013
	Government LPS, Kattakkada	Feb-2013
	Government HSS, Parippally	06-01-2012
Dr. L. Thulaseedharan	NSS Leadership Training Camp of Rengaprabhath, Venjaramoodu	04-12-2009

Department of Economics

Dr. Jameela V.A.	Sree Narayana College for Women, Kollam	20-11-2009
	Sree Narayana College , Chengannur	05-11-2009

Department of Psychology

Dr.A.S.Raakhee	UGC School Adoption Programme, MG College, Thiruvananthapuram	18-08-2013
	UGC School Adoption Programme, MG College, Thiruvananthapuram	09-08-2012
	Kerala State Open School, SCERT, Poojappura, Thiruvananthapuram	09-03-2009 & 10-03-2009
Dr.Aravind Thampi	Kerala Institute of Medical Science Hospital, Thiruvananthapuram	10-11-2014
	US Technology Global, Technopark, Thiruvananthapuram	04-05-2014
	HLL Life Care, Thiruvananthapuram	10-03-2014 & 16-03-2014
	Sree Sankara University, Kalady	24-02-2014
Dr. Ajilal P.	NRHM JHI and JHN Training Courses	From 2009 onwards
	Subject Expert, Kerala State Open School Learning Material Preparation Workshops	August, Sept, Nov 2014

Department of Chemistry

Shri. T.N. Manoharan	Thrippadagiri Residents Association, Thrippadapuram. Thiruvananthapuram	18-05-2009
	Government School, Kariavattom, Thiruvananthapuram	17-05-2009
	Hindustan Latex, Thiruvananthapuram	May 2009
Shri.P.K. Viswanathan	Sree Narayana College, Chengannur	12-12-2009
Dr.I G. Shibi	Invitation received from Dr.R.T. Sane, Convener, ISC-POI, University of Mumbai, for being resource person in Science Exhibition, Pride of India in Indian Science Congress -2015	03-01-2015 to 07-01-2015
	Government College, Attingal	17-11-2014
	Sree Narayana College, Chengannur, Alappuzha	06-11-2014
	Sree Narayana College, Chengannur, Alappuzha	08-05-2014

	Sree Narayana College, Kollam	23-03-2014
	RGCB and Department of AYUSH, Ministry of Health and Family Welfare, Government of India	25-01-2014
	St. Gregorious College, Kottarakkara	03-12-2013
	PG & Research Department of Chemistry, Vidya Bharathi Mahavidyalaya, Amravati, Maharashtra	08-08-2013 to 11-08-2013
	Santhigiri Siddha Medical College	01-07-2013
	School of Biosciences, MACFAST, Tiruvalla	25-04-2013
	ASC, University of Kerala	04-02-2013
	Government College for Women, Thiruvananthapuram	21-01-2013
	Cotton Hills Girls' Higher Secondary School, Thiruvananthapuram	10-09-2012
	Department of AYUSH, New Delhi	25-02-2012
	OSDD-CSIR, New Delhi at Sree Buddha College, Pattur, Alappuzha	13-08-2010
	Sree Narayana College for Women, Kollam	11-12-2009
	Government College Attingal	19-11-2009
	Sree Narayana College, Chengannur	04-11-2009
	MPMM SNT College, Shorannur	05-10-2009
	Thrippadagiri Residents Association, Thrippadapuram. Thiruvananthapuram	18-05-2009
	Government School, Kariavattom, Thiruvananthapuram	17-05-2009
	Hindustan Latex, Thiruvananthapuram	May 2009
	ASC, University of Kerala	25-03-2009
	Mannam Memorial NSS College, Kottiyam	06-02-2009

- ❖ The college meticulously utilizes the financial assistance from the UGC, PTA and the PD account for providing space, instruments, and equipment for research and teaching.
- ❖ Teachers can freely interact with the students and parents via SMS.
- ❖ The college encourages the faculty to attend workshops/seminars/symposia on curriculum enrichment.
- ❖ Awareness classes on curriculum development and service matters are arranged in the college for teaching and non-teaching staff.
 - a) An awareness class on NAAC Accreditation Process by Dr. S.V. Sudheer, Director, UGC Academic Staff College, University of Kerala on 19-09-2014.
 - b) A class on University Curriculum Restructuring-2013 by Dr. M. Jayaprakas, DCDC, University of Kerala on 18-03-2014.
 - c) An awareness class on service matters by Sri.S.Vijayakumar, Section Officer, Finance Department, Government Secretariat on 23-10-2014.

- ❖ Free internet connection and LCD are provided to all departments to ensure knowledge access and dissemination.
- ❖ The following teachers attended Orientation and Refresher Courses during the last five years:

Table 1.4 Orientation and Refresher courses attended by the faculty

Name of Faculty	Type of Course and Institution	Period of Course
Department of English		
Dr. Swapna Gopinath	Refresher Course at Academic Staff College (ASC), University of Kerala	05-06-2010 to 26-10-2010
Smt. Julie P.S.	Refresher Course at ASC, University of Kerala	11-07-2013 to 31-07-2013
	Orientation Programme (IT-oriented) at ASC, University of Kerala	23-04-2013 to 20-05-2013
Smt. P.S. Lakshmi Priya	Refresher Course in Women's Studies at ASC, University of Kerala	05-11-2013 to 25-11-2013
Smt. Nayana Konath	Orientation Programme (IT-oriented) at ASC, University of Kerala	27-07-2012 to 23-08-2012
Department of Malayalam		
Dr. S. Girijakumari	Refresher course in Malayalam at ASC, University of Kerala	02-11-2012 to 23-11-2012
	Refresher Course in Malayalam at ASC, University of Kerala	03-11-2011 to 23-11-2011
Smt. V. Sini	Refresher Course in Malayalam at ASC, University of Kerala	13-08-2014 to 02-09-2014
Department of Political Science		
Dr. L Thulaseedharan	One day Orientation Course for College Teachers for Training CBCSS Programme at ASC, University of Kerala	04-12-2009
Smt. N.R. Vineetha	Residential Orientation Programme for NSS Programme Officers at the School of Social Sciences, Rajagiri College. Ernakulam	15-10-2012 to 20-10-2012
	Two day Orientation Programme in Political Science at ASC, University of Kerala	16-08-2010 to 17-08-2010
	Orientation Programme (IT-oriented) at ASC, University of Kerala	03-04-2010 to 30-04-2010
Department of Economics		
Smt. Raji Raveendran	Orientation Course at Special Winter School, ASC, University of Kerala	28-11-2013 to 18-12-2013
	Refresher Course in Economics at ASC, University of Kerala	02-02-2011 to 23-02-2011

Department of Psychology

Dr.J.S.Nishima	Refresher Course in Environmental Science at ASC, University of Kerala	17-04-2010 to 08-05-2010
Dr. A.S.Raakhee	Refresher Course in Environmental Science at ASC, University of Kerala	17-04-2010 to 08-05-2010
Dr. Anjana R.	Orientation Programme (IT-oriented) at ASC, University of Kerala	14-10-2014 to 10-11-2014

Department of Sociology

Dr. Uthara Soman	Refresher Course (Summer Camp) at ASC, University of Kerala	30-07-2014 to 19-08-2014
	Orientation Programme (IT-oriented) at ASC, University of Kerala	14-06-2012 to 11-07-2012
Smt.N.B.Lekha	Refresher Course at ASC, University of Kerala	28-11-2014 to 18-12-2014
	Orientation Programme (IT-oriented) at ASC, University of Kerala	20-04-2013 to 20-05-2013

Department of Mathematics

Smt. Bijila B.R.	Refresher Course at ASC, University of Kerala	20-08-2013 to 09-09-2013
------------------	---	--------------------------

Department of Statistics

Smt. Anjana V.	Refresher Course in Statistics and Research Methodology at ASC, University of Kerala	21-11-2012 to 11-12-2012
----------------	--	--------------------------

Department of Physics

Dr. P.G. Shobhana Devi	Orientation Programme at ASC, University of Kerala	22-06-2009 to 17-07-2009
Smt. P.S. Amaladevi	Refresher Course in Physics at ASC, University of Kerala	03-10-2009 to 24-10-2009

Department of Chemistry

Dr. I.G. Shibi	Refresher Course in Experimental Chemistry at the University of Hyderabad	15-06-2012 to 29-06-2012
Shri.T.N. Manoharan	Refresher Course in Chemistry at the University of Goa	28-03-2009 to 18-04-2009
Dr. S. Suma	UGC sponsored Short Term Course for Research Guides (Science) at ASC, University of Kerala	23-03-2009 to 28-03-2009
Dr. Reena Ravindran	UGC sponsored Short Term Course for Research Guides (Science) at ASC, University of Kerala	23-03-2009 to 28-03-2009
Shri. S.Abhilash	Orientation Course at ASC, Kannur University	04-07-2011 to 28-07-2011

Department of Zoology

Smt. M.S. Vidia Panicker	Refresher Course in Life Science at ASC, University of Kerala	19-07-2013 to 08-08-2013
--------------------------	---	--------------------------

Department of Geology

Shri. M.D. Ratheeshkumar	Refresher Course at ASC, JNU, New Delhi.	04-04-2011 to 29-04-2011
-----------------------------	--	-----------------------------

1.1.4 Specify the initiatives taken up or contribution made by the institution for effective curriculum delivery and transaction on the Curriculum provided by the affiliating University or other statutory agency.

- ❖ Since the introduction of the CBCS system by the University of Kerala, the college has rescheduled the curriculum implementation in such a manner that the students are evaluated scientifically.
- ❖ For the effective implementation of ICT in education, computers, internet connectivity and LCD projectors are provided to all the departments.
- ❖ The departments with PG course and Research Centres facilitate the implementation of the curriculum through workshops, discussions, seminars, symposia etc.
- ❖ Meetings of College Council, Academic Committee, IQAC, and department meetings discuss and formulate various academic initiatives.
- ❖ Each semester starts with the student familiarization of curriculum details, so as to enable them to choose suitable electives and open courses.
- ❖ The CLMC of the college conducts internal assessment, the method for continuous evaluation of student progression, as part of the CBCS System. The internal assessment includes the students' involvement in extracurricular activities through the various clubs functioning in the college.
- ❖ For effective implementation of the curriculum, interactions with all stake holders are ensured and their feedback collected and analyzed.

1.1.5 How does the institution network and interact with beneficiaries such as industry, research bodies and the university in effective operationalization of the curriculum?

- The various departments of the college have established links with industries, research bodies and the university departments for effective operationalization of the curriculum. Links have been established with C.S.I.R., Central Council for Research in Ayurvedic Sciences (CCRAS), Government Ayurveda Medical College, Santhigiri Siddha Research Institute, English Indian Clays Ltd. (EICL), Travancore Titanium Products Ltd. (TTP), Indian Council of Historical Research (ICHR), Jawaharlal Nehru Tropical Botanical Garden and Research Institute (JNTBGRI), Vikram Sarabhai Space Centre (VSSC), Rajiv Gandhi Centre for Biotechnology (RGCB), National Institute of Interdisciplinary

Science and Technology (NIIST), Central Tuber Crops Research Institute (CTCRI), Indian Institute of Science Education and Research (IISER), Institute of Chartered Accountants of India (ICAI), National Institute of Nutrition (NIN), Institute of Company Secretaries of India (ICSI), National Centre for Earth Science Studies (NCESS), Centre for Development Studies (CDS), Kerala Council for Historical Research (KCHR), Kerala State Archives (KSA), etc.

- Students of UG and PG courses are advised to visit these institutions for the collection of data, update of know how, utilization of technology, familiarization with emerging trends and interaction with experts in the field for their project work. The members of the faculty also utilize these facilities.
- Resource persons from the research bodies and industries are invited to give training to the students of the college. The Career Guidance and Counselling Centre of the college is in continuous touch with these institutions.
- Our students and the associated organizations mutually benefit from the research work for which space, instruments, equipment, expertise, library and lab facilities of the associated organizations are utilized.
- Recognizing the meritorious contributions of our students in such research work the NCESS, NIIST, and CSIR have granted fellowships and stipends to the students.
- Dr. I.G.Shibi of the Department of Chemistry of our college, in his capacity as the Chairman of the Board of Studies, University of Kerala, associated himself with Vidhya Bharathi College Amaravathi, which pioneered the successful implementation of Microscale Analytical Techniques in UG programmes. The experience and the feedback he got were an impetus for him to incorporate the programme in the curriculum of the University of Kerala. He organized a university-funded training programme in Microscale Analytical Technique for the teachers of Chemistry of all colleges affiliated to the University of Kerala.
- Dr. I.G. Shibi, along with a group of research students utilized the hands-on training facilities of NIT, Surat sponsored by the Department of Bio-Technology, New Delhi, and IISc, Bangalore, sponsored by the Open Source Drug Discovery unit of CSIR. This training has been instrumental in incorporating the emerging frontier of Computer Aided Drug Design and Cheminformatics into the UG and PG curricula of the University of Kerala.

1.1.6 What are the contributions of the institution and/or its staff members to the development of the curriculum by the University?(number of staff members/departments represented on the Board of Studies, student feedback, teacher feedback, stakeholder feedback provided, specific suggestions etc.)

The faculty members of the college are actively involved in the curriculum development of the affiliating university. A table showing our representation in the Syndicate, the Senate, the Board of Studies, the Academic Council and the Faculty of the University of Kerala, who have played a seminal role in curriculum development from 2009 to 2014 is given below:

Table 1.5 Involvement of faculty in Curriculum Development Bodies

Name of Faculty	Name of Academic Body and duty discharged / Name of University	Period
Dr. L. Thulaseedharan, Principal		
Member, Directorate Level NSS Advisory Committee		2009
Member, Syndicate, University of Kerala		
Dr. K.L. Vivekanandan (Geology)		2009-14
Dr. M. Jeevanlal (English)		2009 onwards
Department of English		
Dr. V. R. Rajalekshmi	Member, Board of Studies (BOS), (UG), University of Kerala	2009-11
Smt. R. Lathika	Member, Faculty of Arts, University of Kerala	2009-11
Dr. C. Ajayan	Member, BOS (UG), University of Kerala	2009-13
Dr. Manu Remakant	Member, Faculty of Arts, University of Kerala	2013-14
Department of Malayalam		
Smt. Asa G.	Member, BOS (UG) , University of Kerala	2007-10
Department of History		
Dr. Lekha K. Nayar	Member, Faculty of Social Sciences, University of Kerala	2014
	Member, BOS (PG), University of Kerala	2011-14, 2014-17
Dr.G. Sreenivasan	Member, BOS (UG-Pass), University of Kerala	2009-12, 2014-17
Department of Political Science		
Dr. A. Sushamadevi	Member, BOS (PG), University of Kerala	2004-07 2007- 10
	Member, BOS (PG), Sree Sankaracharya University, Kalady	2010-14
	Member, BOS (UG), University of Kerala	2011-14

Dr.P.S.Vijaya natharaj	Member, BOS (UG), Kannur University	2014
	Member, Faculty of Social Sciences, University of Kerala	2013

Department of Economics

Dr. Vinod C. Sugathan	Member, BOS (UG), University of Kerala	2014- 2017
--------------------------	--	---------------

Department of Psychology

Dr. J. S. Nishima	Member, BOS(UG-Pass), University of Kerala	014- 2017, 2009- 2011
	Member, BOS (UG), Calicut University	2009- 2011
Dr. A.S.Raakhee	Member, BOS (UG), University of Kerala	2012- 2014
Dr. Aravind Thampi	Member, BOS (UG), Sree Sankara University, Kalady	2012-till date
	Member, BOS (UG), MG University	2012-till date
Dr. Ajilal P.	Member, BOS (UG), Calicut University	2012-till date

Department of Sociology

Smt. N.B. Lekha	Member, BOS (UG-Pass), University of Kerala	2014- 2017
-----------------	--	---------------

Department of Physics

Dr. S. Sreeletha	Member, BOS (UG), University of Kerala	2008- 2011
Dr. K. Kochunarayan	Member, BOS (UG), University of Kerala	2010- 2013 2013- 2016
Dr. Beena. D.	Member, BOS (UG), University of Kerala	2013- 2016

Department of Chemistry

Dr. I.G. Shibi	Chairman, BOS (UG), University of Kerala	2011- 2014
	Member, BOS (PG), University of Kerala	2011- 2014
	Member, BOS(PG), FMN College Kollam (Autonomous)	2014-till date
	Member, Faculty of Sciences, University of Kerala	2012
	Member Academic Council, University of Kerala	2009
Dr. Reena Ravindran	Member, BOS (PG), University of Kerala	2011- 2014

	Member, BOS(UG), FMN College, Kollam (Autonomous)	2014-till date
--	---	----------------

Department of Botany

Smt. P. Sathee Devi	Member, UG-BOS, University of Kerala	2009-12
Dr.S.Anilkumar	Member, Academic Council, University of Kerala	2013 onwards
	Member, ULMC, University of Kerala	2013 onwards

Department of Zoology

Dr. Kiron Vasudevan	Member, BOS (UG), University of Kerala	2008-2011
	Member, BOS (PG), University of Kerala	2012-2015

Department of Geology

Dr. K.L.Vivekanandan	Member, Syndicate, University of Kerala	2009-2014
	Chairman, BOS (Pass), University of Kerala	2014 onwards
	Member, BOS(UG), University of Calicut and Kannur	2009
Shri. M.D. Ratheesh Kumar	Member, Academic Council, University of Kerala	2009-2014
	Chairman, BOS (Pass), University of Kerala	2009-2014
Smt. R. K. Sreelatha	Member, BOS (Pass), University of Kerala	2009-till date
Smt.L.Neena	Member, BOS (UG), University of Kerala	2009

Department of Commerce

Dr.S. Satheesh chandran	Member, Faculty in Commerce, University of Kerala	2009
	Member, BOS (UG), University of Kannur	2009
Dr. S. Jayaraj Kumar	Member, BOS, University of Kerala	2012-2014

Department of Physical Education

Capt.(Dr.) S.S Biju	Member, BOS (UG), University of Kerala	2011-2014
	Member, BOS (UG), Calicut University	2011-2014

- The feedback collected from the students, parents and other stakeholders are appropriately analysed and presented before the Board of Studies, Faculty, Senate and the Syndicate, to be discussed and incorporated in the university curriculum.
- The participation of the faculty in national and international

conferences helps them to enhance and update their knowledge which they utilize for curriculum enrichment.

Table 1.6 List of programmes organised by the departments and presentation/ participation by faculty in workshops or programmes on curriculum development

Name of Faculty	Type of Course and Institution	Period of Course
Department of English		
Dr .M. Devakumar	Seminar on Higher Education at Mar Ivanios College, Thiruvananthapuram	27-08-2013
Dr. N. Sreekala	Workshop on English Language Teaching organised by the Board of Studies	16-11-2010 to 17-11-2010
Dr. Roshni C.		
Dr. N. Sreekala	National Workshop on Towards a Student- Centred Pedagogy in English Language Teaching	29-07-2010 to 31-07-2010
Dr. Roshni C.	International Workshop on Updating the English Classes Prospects and Challenges at Centre for Faculty Resource Development in English	02-02- 2011
	Orientation Programme on Regulations of CBCS System at University of Kerala	December 2009
Department of Malayalam		
Smt. Asa G.	Orientation Programme on CBCSS at Government Sanskrit College, Thiruvananthapuram	09-12-2009
Department of Hindi		
Dr.S. Omana	Workshop on Curriculum in connection with the Restructuring of Under Graduate Course in Hindi at University of Kerala	12-03-2009 to 18-03-2009
Department of History		
Dr. Lekha K. Nayar	MA History Syllabus Revision Workshop at Deapartment of History, University of Kerala	06-02-2014 to 08-02-2014
Dr. A.P. Greeshmalatha		
Dr. Praseetha N.C.	Restructuring BA History Syllabus (CBCSS) at Department of History, University of Kerala	13-03-2014 & 14-03-2014
Dr. G. Sreenivasan		
Dr. C.G.Usha	Workshop for the Syllabus Preparation as part of the Semesterisation of Degree courses	March 2009
Dr.G. Sreenivasan		
Dr. A. Shaji		
Dr. Lekha K. Nayar	Five day Workshop on Restructuring of Undergraduate Course in History at Board of Studies (Pass) in History, University of Kerala	Feb – Mar 2009
Dr. Greeshmalatha A.P.		
Dr. G. Sreenivasan		
Shri. R. Sasi		
Dr. A. Shaji		
Department of Political Science		

Dr. A. Sushamadevi	Workshop for the Principals of Kerala organized by UGC at ASC, University of Kerala	2012 & 2013
Smt. Soja Madhavan	Orientation Programme on Semesterisation conducted by the University of Kerala at Government Sanskrit College, Thiruvananthapuram	09-02-2009
Dr. P.S. Vijayanatharaj		
Dr. L. Thulaseedharan		
Shri. Sisubalan S.		

Department of Economics

Dr. Jameela V.A.	Orientation Programme on Semesterisation conducted by the University of Kerala at Government Sanskrit College, Thiruvananthapuram	09-2-2009
Raji Raveendran	Workshop on Restructuring the Syllabi of FDP in Economics under CBCSS at Kerala State Higher Education Council	26-03-2014 to 27-03-2014

Department of Psychology

Dr. J. S. Nishima	Five day Workshop on Restructuring of Undergraduate Course in Psychology at Board of Studies (Pass) in Psychology, University of Kerala	24-02-2009 to 25-02-2009
Dr. A S. Raakhee.		04-03-2009 to 06-03-2009
Dr. Aravind Thampi		
Dr. J. S. Nishima	Two day Workshop on Restructuring the Syllabi of FDP in Psychology under CBCSS by Kerala State Higher Education Council	28-04-2014 to 29-04-2014
Dr. A.S. Raakhee.		
Dr. Aravind Thampi		
Dr. Anjana R.		
Dr. Ajilal P.		
Dr. Ajilal P.	Higher Secondary Education Learning Module Preparation Workshop by Kerala State Open School	July 2014 onwards

Department of Sociology

Dr. Uthara Soman	Two Day Workshop on Curriculum Restructuring by Kerala State Higher Education Council	17-03-2014 to 18-03-2014
Smt. N.B Lekha.		
Smt. Aiswarya A.S.		

Department of Mathematics

Smt. Bijila B.R.	Two day Workshop on Restructuring of Courses in Mathematics under CBCSS by University of Kerala and Kerala State Higher Education Council	20-03-2014 to 21-03-2014
------------------	---	--------------------------

Department of Statistics

Smt. Anjana V.	Restructuring of Course in Statistics under CBCSS and Implementation of Prof. B. Hridaya Kumari Committee Report at University of Kerala	15-03-2014
----------------	--	------------

Department of Physics

Dr. Sreeletha S.	Workshop for Preparing the Syllabus for Physics for the High School Assistant Exam by Public	11-03-2014
------------------	--	------------

	Service Commission	
	Organized Syllabus Revision of FDP, under CBCSS by Kerala State Higher Education Council at the Department of Physics , University of Kerala	17-02-2009 to 21-02-2009
	One day Orientation Programme on the Regulations of CBCS System at Government Sanskrit College, Thiruvananthapuram	09-12-09
	One day Orientation Programme for Board of Studies Members at ASC, University of Kerala	07-10-2009
Dr. K. Kochunarayan	Syllabus Formation for FDP in Physics under CBCSS of University of Kerala at Kerala State Higher Education Council	17-02-2009 to 21-02-2009
Smt. P.S. Amaladevi	Workshop on Syllabus Revision of B.Sc. Physics at Mar Ivanios College, Thiruvananthapuram	27-03-2014 to 28-03-2014
Dr. Beena. D.	Syllabus Revision of M.Sc. Electronics of University of Kerala at Kerala State Higher Education Council	2013

Department of Chemistry

Dr. R. Revamma	Workshop on Restructuring of B. Sc. Programmes by Kerala State Higher Education Council	02-03-2009 to 06-03-2009
Dr. I.G. Shibi	In his capacity as the Chairman of the UG-BOS and Member, PG-BOS, University of Kerala, he managed the inclusion of Microscale Analytical Techniques in Chemistry UG programmes and Computer Aided Drug Design and Cheminformatics in UG and PG curricula for Chemistry in the University of Kerala. By virtue of his initiative, Green Chemistry has been made a part of the curriculum in the universities in the state. He conducted workshops on such emerging areas for the teachers of Chemistry of all colleges under the University of Kerala.	04-03-2014 to 19-03-2014
Dr. S. Suma	Two-Day Workshop of the Board of Studies in Chemistry (pass)	01-12-2009 to 02-12-2009
Dr. Reena Ravindran	Workshop on Restructuring of B.Sc. Programmes by Kerala State Higher Education Council	02-03-2009 to 06-03-2009
	Two-Day Workshop of the Board of Studies in Chemistry (Pass)	01-12-2009 to 02-12-2009
	Grading of B.Sc at University College, Thiruvananthapuram	16-06-2012

Department of Botany

Smt. Sathee Devi P.	Orientation Programme on Restructuring of UG Courses, University College, Thiruvananthapuram	16-01-2009 to 20-01-2009
Dr. S. Anilkumar		
Smt. S. Gadha	Orientation Programme on Semestrization of UG Courses, University of Kerala	2010-2011
Dr. S. Anilkumar		
Dr. Suma B.S.	Workshop on UG Syllabus Revision at Mar Ivanios College, Thiruvananthapuram	18-03-2014 to 19-03-2014
Dr. Devipriya V.	Seminar on Higher Education at Mar Ivanios College, Thiruvananthapuram	27-08-2013

Department of Zoology

Dr. V.C. Valsa	Five day Workshop on Restructuring B.Sc. Zoology Course at BOS, University of Kerala	24-02-2009 to 28-02-2009
Dr. Kiron Vasudevan		
Dr. Kiron Vasudevan	Orientation Programme for BOS members on CBCS System at University of Kerala	09-12-2009

Department of Geology

Shri. M.D. Ratheesh Kumar	Workshop on Restructuring of B.Sc. Geology by Higher Education Council & University of Kerala	16-02-2009 to 18-02-2009
Smt. R.K. Sreelatha		
Dr. K.L. Vivekanandan		24-02-2009 to 25-02-2009
Smt. L. Neena		

Department of Commerce

Dr. S. Jayarajkumar	Workshop on Designing Model Question papers for the B.Com. Degree Programme under the CBCSS by Kerala State Higher Education Council and the University of Kerala at Government Arts College Thiruvananthapuram	25-11-2009 to 30-11-2009
---------------------	---	--------------------------

Suggestions

The University Grants Commission and other academic bodies associated with formulating policies with regard to education and over-all curriculum development should actively participate in the organization of university, state and national level workshops in this regard. These bodies should also prepare national blue prints of discipline-wise curriculum which could be discussed and debated across the country. The feedback received through such discussions could be consolidated by the UGC and sent to the universities for further discussion and implementation. The UGC should make sure that eminent educationists, scholars, reputed public and private institutions working in this field like Tata Institute, Birla Institute, etc. are also associated with this exercise. This would ensure a national pattern for education and neutralize lopsided growth and localization of institutes of excellence in certain regions.

1.1.7 Does the institution develop curriculum for any of the courses offered (other than those under the purview of the affiliating university) by it? If 'yes', give details on the process ('Needs Assessment', design, development and planning) and the courses for which the curriculum has been developed.

- As an affiliated college, aided by the Government, the college can conduct only the courses and programmes sanctioned by the university. The syllabi for the programmes are framed by the university. However, the university curriculum leaves room for the college to add components for the development of additional skills, if needed.

- The college can develop a blue print for a particular course and submit it to the university and UGC for ratification. The powers of the college in this regard are circumscribed by the university and the UGC.
- We have found that our students who hail mostly from rural and backward areas are deficient in the skill of communication in English. In order to develop their skill in oral and written communication in English, the college conducts special Spoken English classes.
- We also conduct Computer Literacy Classes for our students, who, owing to their economic backwardness do not have access to computer training. We keep our computer lab open to all UG students, since Informatics is a compulsory component of the UG curricula under CBCSS.

1.1.8 How does institution analyze/ensure that the stated objectives of curriculum are achieved in the course of implementation?

- The college, through various bodies like the College Council, DLMC, Parent Teacher Association, Tutorial System, etc. ensures the implementation of the curriculum.
- At the beginning of all programmes, the college assesses the calibre of the students at the entry point by means of the Tutorial System. To trace the progress of each student we document their performance outcome periodically in their respective tutorial cards.
- We conduct regular internal assessment by means of question-answer sessions, written tests, discussions, examinations, assignments, projects, seminar presentations, contributions to co-curricular and extracurricular activities, off-campus community service, and by seeking parents and peers' opinions.
- The HODs periodically collect students' feedback regarding the components of the curriculum. The students are encouraged to either directly interact with the Principal or to drop their complaints and suggestions in the box kept at the Principal's office for the purpose. The Principal distributes the complaints and suggestions to the HODs concerned and hold discussions with the teachers.
- The college regularly conducts class PTA meetings where the parents air their complaints, suggestions and appreciation of the curriculum and its implementation. Each student, with the parent, can interact with the respective HOD, tutor and the teacher concerned, after the meeting. The departments discuss the findings and suggest necessary modifications and improvements. All these are documented and submitted to the Principal.
- The college regularly conducts assessment of the performance of students comparing it with that of the previous semesters.

- These assessments are helpful to modify or rectify the method of curriculum implementation to ensure that the objectives of the curriculum are achieved.

1.2 Academic Flexibility

1.2.1 Specifying the goals and objectives give details of the certificate/diploma/skill development courses etc., offered by the institution.

- As of now the college does not offer any course other than those offered by the university.
- The college has initiated Additional Skill Acquisition Programme (ASAP), Scholar Support Programme (SSP) and Walk With a Scholar (WWS) programmes so as to equip the students to face competitive examinations and improve their skills.
- The college conducts several enrichment programmes, soft skill development programmes and value-oriented courses for the benefit of the students.

1.2.2 Does the institution offer programmes that facilitate twinning/dual degree? If 'yes', give details.

The university does not permit any twinning programmes or dual degree programmes.

1.2.3 Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability. Issues may cover the following and beyond:

- ❖ Range of Core/Elective options offered by the university and those opted by college
- ❖ Choice Based Credit and Semester System and range of subject options
- ❖ Courses offered in modular form
- ❖ Credit transfer and accumulation facility
- ❖ Lateral and vertical mobility within and across programmes and courses
- ❖ Enrichment courses

The institution has provided the students sufficient choices with reference to academic flexibility. There are core courses, elective courses, foundation courses, complementary courses and open courses in the CBCSS and unlike the conventional system, academic flexibility is ensured. The students opting for the respective main courses offered by the college can also select complementary combination courses, on which they can further pursue their higher studies. The student can also select any one of the open courses offered by the college in their fifth semester of study. Elective course is

offered in the sixth semester of study. These elective courses include frontier areas of the respective subjects and hence students can opt specialized areas for higher studies. The Table below furnishes the various programmes offered by the college along with the corresponding core, complementary, open and elective courses.

Table 1.7 List of UG and PG courses offered by the college with the corresponding complementary courses

Programme	Core Course	Complementary Course
UG Courses		
BA English	English -3years (6 Semesters)	1. Psychology 2. History
BA History	History-3 years (6 Semesters)	1. Political Science 2. Economics
B.A. Political Science	Political Science-3 Years (6 Semesters)	1. Economics 2. Sociology
B.A. Economics	Economics-3years (6 Semesters)	1. Political Science 2. History
B.Sc. Psychology	Psychology -3 years (6 Semesters)	1. Human Physiology 2. Statistics
B.A. Sociology	Sociology -3 years (6 Semesters)	1. Political Science 2. History
B.Sc. Mathematics	Mathematics -3 years (6 Semesters)	1. Statistics 2. Physics
B.Sc. Physics	Physics -3 years (6 Semesters)	1. Chemistry 2. Mathematics
B.Sc. Chemistry	Chemistry -3 years (6 Semesters)	1. Mathematics 2. Physics
B.Sc. Botany	Botany -3 years (6 Semesters)	1. Chemistry 2. Zoology
B.Sc. Zoology	Zoology -3 years (6 Semesters)	1. Botany 2. Chemistry
B.Sc. Geology	Geology -3 years (6 Semesters)	1. Physics/ Chemistry 2. Mathematics
B.Com.	Commerce -3 years (6 Semesters)	
PG Courses		
M.A. English	English - 2 years (4 Semesters)	Elective courses – Women's Writing, Writing for Media, American Literature, Film Studies
M.A. History	History - 2 years (4 Semesters)	Elective courses - Ancient Greece and Rome, History of Medieval Europe, Modern Revolutions - English, American

		and French, Twentieth Century Revolutions
M.Sc. Chemistry	Chemistry - 2 years (4 Semesters)	Elective course - Advanced Inorganic Chemistry

- ❖ For the benefit of the student community, Orientation on Open Courses is conducted at the beginning of the fourth semester degree classes, so that students can opt for suitable courses. Tutors are entrusted with the task of guiding the students in selecting Open Courses. The following Table gives the details of the Open Courses offered by the college as part of the CBCS system:

Table 1.8 List of Open courses

Sl.No	Department	Title of Course	Course Code
1.	English	Communicative Applications in English	EN 1551.1
2.	History	Empowerment of Women in Modern World	HY 1551.1
3.	Politics	Human Rights in India	PS 1551.2
4.	Economics	Human Resources Management	EC 1551
5.	Psychology	Yoga and Stress Management	PG 1551.4
6.	Sociology	Life Skill Education	SG 1551.1
7.	Mathematics	Business Mathematics	MM 1551.3
8.	Physics	Astronomy and Astrophysics	PY 1551.2
9.	Chemistry	Fundamentals of Chemistry and its Application to Everyday Life	CH 1551.2
10.	Botany	Mushroom Cultivation and Marketing	BO 1551.2
11.	Zoology	Public Health and Hygiene	ZO 1551.1
12.	Geology	Disaster Management	GL 1551.2
13.	Commerce	Entrepreneurship Development and Project Management	CO 1551.3
14.	Physical Education	Health and Fitness Education	PE 1551

1.2.4 Does the institution offer self-financed programmes? If 'yes', list them and indicate how they differ from other programmes, with reference to admission, curriculum, fee structure, teacher qualification, salary etc.

The college does not offer self-financed programmes. However within

the campus there is a self-financed college under the same management which offers such courses.

1.2.5 Does the college provide additional skill oriented programmes, relevant to regional and global employment markets? If ‘yes’ provide details of such programme and the beneficiaries.

The college offers short term training for the development of skills relevant to regional and global employment markets. The beneficiaries of these programmes are mainly our students and local public.

Table 1.9 Additional Skill Development Training

Department	Details
English	Creative Writing, Online Writing, Camera Training, Film Appreciation, Documentary Making and Communicative/Spoken English Classes
History	Computer Courses and Spoken English classes which are relevant to the regional and global employment markets
Psychology	Career Development Programmes, Career Guidance Programmes, Yoga Training classes on Life Skills
Chemistry	Training in Computer Aided Drug Design, training in Calibration of Apparatus, training to handle sophisticated instruments like IR-Spectrophotometer etc.
Botany	Mushroom Cultivation Classes to housewives from rural areas as part of our extension programme

1.2.6 Does the University provide for the flexibility of combining the conventional face-to-face and Distance Mode of Education for students to choose the courses/combination of their choice? If ‘yes’, how does the institution take advantage of such provisions for the benefit of students?

The affiliating university does not provide the flexibility of combining the conventional face-to-face and distance mode of education for students to choose courses/combinations of their choice.

1.3 Curriculum Enrichment

1.3.1 Describe the efforts made by the institution to supplement the University’s Curriculum to ensure that the academic programmes and institution’s goals and objectives are integrated?

To meet the requirements of the students, the college organizes remedial classes for the weak students, women empowerment programmes, invited talks, personality development programmes, value education programmes, etc. Several clubs, forums, cells and centres are formed for the comprehensive personality development of the students. Besides, motivational classes are conducted to develop social orientation in the students. The college deputed selected teachers to represent the institution in the university forums for new curriculum design (CBCSS). On their

suggestions and interventions, several aspects which are in concurrence with the vision, mission, and objectives of our institution are included in the curriculum. The university syllabus has included the philosophy and praxis of Sree Narayana Guru and other social reformers in the syllabus of the social sciences. The college IQAC conducts periodic moral, ethical and spiritual classes.

1.3.2 What are the efforts made by the institution to enrich and organize the curriculum to enhance the experiences of the students so as to cope with the needs of the dynamic employment market?

Efforts are made by the institution to equip students for the employment market through the undermentioned programmes:

- Introduction of skill oriented modules and courses in the curriculum
- Arranging debates, invited talks, discussions, external surveys, case studies, etc.
- Ensuring student involvement in social service through various club activities along with NCC and NSS
- The Career Guidance and Counselling Centre of the college arranges various recruitment camps and awareness programmes
- Facilitation of interaction of our students with well-placed alumni for their familiarization with employment opportunities, employment nature, work culture, etc.
- The Career Guidance and Counselling Centre informs the students about employment opportunities and prospective employment avenues and provides suggestions and tips to achieve such placements
- The conduct of training sessions for the outgoing students on interviews, group discussions and competitive examinations
- Providing information about the latest career relevant journals, websites, and blogs
- Proper guidance for project works and seminars in the final semesters helps the students to instil interest in the students to pursue research activities.

1.3.3 Enumerate the efforts made by the institution to integrate the cross cutting issues such as Gender, Climate Change, Environmental Education, Human Rights, ICT etc., into the curriculum?

The college gives prime importance in creating awareness on gender issues, protection of environment, Human Rights protection, ICT, etc. In this respect the following steps are taken:

- The Women's Cell functioning in the college conducts seminars, symposia, invited talks, etc. on gender issues.
- The Department of History offers an open course on Women Empowerment in the Modern World. Students from various other disciplines have chosen this course.
- The alumni of the Department of Sociology has arranged a poster

exhibition on the atrocities faced by women working in media and ICT sector, in connection with the UGC sponsored National Seminar conducted by the Department on 16,17 October 2014.

- A talk on the topic Revitalising Woman Power by Smt. Lida Jacob I.A.S was arranged in the college in connection with Spectrum, 2013.
- The Department of Sociology has conducted an exhibition on Gender Violence in 2012.
- The college conducts Green Audit of the campus and has published books on the Campus Biodiversity.
- The National Service Scheme Units of the college planted trees as part of the Social Forestry programme.
- The PTA and the Department of Botany set up Star Tree Grove in which the representatives of the management, the faculty and the students planted trees corresponding to their stars as per the Indian astrology, in 2014.
- The Department of History conducted a National Seminar on Understanding the Environmental History of India: Re-looking Environment Protection in the Context of Global Warming and Sustainable Development on 20,21 March 2012.
- A Human Rights Forum is functioning in the college and under its initiative several programmes have been organized.
- The Department of History organized a training programme on Human Rights sponsored by the National Human Rights Commission on 4, October 2012.
- The staff of the college are given ICT training.
- Needy students are given advanced computer training.

1.3.4 What are the various value-added courses/enrichment programmes offered to ensure holistic development of students?

The college offers several awareness programmes on the following:

- Moral and Ethical Values
- Employability and Life Skills
- Better Career Options
- Community Orientation

Table 1.10 Value-added courses/ enrichment programmes

1. Moral and Ethical Values	
Department	Details
English	Anti-drug campaigns, poster exhibition, and awareness classes on ethical uprightness
Malayalam	Seminars on traditional, moral, and ethical values
History	Classes on the ideals of the renowned social reformers of modern Kerala
Psychology	Awareness programmes and invited lectures on adolescent issues
Sociology	Invited talks to promote ethical values among the students

Zoology	Class lectures emphasizing the importance of moral and ethical values
Commerce	Class lectures and talks on moral and ethical values to the students
2. Employability and Life Skills	
English	Classes on creative writing and photography skills, NET/SET coaching etc.
Psychology	Training on life skills, counseling and career guidance
Sociology	Classes on life skill development
Chemistry	Coaching for CSIR/UGC-NET and SET
3. Better Career Options	
English	Talks and displays on career orientation
Malayalam	Career guidance programme
History	Coaching classes for NET, spoken English and computer classes
Psychology	Career guidance, counseling and confidence boosting programmes
Commerce	Talks on career options
4. Community Orientation	
English	Socially and economically backward students are identified and given special attention to better their all-round performance.
NSS	Programmes offering various services to the community, financial and material aid to the needy, cleaning programmes, building houses, gardening, etc.
Psychology	Community Orientation programmes, students' counseling and psychological assessment programmes, IQ assessment of the students of the neighboring L.P. School, visit to an old-age home and providing lunch for the inmates, visit to the State Institute of Mentally Challenged, Pangappara, Thiruvananthapuram, and distribution of food packets and presentation of cultural programmes for the children etc.
Sociology	Observance of the International Day for the Elderly; distribution of clothes to the senior citizens; conduct of socio-economic surveys among the backward communities; visits to old age homes, orphanages, and tribal areas; and distribution of study materials to the orphans and financial assistance to the needy.
Zoology	Talk on Life Style Diseases and their Preventive Measures

1.3.5 Citing a few examples and enumerate on the extent of use of the feedback from stakeholders in enriching the curriculum?

The feedback from the stakeholders are appropriately assessed and presented in the Board of Studies, Faculty, Senate and the Syndicate to be discussed and incorporated in the university curriculum.

The suggestion from students, teachers and parents to modify the examination system from the grading to grade-point system and the re-instating of ranking in the university examinations are two instances of curriculum change based on the stakeholder feedback.

The CBCSS syllabus structure for science subjects has been revamped to incorporate subject oriented teaching from the first semester itself following the demand of teachers and students. Another instance is the change of the paper, 'Humanities' from the first semester to the third semester

of BA programme, following the demand of the students and teachers.

1.3.6 How does the institution monitor and evaluate the quality of its enrichment programmes?

There is a regular system functioning in the college for assessing and monitoring the quality enrichment programme. This system includes:

- The institution gathers information from the stakeholders through feedback
- The College Council and the IQAC constantly review the quality and institutionalisation of its enrichment programmes and assess the reflection of these programmes on the academic and co-curricular performance of the students.
- The Tutorial System constantly evaluates students' responses to the enrichment programmes
- The quantum of student involvement in the organization, participation and performance in various activities are yardsticks in assessing the quality of the enrichment programmes
- The feedback on the outcome of the enrichment programmes is obtained from the evaluation by peer groups, parents and teachers

1.4 Feedback System

1.4.1 What are the contributions of the institution in the design and development of the curriculum prepared by the University?

The teachers of the college are actively involved in analyzing the respective curriculum prepared by the university. They constantly make efforts to improve and innovate on the existing curriculum. As members of the various Boards of Studies, the Academic Council, the Faculty, the Senate and the Syndicate, our teachers impress upon their respective bodies the necessity to incorporate suggestions made by them.

Members of our faculty have actively participated in the curriculum design process for CBCSS and the curriculum modification process for all programmes. Most of their proposals are accepted by the respective academic bodies.

The institution has hosted university programmes for curriculum development.

1.4.2 Is there a formal mechanism to obtain feedback from students and stakeholders on Curriculum? If 'yes', how is it communicated to the University and made use internally for curriculum enrichment and introducing changes/new programmes?

The college has a well-organized feedback system through which it draws opinions and suggestions of the stakeholders, mainly the students and parents. The feedback is analysed in detail by the IQAC, Tutorial Committee and the respective departments. The findings are made the base for necessary modifications of curriculum transaction methods. The suggestions and

opinions raised by our representatives in the different academic forums of the university evolve from such feedback. On the basis of the feedback, the college formulates plans for co-curricular and extra-curricular programmes.

1.4.3 How many new programmes/courses were introduced by the institution during the last four years? What was the rationale for introducing new courses/programmes?

A post graduate course in English was introduced in the college in 2013. The tradition of two decades of BA English programme with excellent results of first classes and university ranks elicited constant demand from our students for the PG course. The introduction of this PG course is a great boon to students hailing from weaker sections of the society. The students from remote and rural spaces look up to our institution for higher education opportunity and career advancement.

1.4.4 Any other relevant information regarding curricular aspects which the college would like to include.

The Post Graduate Departments of History and Chemistry were elevated to the status of Research Centres under the University of Kerala in the year 2010. The college brings out a biannual inter-disciplinary research journal, *Logos* with ISSN 2349-3836. The Department of History has been publishing an Annual Research Journal *Historia* from 2007 onwards with ISSN 2277-6400. The Department of Chemistry is a FIST supported department. Among the 66 permanent teachers in the college, 42 are Ph.D. holders. The Management appoints teachers on their merit to strengthen the curricular aspects of the college. The college provides adequate library and laboratory facilities. The management adopts a positive attitude for career advancement of the faculty as well as the student community of the college.

Majority of the students joining the college for academic succour and progress in life hail from backward and extremely impoverished social categories, Their academic calibre at the entry point is progressively improved at the exit point of education from Sree Narayana College, Chempazhanthi. This vindicates the lofty purpose for which this institution stands in the name of Sree Narayana Guru.

Criterion II

TEACHING-LEARNING AND EVALUATION

2.1. Student Enrolment and Profile

2.1.1. How does the college ensure publicity and transparency in the admission process?

- ❖ The University of Kerala conducts admissions to open merit, sports, SC/ST and Persons With Disabilities quota seats of all programmes in the affiliated colleges through a centralized online system. But admissions to the seats ear-marked for community and management quotas are done by the college. The application and admission processes are carried out in accordance with the university regulations and government norms. The university and the college notify the dates of application, allotments and admissions through the websites and media.
- ❖ After the processing of the applications, ranklists are published online and on the notice board of the college. Complaints, if any, can be raised by the candidates. The institution checks the complaints and takes remedial measures if needed.
- ❖ An Admission Committee with the Principal as the Chairman and a senior faculty member as the convener with all HODs as members, is constituted for the smooth conduct of the admission procedure.
- ❖ Reservation criteria are fulfilled in accordance with the stipulations made by the Government of Kerala. Community and Management admissions are strictly conducted on the basis of merit.
- ❖ The Admission Committee has a subcommittee which functions as the Admission Helpdesk, providing information and clarifying doubts on a 24hr. basis.

2.1.2 Explain in detail the criteria adopted and process of admission to various programmes of the Institution (Ex. (i) merit (ii) common admission test conducted by state agencies and national agencies (iii) combination of merit and entrance test or merit, entrance test and interview (iv) any other) to various programmes of the Institution.

Criteria adopted for UG admissions

- ❖ The admissions are made strictly on the basis of merit and the single window system of the university.
- ❖ The open merit quota comprises 40% of the total seats, and the remaining seats are equally distributed among SC/ST, community and management quotas (20% each).
- ❖ One seat from the open merit quota for each programme is reserved for sports students.
- ❖ A pass in Higher Secondary examination or equivalent is the essential criterion of eligibility to the UG course.
- ❖ A concession of 5% is granted to SC/ST/OBC candidates.
- ❖ Weightage of marks is given for participation in NSS and NCC activities, achievements at the National or State level, and to the children of ex-service personnel.
- ❖ Admission to the seats in community quota is done purely on merit basis. In the case of the management quota, economic and social backwardness of the applicants is also considered.

Criteria adopted for PG admissions

The essential requisite for admission to the PG courses is a score of above 55% marks for M.Sc. programmes and 45% for other programmes. The calculation of the index marks varies from subject to subject as per the decision of the university. The process of admission for PG course is similar to that of UG courses.

Criteria adopted for admission to PhD programme

The University of Kerala regularly invites applications for the Ph.D courses in various subjects biannually in June and December. A score of above 55% at the PG level along with a pass in the Ph.D qualifying examination conducted by the university or the National Eligibility Test (NET) conducted by the UGC/CSIR/GATE is the eligibility criterion. The candidates who have secured M.Phil degree are exempted from appearing for the qualifying examination, and hence can apply directly for Ph.D course. The detailed notification for PhD registration is available in the research portal of the University. The eligible candidates can apply online for PhD programme. The applicants have to appear before the Doctoral Committee in the corresponding university departments for interview. The selected candidates are admitted to each department.

Admission process

- ❖ The Admission Committee is constituted every year by the College Council and all the Heads of Departments monitor the admission process.
- ❖ The college provides information about the process through the Admission Help Desk.
- ❖ The applications are processed and a rank list is prepared, based on merit. The allotment to general, SC/ST, community, management,

sports and differently abled quotas as stipulated by the Government of Kerala are strictly verified and finalized.

- ❖ The ranklist is displayed on the notice board and a copy of it is sent to the university. Five times the number of students needed, are intimated via interview cards sent by registered post.
- ❖ Admission is done as per the schedule published by the university.
- ❖ Admission process involves personal interview of the student by the Principal and verification of all necessary documents.
- ❖ In case of vacant seats, spot admission as per the direction of the university is conducted.

2.1.3 Give the minimum and maximum percentage of marks for admission at entry level for each of the programmes offered by the college and provide a comparison with other colleges of the affiliating university within the city/district

The Table below shows the minimum and maximum percentage of scores of those who were admitted to each course during the last three years.

Table 2.1 Minimum and maximum scores at entry level

Course/Subject	2014-2015		2013-2014		2012-2013	
	Min %	Max %	Min %	Max %	Min %	Max %
UG Courses						
English	64	88	58	91	53	86
History	49	82	52	84	51	83
Politics	56	90	48	81	52	86
Economics	50	89	50	89	55	87
Psychology	62	81	60	95	46	86
Sociology	59	85	55	86	53	85
Mathematics	58	90	58	91	53	92
Physics	57	92	60	95	55	90
Chemistry	59	93	55	91	55	92
Botany	61	87	54	87	54	83
Zoology	61	88	56	87	54	90
Geology	67	93	59	93	52	88
Commerce	59	88	53	87	49	92
PG Courses						
English	54	89	50	86	--	--
History	52	76	52	80	46	68
Chemistry	62	89	62	86	52	88

- ❖ The table below shows the comparison of minimum and maximum percentage of marks for admission at entry level with other nearby college.

Table 2.2 Comparison with nearby colleges regarding the marks at entry level in admissions in June/July 2014

Programme	Sree Narayana College, Chempazhanthi	Nearby Colleges
-----------	--------------------------------------	-----------------

	Min. %	Max. %	Min. %	Max. %
UG Courses				
English	64	88	54.4	83
History	49	82	53	90
Political Science	56	90	55	89
Economics	50	89	56	78.5
Psychology	62	81	60	82
Sociology	59	85	56	84
Mathematics	58	90	55	92
Physics	57	92	46	93
Chemistry	59	93	56	92
Botany	61	87	60	78
Zoology	61	88	63	83
Geology	67	93	60	95.5
Commerce	59	88	60	93
PG Courses				
English	54	89	51.5	88
History	52	76	51.5	72.8
Chemistry	62	89	56	83

2.1.4 Is there a mechanism in the institution to review the admission process and student profiles annually? If 'yes' what is the outcome of such an effort and how has it contributed to the improvement of the process?

There are separate committees for UG and PG admissions to review and discuss the admission process of the previous years before the time of admission.

- On the completion of the admissions, the committee constituted for evaluating the admission process assesses the calibre of the students in order to plan strategies of curriculum transaction.
- The demand ratio for each course is obtained from the university as the single window system is followed for admission to the general merit seats, and the final demand ratio is calculated. The information helps the college assess the public appeal of the college.
- The Committee further evaluates the demand ratio for the various courses, to identify new courses to be applied for. For example, this year we have applied for M Com (Finance) and BA Communicative English courses based on the recommendations of the committee. We applied for BA Malayalam and MA Sociology last year, and these courses have already been sanctioned by the university.

2.1.5 Reflecting on the strategies adopted to increase/improve access for following categories of students, enumerate on how the admission policy of the institution and its student profiles demonstrate/reflect the National commitment to diversity and inclusion (SC/ST, OBC, Women, Differently abled, Economically weaker sections,

Minority community, Any other)

Sree Narayana College, Chempazhanthy strictly follows the rules and regulations laid down by the University of Kerala and the State Government, regarding the allocation of seats to various categories.

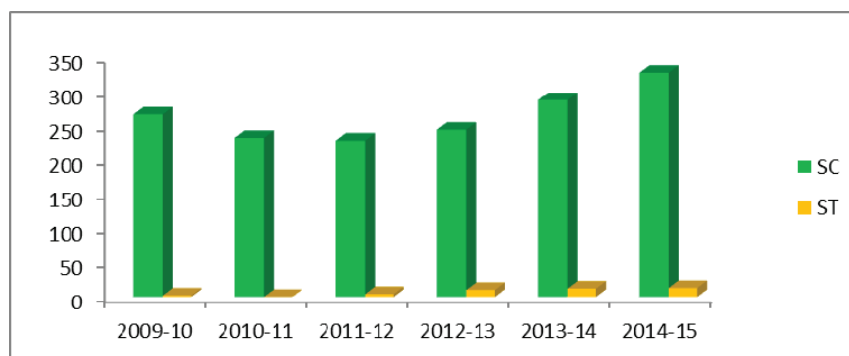
- Majority of our students belong to the socially and economically backward strata of the society. They are given help by the class tutors and the Student Scholarship Cell of the college, to avail the various scholarships and fee concessions granted by the government and other bodies.
- Twenty percent of the sanctioned seats are reserved for students from SC/ST category. One percent of the seats is reserved for differently abled students and one seat in each programme is kept as sports quota, as per the stipulations of the university. The Admission Committee ensures and verifies that these criteria are adhered to.
- Community and management quota together constitute about 40 % of the seats. Majority of the students belong to the OBC category.
- Although there is no reservation for women, girl students outnumber the boys.

Table 2.3 The number of students belonging to different socio-economic categories

Categories	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
SC	267	233	229	245	288	328
ST	02	00	04	10	12	13
OBC	1147	1081	1049	998	974	988
Women	1394	1232	1204	1128	1128	1222
PWD*	0	00	03	04	04	12
SEBC	11	09	11	11	11	11
Minority	183	203	189	175	136	138

*Persons With Disabilities

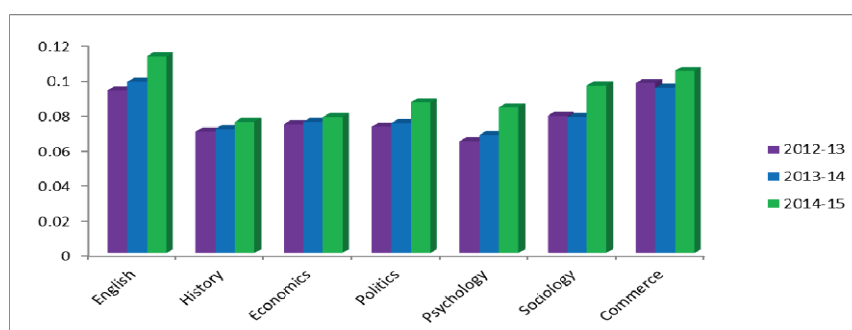
Text Fig.2.1 Increase in the number of SC and ST students over the last four years



2.1.6 Provide the following details for various programmes offered by the institution during the last four years and comment on the trends. i.e. reasons for increase / decrease and actions initiated for improvement.

- The institution attracts students from remote places like Kallara, Chirayinkeezhu, Neyyattinkara, Nedumangad, Kovalam, Vembayam and Palode.
- The acclaim that our college enjoys as an institution which is determined and fully committed to the all-round development of the students, bringing them up as socially committed and well-cultured useful citizens beyond academic excellence is evident from the fact that a good deal of our students hail from faraway places ignoring highly rated institutions in their proximity.

Text Fig.2.2a: Demand Ratio for the various UG programmes



Text Fig.2.2b: Demand Ratio for the various UG programmes

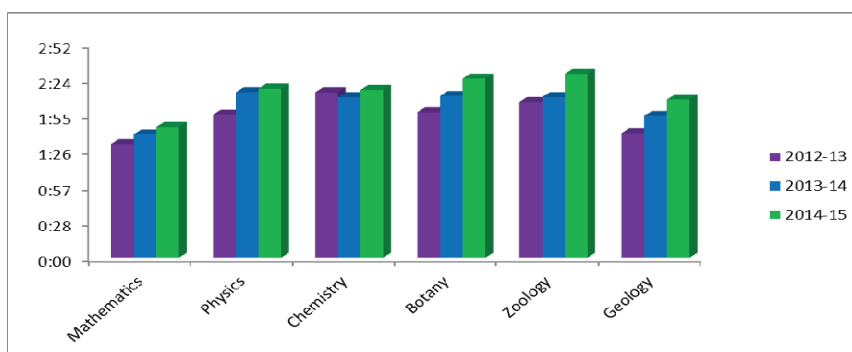


Table 2.4 Demand Ratio for various programmes offered

Programme	No. of Applications			No. of Students Admitted			Demand Ratio		
	2012-13	2013-14	2014-15	2012-13	2013-14	2014-15	2012-13	2013-14	2014-15
UG Course- Humanities									
English	3541	4041	5681	48	50	56	1:74	1:81	1:102
History	2908	2855	3491	72	69	73	1:40	1:42	1:48
Economics	3108	3167	3799	68	66	73	1:46	1:48	1:52
Politics	2376	2367	3376	54	51	53	1:44	1:47	1:64

Psychology	1265	1278	2205	40	35	37	1:32	1:37	1:60
Sociology	2124	2318	3488	40	45	45	1:53	1:52	1:78
UG Courses – Science									
Mathematic.	1403	1540	2118	44	39	46	1:32	1:40	1:46
Physics	2080	2659	2842	37	36	37	1:56	1:74	1:77
Chemistry	2521	2577	2892	34	37	38	1:74	1:70	1:76
Botany	2247	2549	3213	39	36	38	1:58	1:71	1:85
Zoology	2238	2659	3280	34	38	37	1:66	1:70	1:89
Geology	1069	1473	2054	26	27	30	1:41	1:55	1:68
UG Course – B.Com									
Commerce	3209	3081	3770	40	41	42	1:80	1:76	1:90
PG Courses									
English	--	--	396	--	--	20	--	--	1:20
History	444	456	331	12	15	20	1:37	1:31	1:17
Chemistry	635	734	585	13	13	13	1:49	1:57	1:45

2.2 Catering to Student Diversity

2.2.1 How does the institution cater to the needs of differently-abled students and ensure adherence to government policies in this regard?

The stipulations of the government are strictly abided to, during the admission of differently abled students, and special attention is given to them as regards their educational needs and physical comfort. These include reservation in admission, ramps, wheel chairs, convenient classroom arrangements and time-table changes, distribution of library books in the classroom, extra care in laboratory classes, training to come up from disabilities, extra time during examinations, scribe facility, attendance condonation, concessions in punctuality etc. Counseling is given by the Equal Opportunity Cell which gives special attention to them and encourages them to participate in all activities of the college. The fellow students and staff also offer them support and motivation, and there has so far been no instance of any sort of insensitivity to such students in the campus.

2.2.2 Does the institution assess the students' needs in terms of knowledge and skills before the commencement of the programme? If 'yes', give details on the process.

An Orientation programme "Know Your College" is conducted to make the students aware of the various programmes provided by the college. This is followed by a meeting between the students and the faculty of the Department including the tutor, in the presence of the parents. These programmes create awareness among the students regarding the CBCSS system, curriculum framework, the mode of evaluation, attendance requirements, rules and regulations of the college, code of conduct, maintenance of general discipline, various clubs and other forums functioning in the college etc.

- In the introductory sessions, students are made to give in writing, a defaulted account of their personal profile, their experiences in the

college and their requirements. This is studied by the tutor and remedial measures are taken.

- “Fresher’s Day’ is an occasion where the students reveal their talents, and get rid of their inhibitions. The promising talents start getting noticed from this point onwards.

2.2.3 What are the strategies adopted by the institution to bridge the knowledge gap of the enrolled students (Bridge/Remedial/ Add-on/Enrichment Courses, etc.) to enable them to cope with the programme of their choice?

- The faculty takes special care to revise the topics at the Higher Secondary level in the initial days to bridge knowledge gap between the heterogeneous group of students who have come from different institutions.
- The class tutors conduct regular meetings with their wards, in which the academic matters and difficulties faced by students are discussed in detail. Weak students are given remedial classes in the corresponding subjects.
- The class tutors also discuss the personal and social problems of their wards maintaining confidentiality, and give advice and necessary support as the case may be, sometimes contacting the parents/family, if needed.
- Advanced learners are encouraged by granting opportunities for making presentations in class and college level seminars. The advanced learners also help in clarifying the doubts of their weak classmates, as a part of peer teaching which forms the first level of the remedial coaching programme.
- The Scholar Support Programme begun as a part of the New Initiatives in Higher Education initiated by the Department of Higher Education, Government of Kerala offers remedial classes for weak students.
- Spoken English classes are given to students in order to improve their communicative skill.

2.2.4 How does the college sensitize its staff and students on issues such as gender, inclusion, environment etc.?

The college being committed to the holistic development of the students, has focused on sensitization of gender, inclusion and environmental issues through several programmes.

Gender sensitization

- The college provides co-education. But above 70% of the students and 67% of the faculty are female.
- Our college has a Women’s Studies Cell which ensures that adequate facilities are provided to girl students in the campus and conducts several programmes for gender sensitization every year in collaboration with various institutions.

Table 2.5 Gender sensitization programmes conducted

Sl. No.	Department/Club and Programme	Date
Women's Study Cell		
1	Invited lecture on Women and Career – My Life, My Career, along with a Workshop on Journalism and Journalistic Writing in collaboration with Literary Club . Media persons Smt. S.K. Mini and Smt. Sreeja were the guests	2014
2	Along with Literary Club , celebrated International Women's Day with a one-day Women's Writing Workshop with Dr. J. Devika and Sweetha Balakrishnan as guests, followed by a Reading Session	10-03-2014
3	Seven day Karate class of Shenshasi S. Sivakumar (National Chief JKSF, CRPF Coach)	19-12-2013 to 26-12-2013
4	Self-defence Workshop – Karate classes are conducted for girl students by Master Sivakumar	27-10-2013
5	Focus on Women and Activism and slogan 'Women for Women'	08-03-2013
6	Quiz on Women and Excellence and poster exhibition as celebration of International Women's Day	08-03-2013
7	Class campaign and poster exhibition on Domestic Violence	13-02-2013
8	Along with NSS and Sakshi invited the organizers of One Billion Rising Programme to the college to spread awareness about gender issues among the students – resource persons were Soniya George, Convener of Streevedi and Sreevidya, Motivational Speaker.	11-02-2013
9	Invited lecture on Women's Rights –Legal Awareness by Ms.Philomena Cedric, Member, Juvenile Justice Board	21-11-2012
10	Celebrated International Women's Day by conducting poster exhibition, essay competition on Rural Women-End Hunger and Poverty and elocution competition on Women Empowerment	08-03-2012
11	Programme to create awareness about personality development, career development and psychological problems of women sponsored by Women Development Corporation.	19-08-2009 to 21-08-2009
KELSA (Kerala Legal Service Authority)		
12	Conducts Legal Awareness classes and issues booklets like <i>Lessons of Law</i>	Every year
NSS Unit		
13	Asha .G (I BSc Zoology), NSS volunteer, won first Prize in Painting Competition conducted by AIDS Control Society and Red Ribbon Club at NSS Women's College, Thiruvanthapuram	08-03-2013
14	Kala Jyothi Programme of Kerala State Women's Commission	21-11-2011
Anti-Ragging Cell & NSS		
14	Invited lecture on Cyber Crimes delivered by Sri. Vinayakumaran Nair, DYSP, High-Tech Cell, Kerala Police	13-03-2013
Debate Club		
15	Debate on Safety of Women	24-01-2014

Department of History

- | | | |
|----|--|------------|
| 16 | Workshop on Human Rights Violations with Special Reference to Women, sponsored by the National Human Rights Commission | 04-10-2012 |
|----|--|------------|

Department of Psychology

- | | | |
|----|---|------------|
| 17 | Assertiveness Training for girl students by Smt. Tinsy Ramakrishnan, Psychologist & Research Scholar in Psychology, University of Kerala | 08-02-2013 |
| 18 | Health Awareness Programme for girl students with Dr.S. Thankom (General Medicine) and Dr.Mini Arunkumar (Gynaecology), Anadiyil Hospital, Thiruvananthapuram as resource persons | 14-03-2012 |
| 19 | Invited lecture on Life Skills for girl students by Dr.Mridula B. Nair, HOD of Psychology, MG College, Thiruvananthapuram | 14-03-2010 |

Department of Sociology

- | | | |
|----|---|--------------------------|
| 20 | Alumni Association of the department organized a National Seminar on Women, Media and ICT and Threats Faced by Women in Media and ICT in collaboration with Kerala Women's Commission inaugurated by Smt. Beena Paul Venugopal, Artistic Director, International Film Festival of Kerala | 16-10-2014 to 17-10-2014 |
| 21 | Invited lecture by Sreelekha IPS on Potentialities of Women | 17-10-2014 |
| 22 | Invited lecture on Revitalising Women Power by Smt. Lida Jacob I.A.S | 25-03-2013 |
| 23 | Exhibition on Gender Issues inaugurated by Justice P. Sreedevi on International Women's Day | 08-03-2011 |

Inclusion

- The admission process conducted as per the guidelines of University of Kerala and the regulations of the Government of Kerala ensures adequate inclusion of students belonging to socially and economically backward sections of the society as envisaged by our Guiding Light, Sree Narayana Guru who advocated for social equality and upliftment of the downtrodden.
- In the academic arena, the students are introduced to the various co-curricular bodies like NSS, NCC, Literary Club, Nature Club, Human Rights Forum, Sree Narayana Study Centre, Planning Board etc. by the Principal and Faculty in the Orientation programme "Know Your College" conducted for the first year UG and PG students
- The motivated students are included as members of various clubs under the CBCS system, as per their interest.

Environment

- Campus Cleaning programmes are organized annually by NSS and various departments, to sensitize the students on their responsibility to ensure a healthy environment for the sustenance of humanity.
- Green Survey has been conducted by the college and a book entitled Campus Flora of Sree Narayana College Chempazhanthi,

- with photographic illustrations and descriptions of the flora is being prepared.
- Medicinal Garden and Green House harbour several plants of economic/medicinal importance in addition to the rich campus plant biodiversity
 - Faculty members are resource persons who take classes on Green Chemistry.
 - Various national and International seminars on environmental issues have been organized by the Departments of Botany, Zoology, Physics, Chemistry, Sociology and Geology.
 - Observance of environmentally important days like World Environment Day, World Population Day, etc.

Table 2.6 Programmes conducted on environmental issues

Sl. No	Department/Club and Programme	Date
Nature Club & NSS Units		
1	Star-Tree Grove established in the campus, along with poster exhibition and classes on star trees by student groups from all departments—programme initiated and funded by PTA	31-07-2014
2	Neem Plantation Programme by planting 50 Neem saplings in the campus in collaboration with Neem Green Kerala Charitable Organization	19-06-2014
3	Observation of World Environment Day by class campaigns and planting of fruit and medicinal tree saplings in the campus	05-06-2014
4	Inauguration of 'Nammude Maram Programme' by the Principal Dr.M.Devakumar. 100 of medicinal saplings planted in the campus & started Green Campus Programme	22-08-2013
5	World Environmental Day observation-planted saplings in the campus	05-06-2013
Science Club		
6	Celebrated National Science Day with a Science Exhibition on Environment and other issues	28-02-2014
7	Science Exhibition as a part of National Science Day celebration (NSD 2010), sponsored by Kerala State Council for Science, Technology and Environment and the Department of Science and Technology, Government of India	24-02-2010
8	Science Exhibition conducted in the college	22-02-2010
Media Club		
9	Photo Exhibition on Nature	06-01-2012
Planning Forum		
10	Conducted a discussion on Environmental Pollution	24-01-2012
Department of History		
11	National seminar funded by UGC on Understanding the Environmental Protection in the Context of Global Warming and Climate Change	20-03-2012 to 21-03-2012
Department of Chemistry		
12	UGC sponsored National Seminar on Green Chemistry	15-12-2011 to 16-12-2011
Department of Botany		
13	A Seminar on Forest Resources and their Management organized as a part of Botanica-2014	27-11-2014

- | | | |
|----|--|--------------------------|
| 14 | Exhibition with a photo gallery on Nature and pavilions by other institutions like CTRCRI, JNTBGRI, Farming Research Station, Kottarakkara | 28-11-2014 |
| 15 | Invited lecture on Why Conserve Biodiversity? By Dr.Parvathy Menon, HOD of Botany, NSS College, Karamana, as a part of Spectrum-2014 | 19-03-2014 |
| 16 | International Seminar on World Bioheritage concerns over Climate Change, with a special reference to Ethnic Vegetables | 07-09-2012 to 08-09-2012 |
| 17 | Invited lecture on Biodiversity of Western Ghats by Dr. N. Mohanan, JNTBGRI, Palode | 01-01-2012 |

Department of Geology

- | | | |
|----|--|------------|
| 18 | An exhibition on earth sciences <i>LA TIERRA</i> 2014 | 05-11-2014 |
| 19 | Invited Lecture on Natural Disasters and their Management by Dr.Sajin Kumar. K.S., Assistant Professor of Geology, University of Kerala | 26-03-2013 |
| 20 | Invited lecture on Environmental Aspects of Mining- Geological Perspective by Sri. E.V.Manoj, Associate Professor of Geology, University College, Thiruvananthapuram | 22-02-2012 |
| 21 | Invited lecture on Tsunami & Earthquakes by Dr. Rajeshwara Rao, Professor, Department of Applied Geology, Anna University | 14-01-2011 |

Department of Zoology

- | | | |
|----|---|------------|
| 22 | Invited lecture on Fascinations of Biodiversity Research by Dr. A. Bijukumar, Department of Aquatic Biology & Fisheries, University of Kerala | 19-01-2012 |
|----|---|------------|

2.2.5 How does the institution identify and respond to special educational/learning needs of advanced learners?

- The advanced learners are identified right from the beginning of each programme by the class tutors from their index marks. As the classes progress, regular class tests, semester series tests, seminars and assignments help the teachers to identify advanced learners and evaluate their progress.
- The college offers special attention to these students by giving them information regarding the advanced books in the field, encouragement for participating in competitions and seminars conducted by other institutions, offering them platform for presenting papers in college level seminars, fine-tuning their organizational skills by incorporating them in various activities of the department, offering cash awards and proficiency prizes for the best performers etc.
- Walk With a Scholar is a mentoring programme initiated by the Higher Education Council, Government of Kerala. This has been implemented in our college from the academic year 2014-15 onwards for selected advanced learners of the first year degree classes.
- They are also exposed to higher echelons of academics in the related fields through visits to reputed research institutes like

Central Tuber Crops Research Institute, Botanical Survey of India, Tamil Nadu Agricultural University, Jawaharlal Nehru Tropical Botanic Garden and Research Institute, Institute of Forest Genetics and Tree Breeding, Centre for Marine and Fisheries Research Institute, etc. and other initiatives such as the following :

- Talent search programmes
- Carrier guidance- enabling placement
- Endorsements and scholarships
- Interdisciplinary student projects
- Training for competitive exams
- Training for PSC Test and NET (by the Departments of Chemistry and History, supported by the UGC)
- Quiz programmes, debate, ASAP, walk with a scholar programme
- Internships connected with PG projects
- Participation in student seminars and workshop (students of Chemistry have obtained Best Paper Award for their presentations)

2.2.6 How does the institute collect, and use the data and information on the academic performance (through the programme duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc. who may discontinue their studies if some sort of support is not provided)?

The data on students at risk of dropping out are collected right from the beginning in their first personal interview by the Principal and teachers. Thereafter the following means of data collection, evaluation, analysis, remedial and supportive measures have helped in lowering the drop out frequencies.

- Orientation programmes like Know Your College
- Interaction with parents at department level
- Tutorial System- collection of data by tutors and interaction with students
- Continuous evaluation-internal and external, and publishing monthly attendance
- Helping financially backward students-midday meal and providing study materials The PTA provides helps to poor students under the name *Kanivu*
- Counseling by the Department of Psychology
- Programmes by the Women's Cell and Equal Opportunity Cell
- Remedial coaching and educational support
- The Scholar Support Programme under the 'New Initiatives in Higher Education' of the Department of Higher Education, Government. Of Kerala offers remedial classes to students who are weak in studies
- Earn While You Learn (for example, Spoken English classes by students for those weak in the language, paper bag manufacturing

in collaboration with the Institute of Gandhian Studies, training in embroidery and glass painting, jewellery making class by students, mushroom cultivation and marketing class conducted by Lab to Land initiative in collaboration with Surya Agrotek, Thiruvananthapuram)

2.3 Teaching – Learning Process

2.3.1 How does the college plan and organize the teaching, learning and evaluation schedules? (Academic calendar, teaching plan, evaluation blue print, etc.)

- The Academic Committee for each year, under a convener, is constituted during the vacation by the College Council. The Committee prepares an Academic Calendar for the two semesters of the corresponding academic year in consultation with the Academic Calendar of the university. The Calendar is displayed on the Notice Board and circulated to all the departments.
- Each department prepares the department level time-tables for each semester in consultation with the College Level Monitoring Committee (CLMC).
- Teachers are required to submit month-wise teaching plan to the respective Heads of Departments, and each teacher keeps a work diary as a record of his/her pedagogic activities during the year.
- Various clubs and committees for co-curricular activities are formulated under the convenership of faculty members.
- The nominal rolls and biodata forms for students are given to the class tutors, who maintain all the records relating to their wards.
- The students are given well-charted time tables as per syllabus on the first day of each semester, along with the names of Faculty involved and the lecture hours assigned to them.
- The details regarding the academic plan and time tables are made available on the website.
- The CLMC monitors and charts the detailed programme for continuous evaluation, the vital components of which are attendance, assignments, projects, performance in various test papers.
- The evaluation of students by continuous assessment enables the identification of weak and advanced learners, in addition to financially and physically handicapped students.
- Remedial coaching is conducted for weak students to improve their academic performance.
- The advanced learners are given ample encouragement, guidance and opportunities in the academic arena both inside and outside the campus.
- Methods of microteaching are periodically implemented for an effective self analysis of the performance of the teachers, especially the younger faculty.

- Students from various disciplines of science are encouraged to design, develop, display and demonstrate novel experiments to their peers, to generate enthusiasm and curiosity in the subject.
- The institution encourages live demonstrations of practical experiments through virtual labs, due to emerging environmental concerns and for safeguarding biodiversity.
- In order to limit the potential hazards likely to arise due to unwarranted use of chemicals in labs, the Department of Chemistry has decided to conduct “lab-course” through micro scale method of analysis.
- Several departments arrange field study (visiting old age homes, orphanages and centres of differently abled persons), to inculcate social commitment, compassion to fellow beings and a perception of real life among the students.
- The students’ academic performance is periodically reviewed and intimated to the respective parents by sending progress cards, through telephonic conversations, SMS and Open House meet.

2.3.2 How does IQAC contribute to improve the teaching –learning process?

The IQAC functions as per the guide lines of the UGC and is concerned with the following :

- Improvement in the institution’s academic and administrative performance
- Reviews periodically the teaching-learning process during every academic year
- Supervises the preparation of year wise action plan and college handbook
- Implementation of effective and innovative pedagogy methodology
- Organizes faculty improvement programmes in consultation with outside agencies like the Higher Education Council
- Encourages faculty to attend conferences, seminars, workshops, training programmes, Orientation/Refresher courses, higher academic courses
- Guidance for the conduct of seminars, workshops, power point presentations and field trips
- Promotes research and supports publications by staff and students
- Promotes and supervises co-curricular and extracurricular activities
- Monitors student feedback, SWOT analysis, and master plans on the basis of internal discussions
- Provides suggestions/directions to the governing bodies of the college for further improvements
- Prepares and submits AQAR to the NAAC
- Co-ordinates the functioning of all curricular and co-curricular committees

2.3.3 How is learning made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the students?

The introduction of CBCS system by the university accompanied by class seminars, assignments, research project works, external viva voce, club activities etc., demand direct involvement of the students and also serve as platforms for the exposure of their talents. Learning is no more rote learning, and requires active participation and heightened effort from each student. The following steps are undertaken by our institution to make the learning process more learner-centric:

- In addition to the traditional class room talk and chalk method of teaching, most of the departments are also equipped with interactive white boards, OHP, LCD projectors and computers for imparting lectures through computer and projector based presentations.
- There is a centralized computer lab with internet connectivity, open in the working hours of the college.
- In the modern era of electronics and communication, the institution has provided ample opportunity to students to attend classes of renowned teachers online, through Skype and other methods.
- The teachers and students are permitted to utilize the ICT enabled teaching resources like OHP, LCD projectors, smart class rooms, audio-visual lab, laptops, DVD and CD players, etc.
- The institution has also experimented Micro Teaching and consequent analysis in some classes whereby the performance of the selected students has been videographed and displayed for further self-analysis and encouragement.
- Students are given responsibility for the conduct of academic programmes.
- Tutors collect the students' feedback on their classroom experiences regarding the teaching-learning process. This process has enabled the teachers to understand their short comings.
- Students are given responsibility to maintain the class attendance and to record details of the topics covered by the teachers, the duration of teaching, etc.
- The students are encouraged to participate in peer group evaluation. This informal and friendly method promotes mutual respect and creates mutual understanding among peers.
- Every teacher is assessed by the students of their respective departments at the end of each year, by filling up a proforma.
- News reading – latest news of national and international significance – in English and Malayalam during lunch break provides information and helps the students get rid of stage fright.

The college offers the following support structures and systems to develop skills like interactive learning, collaborative learning and independent learning among the students :

Interactive learning

- ❖ This is a form of peer group learning for which the slow and medium learners are classified into different groups, each led by one advanced learner. They discuss the given topics and report to the tutor. The discussions are informal so that the beneficiaries are not hampered by any inhibitions.
- ❖ All the Final Year Degree students are assigned group projects in which 5 students form a group. They are expected to find out a research problem, discuss and finalize it with a supervising teacher. Field work/ experimental studies are conducted effectively.
- ❖ Seminars, workshops, power point presentations in classes, role plays, film shows, short film making, publishing newsletters, stage shows, group discussions, academic debates, class assignments, practicals in science laboratories, study tours, industrial visits, field surveys, organizing exhibitions, participating in academic competitions etc. offer ample scope for participatory learning.

Collaborative learning

- ❖ The tutorial system insists that the students form clusters of peers of the locality, who hail from different colleges, doing the same programme. In such clusters, they discuss academic topics by which sharing of information imparted by teachers of different colleges on the same topic is made possible. This opens up different ways to approach a topic, where by the analytical capability of the students is enhanced.
- ❖ Combined paper presentations and publications have been made by teachers and students. Several instances can be cited where students project works are presented in national and international seminars and conferences.
- ❖ Open courses introduced by the university for the fifth semester students promote collaborative learning.
- ❖ Inter disciplinary learning-cluster formation is also practiced in our institution.
- ❖ Interdepartmental and intercollegiate academic programmes and competitions conducted by various clubs like Science Club, Nature Club, Health Club, Human Rights Forum, Media Club etc. offer ample prospects for collaborative learning within and outside the campus.

Independent learning

- ❖ Assignments given to individual students in the UG and PG level fall in the category of independent learning.
- ❖ Paper presentation by students in semesters is also an effective practice in independent learning.

- ❖ ICT enabled teaching resources like LCD projectors, smart class rooms, audio-visual lab, laptops, DVD and CD players, the automated central library and the departmental libraries also enable student-centric independent learning.
- ❖ Electronic facilities of the college like INFLIBNET, e-journals etc. are supportive facilities provided by the college to the students for independent learning.

2.3.4 How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?

The current syllabi under the CBCS system offered by the university include courses like Methodology and Perspectives of Science, Research Methodology, etc., which evoke critical thinking ability, creativity and scientific temper in the students. The research projects in the UG and PG syllabi help to lay the foundations of research culture in the students. However, the institution offers the following means for fine-tuning the analytical, creative, scientific and entrepreneurship skills of the students, for their development into lifelong learners and innovators.

Critical Thinking

- ❖ Assignments, seminars and student projects
- ❖ Academic competitions like debates, essay writing, elocution, group discussions, quizzing etc. on topics of contemporary relevance
- ❖ Charting out and organizing various departmental programmes like seminars, atalog/film shows, workshops, exhibitions, study tours, field visits, industrial visits etc.

Creativity

- ❖ Essay writing, short story writing, media camp, music CD release, short film creation, writing in college magazines
- ❖ Department magazines and manuscript magazines containing articles, travelogues, short stories and poems written by the students, teachers and alumni members
- ❖ Theatrical performances like The Scary Theatre show conducted by the Department of English
- ❖ Creative competitions like food festival, floral carpet competition, making ornamental handicrafts etc.

Scientific temper

- ❖ Science exhibition
- ❖ Eminent scientist's biographical films
- ❖ Live demonstrations
- ❖ Invited lectures on Scientific Temper (for eg. Science Club and IQAC jointly celebrated National Science Day with an invited lecture on Fostering Scientific Temper by Dr.Krishnan Sivasubramoney, Associate Professor of Psychiatry, Medical College, Thiruvananthapuram on 28 February 2014)
- ❖ Visit to R & D institutes

- ❖ Publishing newsletters and in-house magazines
- ❖ Interdisciplinary research journal – *Logos*
- ❖ Annual research journal *Historia*
- ❖ Science journalism
- ❖ Presentation of scientific papers in seminars and conferences
- ❖ Interaction with talented scientists
- ❖ Study tours
- ❖ Industry visits
- ❖ Field visits
- ❖ Book fairs
- ❖ Science of everyday life processes, consumer goods and other related articles
- ❖ Observation of National Science Day, Environment Day and other scientifically significant days
- ❖ Promotion of application of science to make labour, which is now done in the difficult and crude conventional ways, easy

2.3.5 What are the technologies and facilities available and used by the faculty for effective teaching? Eg: Virtual laboratories, e-learning - resources from National Programme on Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NME-ICT), open educational resources, mobile education, etc.

The college offers the following technologies and facilities to the faculty for effective teaching:

- All departments are equipped with ICT enabled teaching resources like OHP, LCD projectors and Computers for imparting lectures through computer and projector based presentations.
- Electronic facilities like INFLIBNET, e-journals etc. are available in the central library on a 24h basis.
- The college also provides ICT tools like wi-fi connectivity, interactive white boards, smart class rooms, audio-visual lab, laptops, DVD and CD players etc. to the faculty and students.
- The institution has also experimented Micro teaching and consequent analysis in some classes for recording, critically appraising and motivating the performance of students.

2.3.6 How are the students and faculty exposed to advanced level of knowledge and skills (blended learning, expert lectures, seminars, workshops etc.)?

- The faculty and students are free to utilize the facilities available in the General library and Centralized computer lab which include wi-fi connectivity, INFLIBNET, e-journals, subscribed journals, periodicals, books, magazines etc.
- The college is furnished with ICT tools like interactive white boards, smart class rooms, audio-visual lab, laptops, DVD and CD players etc.

- The individual departments have department libraries and computers with internet connectivity which permit the staff and students to keep tuned in to the latest developments in the subject area.
- Soft copies of the talks and lectures by luminaries in the academic field of various subjects are made available.
- The students are taken for industrial visits to reputed research institutes and field trips to areas rich in biodiversity or of national importance.
- The departments organize several invited lectures, seminars and workshops to expose the faculty and students to the latest developments in the academic scenario and introduce them to eminent personalities (Table 3.7).
- The clubs and forums functioning in our college organize several programmes, exhibitions, seminars, workshops etc., and these are enlisted in Table 3.14.

2.3.7 Detail (process and the number of students \benefitted) on the academic, personal and psycho-social support and guidance services (professional counseling/mentoring/academic advise) provided to students?

Academic

Academic support is provided by way of remedial classes, scholarships, endowments, supplying books and study materials, scholarships, cash awards to rank winners, prizes to highest mark winners, academic confidence building counseling, personal library assistance by faculty, study tours, round the clock doubt clearing, UGC-NET coaching, career counselling, recruitment test coaching, job fair, introducing innovative and new developments, software training, etc. All departments, academic committees and Career Guidance Cell of the college are actively engaged in ensuring full support for the academic and holistic development of the students.

Personal

Personal support includes medical aid, financial help, moral and ethical guidance, mid-day meals, counseling to deter from narcotics and unhealthy practices. The Department of Psychology and Counselling Cell provide moral support and guidance to the students involved in unhealthy practices and facing anxiety, social phobia and similar problems. The Sree Narayana Study Centre gives guidance on moral and ethical values to all. Financial help is provided by the management, faculty, parents, alumni and financially stable peer students.

Psycho-social support and guidance

The psycho-social support and guidance includes counseling, mentoring, confidence building, alleviating exam-stress, advising to cope with the inconducive familial or social atmosphere, time-management, developing realistic and clear vision about life, training in right way of interaction with society, peers, etc guidance to deter from unhealthy competition, incentives for self-upgradation academic and otherwise, faculty visit to weak and needy

student's houses. The Department of Psychology, Grievance Redressal Cell, Anti-ragging Cell, Anti-sexual Harassment Cell, Women's Studies Cell etc. are actively involved here.

Table 2.7 The number of students who have received various support and guidance services

Nature of support	No.of students
Academic	927
Personal	732
Psycho-social	136

2.3.8 Provide details of innovative teaching approaches/methods adopted by the faculty during the last four years? What are the efforts made by the institution to encourage the faculty to adopt new and innovative approaches and the impact of such innovative practices on student learning?

The IQAC has organized a workshop for familiarizing the faculty with the newer ICT tools. Some of the innovative teaching methods applied in our college are :

- Dramatization of the lesson content by students
- Animated presentation of lesson contents
- Skype, power point, victory channel-presentations
- Distribution of printouts of scientific research papers taken from reputed journals for in-department reading, analysis, understanding methodology, results, salient features of the discussion part, reference bases, scope etc.
- Open-book test papers
- On line submission and evaluation of assignments

2.3.9 How are library resources used to augment the teaching-learning process?

The fully computerized general library is automated with LIBSOFT and bar coding facility, and operates on a 12 hr. basis from 8 am to 8 pm. The departmental libraries function during the working hours. The college offers the following library resources.

- Internet connectivity, OPAC and INFLIBNET availability
- All journals including e-journals are always accessible to students
- Previous question papers, back volumes of journals and newspapers
- Book Bank – each senior PG student is permitted to use a set of books for a whole semester and to return them at the end of the semester
- Reprography
- Subsidized rates for print outs
- Internet kiosks

- Digitalized and computerized cataloging system-easy access to titles of books
- Best reader awards for excellent reviews and summaries of books taken from the library by students
- Award to the students who read the highest number of library books
- Celebration of Reading Day every year
- Elocution competition on the topic Read and Grow the motto popularized by Shri.P.N.Panicker, the pioneer of library and literacy movements in Kerala
- Exhibition of new books

2.3.10 Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If 'yes', elaborate on the challenges encountered and the institutional approaches to overcome these.

Yes, the institution does face some challenges in completing the curriculum within the planned time frame of the new CBCS system. The semesters being packed with diverse courses coupled with semester-wise class tests, assignments and seminars, run on a too tight schedule. The challenges faced are :

Challenges

- Local holidays
- Strikes and hartals
- Delay in completing admission process
- Frequent university exams
- Teachers attending seminars, exam and evaluation duties, and other official engagements
- Untoward incidents

Compensatory steps

- Compensatory classes before and after regular working hours
- Special classes on Saturdays, Sundays and other holidays
- Declaration of some holidays as compensatory working days
- Work distribution among the available faculty to engage the classes of teachers who go on leave
- Immediate posting of guest teachers in long-leave vacancies
- Implementation of a code of conduct in the beginning of every academic year, with the concurrence of students and faculty for restricting strikes so that less number of classes is lost

2.3.11 How does the institute monitor and evaluate the quality of teaching learning?

- Student feedback, both oral and through Teacher's Evaluation Proforma
- Parents' feedback during PTA meetings and in person
- Evaluation of teaching plan and supervision of class engagement by HOD
- Evaluation of Teacher's Work Diary by HODs and Principal

- Evaluation of students' performance in internal class tests and university examinations
- Stringent measures to ensure maximal attendance of students in each semester
- Strict evaluation of class seminars and assignments, and guidance to the students for improvement in their preparatory, writing and oratory skills

2.4 Teacher Quality

2.4.1 Provide the following details and elaborate on the strategies adopted by the college in planning and management (recruitment and retention) of its human resource (qualified and competent teachers) to meet the changing requirements of the curriculum

Recruitment of permanent faculty

- Recruitment of faculty is done strictly on merit basis in accordance with the UGC, university and government norms.
- The applicants have to appear for interview by the selection committee which includes representatives of the government and the management, Principals and subject experts assigned by the university.
- The appointments will have to be approved by the corresponding university, as the Sree Narayana Trusts has over 14 aided Arts and Science Colleges in the state, under the Kerala, Calicut and Kannur Universities.

Retention of permanent faculty

- No member of the faculty has left the service, since the social and economic status and the job satisfaction that the faculty obtains from the service in the institution is excellent.
- The favourable service norms, work friendly environment in the college, support given by the institution for the discharge of their duty and faculty development, optimum independence ensured in the campus and the spiritual ambience of the serene campus named after the great saint Sree Narayana Guru, are also significant reasons for their preference to the service in the college.
- Further, owing to the provisions of the rules regulating transfers, the teachers who opt for this college as their convenient college, get the opportunity to lead a peaceful family life too. Hence they are obliged to excel themselves in the execution of their duty and in their faculty development. This fact has contributed a lot in the college's stride forward

Recruitment of Guest faculty

- The institution directly recruits temporary teachers and guest faculty as per the government norms.

Competence development of faculty

The faculty is motivated to attend Orientation and Refresher Courses, seminars, workshops, conferences, etc., and to visit reputed institutions in order to enhance their potential and to become familiar with

emerging areas of knowledge. The college invites eminent scholars of different disciplines for interaction with the faculty and students. The institution conducts Faculty Development Programmes, workshops, seminars and talks on merging areas and techniques. The college extends all its support to the faculty to empower themselves with excellent technical knowledge and deep understanding of new areas.

2.4.1 How does the institution cope with the growing demand/ scarcity of qualified senior faculty to teach new programmes/ modern areas (emerging areas) of study being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the institution in this direction and the outcome during the last three years.

- The college does not run new UG or PG programmes exclusively on emerging areas. The university's curriculum modification includes introduction of new courses such as Film and Media Studies, Mushroom Cultivation, Yoga, Women Empowerment in the Modern World, Human Rights, Life Skill Education etc., for which the college has sufficient number of well-qualified teachers.
- The faculty are given motivation and full support to participate in Orientation programmes or academic workshops organized by the university, Academic Staff Colleges and Higher Education Council, Government of Kerala, on the emerging areas of knowledge and techniques.
- The faculty with less than five years of teaching experience and having more than twenty years of service ahead are encouraged to undertake ventures like the FLAIR, a capacity building programme of the Department of Higher Education, Government of Kerala.
- The college organizes various seminars, exhibitions and workshops regularly to expose the faculty and students to developments in academic fields.
- Invited lectures by eminent academicians, researchers and former faculty of our college also help to bridge the knowledge gap experienced by the faculty and students as regards the developments on a global scale.
- The teachers and students are encouraged to attend outside seminars, conferences, exhibitions and workshops to update their knowledge base, which will ultimately benefit our student population for years to come.
- The library procures and displays books and journals which contain frontier knowledge and innovations.
- The faculty searches the websites to get information about the changes happening in the world of knowledge.

2.4.2 Providing details on staff development programmes during the last four years elaborate on the strategies adopted by the institution in enhancing the teacher quality.

- The institution is very particular that every member of the faculty should be well informed about the Faculty Improvement Programmes (Name of the Programme, duration and dates) to be conducted by the Academic Staff Colleges and other faculty empowerment agencies on time. The college encourages the teachers to utilize such opportunities to the maximum.
- The college provides every support to the faculty to attend national and international seminars, conferences, and such other programmes as participants and resource persons.
- The college provides the faculty and the students, opportunity for face to face interaction with eminent scholars and experts of every discipline by hosting national and international programmes to which scholars and experts are invited.
- Latest information about the developments happening in every discipline is accessible to the teacher and students through the internet facility provided by the college.
- The teachers are given ample opportunity to develop their teaching skill by attending pedagogue programmes conducted by Academic Staff Colleges, University Departments, Higher Education Council, etc.
- The college encourages sharing of successful methods adopted by each teacher in bringing up the intelligence and knowledge level of slow learners. By means of academic exchange programme, some of our teachers could get in-department knowledge about teaching methods and practices followed by some other institutions. The suitable ones among them are tested and accepted by our college.

a) Nomination to staff Development Programmes

Table 2.8 Number of faculty nominated for various staff development programmes

Academic Staff Development Programmes	No. of faculty nominated					
	09-10	10 - 11	11-12	12-13	13-14	14-15
Refresher courses	2	5	1	2	4	3
HRD Programmes						
Orientation Programmes	2	2	1	4	3	1
Staff training conducted by the university	1	0	1	0	5	--
Staff training conducted by other institutions	1	1	1	0	1	--
Summer/winter schools, workshops, etc.	33	46	47	57	48	26
Newly introduced FLAIR programme by Department of Higher Education, Government of Kerala	--	--	--	--	--	1

b) Faculty Training programmes organized by the institution to empower and enable the use of various tools and technology for improved teaching-learning

- **Teaching-Learning methods/approaches:** The IQAC of the college has conducted several faculty training programmes in which modern teaching learning methods and approaches were introduced. The college encourages each member of the faculty to make use of such techniques, as and when necessary and suitably. The college has submitted a proposal to the Kerala State Higher Education for the conduct of a training programme for college teachers.
- **Handling new curriculum:** Before the commencement of every semester, the IQAC of the college conducts training programme for the teachers on curriculum planning and curriculum transaction. Our teachers invariably attend such Orientation and curriculum restructuring programmes conducted by the university also.
- **Content/Knowledge Management:** The content of every module is realistically divided in the Department Level Monitoring Committee meetings and each division is presented to the students as an independent unit with specificity, so that the student's understanding of the unit is complete and definite. The passage from the first unit to the second and the second to the third and so on is presented as a natural and inevitable process from one to the other. This method has been proved to be the best for the students to logically connect what they learned.
- **Selection, development and use of enrichment materials:** Enrichment materials available in books, journals and other publications, internet, newspapers, presentations, audio-video clippings, etc. are categorized so as to suit the content and method of teaching of each separate unit. These details are utilized as illustrations, examples and reinforcement material to strengthen the knowledge of the students on the topic. They give a visual reinforcement of conceptual understanding. Models, instruments and apparatus are also used.
- **Assessment :** Includes internal assessment by self-assessment and student's evaluation of teachers as well as external assessment by parents. The Academic Committee periodically reviews the performance of teachers by evaluating their API scores.
- **Cross Cutting Issues:** Include too many of local holidays, unhealthy politics, frequent exams, student unrest, delay in admission process etc, cause severe time constraint in the accomplishment of curriculum transaction. Further, students at the entry point mark a huge difference of intelligence level among themselves and hence to bring all of them abreast is a difficult task in the beginning of each semester.
- **Audio visual Aids/multimedia:** The institution provides audio-visual aids like LCD projectors, interactive white boards, smart class rooms, audio-visual lab, laptops, DVD and CD players etc., which capture the student's attention and attract them to their

academic courses. The students are also given ample support in making power point presentations during class/college level seminars.

- **Open Education Resources (OERs):** include INFLIBNET, Virtual Labs, utilization of web-based learning resources which help in
 - Creating awareness of retrieval of research articles through web portals.
 - Encouraging students to view victory channels.
 - Conducting competition among students for best teaching-learning contents.
- **Teaching learning material development, selection and use :** The college ensures regular and adequate availability of teaching-learning resources like reference books, research journals, e-learning properties, CDs and other audio-visual tools etc. to the faculty for getting better equipped to train the students and improving their academic base.
- Several of our teachers have been chairpersons and members of academic bodies like Syndicate, Senate, Faculty, Academic Council and Board of Studies. They have proved their worth in curriculum designing and syllabus revision.

c) Percentage of faculty as participants/presenters

Text Fig.2.3: Faculty as resource persons

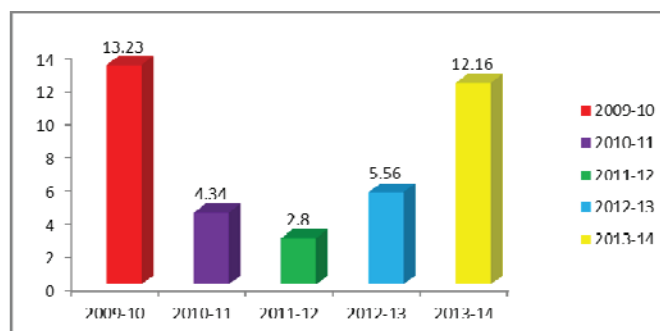
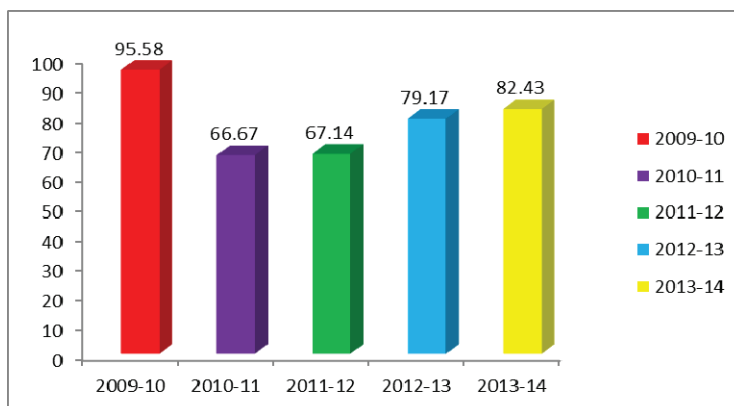


Table 2.9 Number of faculty who have participated in various academic/research programmes

Number of faculty nominated											
2009-10		2010-11		2011-12		2012-13		2013-14		2014-15*	
68		69		70		72		74		66	
No	%	No	%	No	%	No	%	No	%	No	%
Faculty as resource persons											
9	13.23	3	4.34	2	2.8	4	5.56	9	12.16	5	7.6
Participation in seminars & workshops											
65	95.58	46	66.67	47	67.14	57	79.17	61	82.43	30	45.45
Deputation											

5	7.35	2	2.89	2	2.85	3	4.16	2	2.7	3	4.54
Presentation of papers											
35	51.47	40	57.97	47	67.14	55	76.38	61	82.43	26	39.39

Text Fig.2.4: Participation of faculty in seminars and workshops



Text Fig.2.5: Presentation of papers by faculty in international, national and regional seminars and conferences

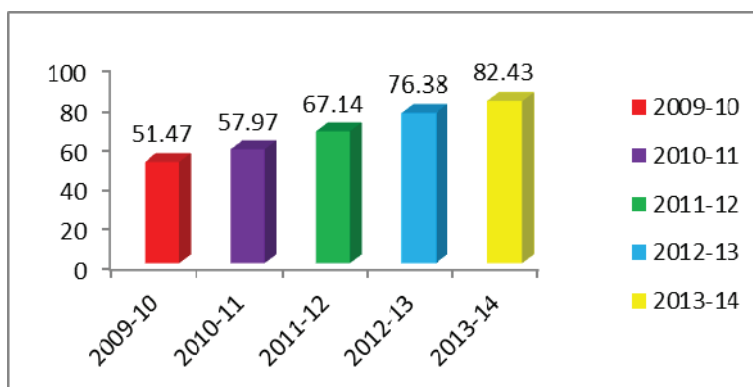


Table 2.10 Details of presentations in seminars/conferences

Dr. L.Thulaseedharan , Principal

1. National Seminar on Right to Information and Good Governance at Sree Narayana College, Kollam on 20-10-2012 to 21-10-2012.
2. National Seminar on The History of Environmental Protection at Sree Narayana College, Chempazhanthy on 20-06-2012.

Dr.M. Devakumar, Former Principal

3. Seminar on Electoral Reforms: Challenges Ahead at Sree Narayana College, Chempazhanthy on 20-02-2014.
4. Seminar on Humanism and Brotherhood of Man in the Teachings of Swami Vivekananda at Sree Narayana College, Chempazhanthy on 15-02-2014.

Dr.C. Ajayan, Associate Professor of English

5. National Seminar at SSUSRC, Payyannur from 01-01-2014 to 02-01-2014.

6. National Conference on Literary Theory: Politics and Practice at Lekshmipuram College of Arts and Science, Neyyoor from 20-09-2012 to 21-09-2012.

Dr.B. Mini Anand, Associate Professor of English

7. International Seminar on Current Trends in Dravidian Linguistics at Department of Linguistics, University of Kerala from 27-05-2013 to 29-05-2013.
8. National Seminar on the Language Acquisition/Learning, at Department of Linguistics, University of Kerala from 03-02-2011 to 04-02-2011.
9. National Seminar on Language of Humour at Department of Linguistics, University of Kerala from 01-11-2011 to 03-11-2011.

Smt. K.N. Geethakumari, Associate Professor of English

10. National Seminar on the Language Acquisition/Learning, at Department of Linguistics, University of Kerala from 03-02-2011 to 04-02-2011.

Dr.Swapna Gopinath, Associate Professor of English

11. International Conference on Fourth World Literature and Culture at Balewadi, Pune from 12-09-2014 to 13-09-2014.
12. Plenary Talk in the National Seminar on Readings and Rereadings in Culture, Literature and Film at KNM Government Arts and Science College, Kanjiramkulam from 25-02-2014 to 26-02-2014.
13. International Seminar on Diasporic Indian Cinemas and Bollywood on the Diaspora: Re-Imagings and Repossessions at OUCIP, Hyderabad from 22-01-2014 to 24-01-2014.
14. National Seminar on The Politics of Popular Culture: Current Trends in Mass Media and Popular Fiction at Mar Thoma College, Thiruvalla from 11-09-2013 to 12-09-2013.
15. National Seminar on Event, Memory and Literature: Trauma Narratives of the Indian Subcontinent at St. Thomas College, Kozhencherry from 05-09-2013 to 06-09-2013.
16. National Seminar on Faith and Ideology in Literature at St. Andrew's College, Mumbai from 30-08-2013 to 31-08-2013.
17. National Seminar on Cross-Cultural Paradigms: Australia and India at the Institute of English, University of Kerala from 25-03-2013 to 26-03-2013.
18. National Seminar on The Resilient Indian Women: Pre and Post Empowerment at Catholicate College, Pathanamthitta from 15-02-2013 to 16-02-2013.
19. National Seminar on Emerging Perspectives in Women's Writing at Government College for Women from 28-01-2013 to 29-01-2013.
20. National Seminar on Diaspora Studies: Srilanka, Pakistan, Bangladesh at Institute of English, University of Kerala from 10-09-2012 to 11-09-2012.
21. International Seminar on Engaging Canada – Engaging India: Quebec Context at Pondicherry University from 11-06-2012 to 12-06-2012.
22. National Seminar on Emerging Perspectives on Media Studies at Government College for Women from 23-02-2012 to 24-02-2012.
23. National Seminar on Indian Literary Historiography and Counter

Currents in Post Coloniality at St. Thomas College, Kozhencherry from 27-09-2011 to 28-09-2011.

24. National Seminar on Diasporic Discourses in Modern Indo-Anglian Fiction at TKMM College, Nangiarkulangara, Kerala from 22-08-2011 to 23-08-2011.
25. International Seminar ((Re)-Reading Classics on Children's Literature at Ernakulam from 19-11-2010 to 20-11-2010.

Smt. Julie P. S., Assistant Professor of English

26. National Seminar on Alienation and Self-Assertion in the Politics of Dalit Literature organized by Sree Narayana College for Women, Kollam on 25-02-2014
27. Seminar at NSS College, Pandalam on 25-10-2013
28. Second International Conference of KAAS at Sree Ayyappa College for Women, Kanniyakumari, on 20-09-2013
29. Seminar on Cinema Cultures in South India at St. Thomas College, Trissur on 13-10-2012

Smt. Nayana Konath, Assistant Professor of English

30. International Seminar on Humor: Texts , Contexts at IIST Campus from 06-12-2013 to 08-12-2013.
31. National Seminar on Emerging Perspectives in Women's Writing at Government College for Women from 28-01-2013 to & 29-01-2013.

Dr. Mahesh S., Assistant Professor of Hindi

32. State Level Seminar at Keral Hindi Sahithya Academy on 26-07-2012.
33. National Seminar at Kerala Hindi Prachar Sabha on 16-03-2012.
34. State Level Seminar at Distance Education, University of Kerala on 26-11-2011.
35. National Seminar at Kerala Hindi Prachar Sabha on 22-03-2011.

Dr. A.P. Greeshmalatha, Associate Professor of History

36. Regional Seminar on Understanding of the Origins of Socio-Political Consciousness in Modern South India at Sree Narayana College, Chempazhanthy from 16-10-2014 to 17-10-2014.
37. Seminar on Swami Vivekananda: Life and Teachings at Sree Narayana College Chempazhanthy on 15-01-2014.
38. National Seminar at NSS College, Neeramankara from 04-12-2013 to 05-12-2013.
39. South Indian History Congress, 33rd Annual Session at Department of History, University of Kerala from 15-03-2013 to 17-03-2013.
40. National Seminar on Understanding the Environmental History of India: Re-looking Environment Protection in the Context of Global Warming and Climate Change at Sree Narayana College, Chempazhanthy from 20-03-2012 to 21-03-2012.
41. South Indian History Congress, 32nd Annual Session at Department of History, University of Madras from 03-02-2012 to 05-02-2012.
42. Annual Regional Academic Seminar Spectrum at Sree Narayana College, Chempazhanthy on 13-12-2011.
43. International Conference on Beyond the Waters: Indian Ocean in Historical Perspective at University of Calicut from 29-03-2010 to 30-03-2010.
44. National Seminar at Centre for Heritage Studies, Department of

Cultural Affairs, Government of Kerala from 18-01-2010 to 19-01-2010.

45. National SAP Seminar (UGC) on Locality, Culture and State Formation in South India at University of Calicut from 10-02-2009 to 12-02-2009.

Smt. Praseetha N.C., Assistant Professor of History

46. Regional Seminar, Higher Education in Kerala since Independence: Issues and Challenges at Sree Narayana College, Chempazhanthy from 09-12-2014 to 10-12-2014.
47. National Seminar on Reflections on Communalism in India: Past and Present at Sree Narayana College, Chempazhanthy from 21-08-2014 to 22-08-2014.
48. National Seminar at Department of History, University of Kerala from 03-10-2013 to 05-10-2013.
49. National Seminar on Introspecting Post Independent Kerala at the Department of History, University of Kerala from 18-03-2013 to 20-03-2013.
50. 33rd Session of the South Indian History Congress at Department of History, University of Kerala from 15-02-2013 to 17-02-2013.
51. 15th Annual Session of Association of 3rd World Studies at the Department of History, University of Kerala from 24-05-2010 to 26-05-2010.
52. 30th Session of the South Indian History Congress at Co-operative Arts College, Kannur from 06-02-2010 to 08-02-2010.

Dr.A. Shaji, Associate Professor History

53. National Seminar at the TKM Arts & Science College, Kollam on 25-02-2014.
54. National Seminar on Modern Kerala at Department of History, University of Kerala from 03-10-2013 to 05-10-2013.
55. National Seminar on Last Phase of Monarchy in Travancore by SUT Institute of Culture at Rangavilas Palace, Thiruvananthapuram from 13-05-2013 to 15-05-2013.
56. Seminar at Kakatiya University, Andhra Pradesh on 28-03-2013.
57. National Seminar at Christian College, Kattakkada in 21-03-2013 to 22-03-2013.
58. National Seminar on Gandhian Vision of Development for a Progressive Nation from 18-03-2013 to 20-03-2013.
59. 33rd Annual Session of the South Indian History Congress at University of Kerala, in 15-02-2013 to 17-02-2013.
60. National Seminar on Mahamana Madan Mohan Malaviya: A Great Visionary Educationist of India at the Department of Education, University of Kerala from 19-12-2012 to 20-12-2012.
61. National Seminar, S.N College, Chempazhanthy from 20-03-2013 to 21-03-2012.
62. National Seminar at N.M Christian College, Marthandam from 27-01-2013 to 28-01-2012.
63. Kerala Education Summit 2011 at Department of Education, University of Kerala from 18-11-2011 to 20-11-2011.
64. National Seminar at St. Cyril's College, Adoor, in October 2011.

65. National Seminar of Ayyankali Chair, at University of Kerala 28-03-2011 to 30-03-2011.
66. National Seminar at Mahatma Gandhi University, Kottayam on 30-03-2011.
67. International Conference at Santhigiri, Thiruvananthapuram from 09-09-2010 to 11-09-2010.
68. Seminar by Association of Third World Studies, from 24-05-2010 to 26-09-2010.
69. Regional Seminar at Sree Narayana College, Chempazhanthu from 21-12-2009 to 22-12-2009.
70. National Seminar at St. Cyril's College, Adoor from 21-10-2009 to 23-10-2009.
71. National Seminar of Ayyankali Chair at University of Kerala from 11-03-2009 to 13-03-2009.
72. 29th Annual Conference of South Indian History Congress from 30-01-2009 to 01-02-2009.

Dr. S.R. Saritha, Assistant Professor of History

73. Indian History Congress at JNU, New Delhi from 29-12-2014 to 31-12-2014.
74. Third World Studies South Asia Chapter Goa at Xavier Centre of Historical Research, Goa on 26-04-2012.

Smt. Shyma Jacob, Assistant Professor of History

75. Third World Studies South Asia Chapter Goa at Xavier Centre of Historical Research, Goa on 26-04-2012 (**Won the Second Best Paper Presentation Award**)

Dr. P.S Vijayanatharaj, Associate Professor of Political Science

76. National Seminar on Electoral Reform organized by C. Achuthamenon Study Centre and Library Thiruvananthapuram and IGNOU in July 2010.

Smt.N.R.Vineetha, Assistant Professor of Political Science

77. National Seminar on Human Rights in the Era of Information Technology at St. John's College, Anchal from 10-01-2013 to 11-01-2013.
78. National Seminar on Understanding the Environmental History in India: Re looking Environmental Protection in the Context of Global Warming and Climate Change at Sree Narayana College Chempazhanthu from 20-03-2012 to 21-03-2012.
79. National Seminar on Right to Information and Good Governance at Sree Narayana College, Kollam from 20-10-2011 to 21-10-2011.
80. National Seminar of the Association of Third World Studies at Student Centre, Palayam on 25-05-2010.

Sri. Sreenish T.V., Assistant Professor of Political Science

81. National Seminar on Sustainable Development at the Department of Political Science, University of Kerala from 20-08-2013 to 21-08-2013.

Dr. Jameela V.A., Associate Professor of Economics

82. International European Population Conference at Vienna (2010) at Vienna Institute of Demography from 1-09-2010 to 4-09-2010.

83. 7th International Globelics Conference 2009 on Inclusive Growth, Innovation and Technological Change: Education, Social Capital and Sustainable Development at Dakar, Senegal, from 06-10-2009 to 08-10-2009.

Dr. Vinod C. Sugathan, Assistant Professor of Economics

84. Era of Globalisation at the Department of Economics, University of Kerala from 14-12-2009 to 15-12-2009.

Dr. Aravind Thampi, Assistant Professor of Psychology

85. National Seminar at Centre for Disability Studies Thiruvananthapuram on 03-12-2012.
86. International Seminar on Applied Psychology in Transforming Education and Management Sciences of the Content of Globalization at ToCH Institute of Science and Technology (TIST) from 15-06-2012 to 16-06-2012.

Dr. A.S. Raakhee, Assistant Professor of Psychology

87. National Seminar on Multidisciplinary Approach to Disability at Centre for Disability Studies Thiruvananthapuram on 03-12-2012.

Dr. Anjana.R., Assistant Professor of Psychology

88. International Seminar of SVASH-2014 organised by the Swami Vivekananda Association of Science and Humanities on 26-04-2014.
89. National Conference on Positive Behaviour at Department of Applied Psychology, Pondicherry University on 20-09-2012.

Dr. Ajilal P., Assistant Professor of Psychology

90. National Conference on School Psychology: Mental Health Challenges at Department of Psychology, Calicut University from 22-11-2012 to 24-11-2012.
91. National Conference on Socio-cultural Prospects of Positive Psychology in India at Lissa College Kaithapoyil, Vayanadu from 23-01-2012 to 25-01-2012.
92. International 4th Annual Conference on Management and Social Welfare Issues: Contemporary Perspectives at IISWBM, Kolkata from 13-01-2011 to 14-01-2011 (**won the Best paper award**)
93. Regional Seminar on Value Education on Age Care at Helpage India in November 2010.
94. National Seminar on Current Trends and Challenges in Applied Psychology at Department of Psychology, Calicut University in October 2010.

Dr. Uthara Soman, Assistant Professor of Sociology

95. National Seminar on Sociology in India: Issues and Challenges at Sacred Heart College, Thevara from 13-12-2013 to 15-12-2013.
96. 36th National All India Sociological Conference at Ravenshaw University, Cuttack, Orissa on 27-12-2010.

Dr. G. Hariprakash, Associate Professor of Mathematics

97. World Congress on Research and Innovations (WCRI2K13) organized by Department of Mathematics, St. Joseph's College, Irinjalakkuda, Thrissur from 04-09-2013 to 06-09-2013.
98. National Seminar on Fuzzy Logic and Fuzzy Semigroup organized by

Department of Mathematics, Sree Narayana College, Punalur, Kollam from 20-03-2012 to 21-03-2012.

Smt. Dhanya S.R., Assistant Professor of Mathematics

99. International Conference on Algebra & its Applications (ICAA-10) at Aligarh Muslim University, Aligarh from 20-02-2010 to 22-02-2010.

Smt. Anjana V., Assistant Professor of Statistics

- 100 National Conference on Statistics for Twenty First Century at the Department of Statistics, University of Kerala from 17-03-2011 to 19-03-2011.

Dr. S. Sreeletha, Associate Professor of Physics

- 101to Two papers in the 17th National Space Science Symposium at SV
102 University Tirupati, from 14-02-2012 to 17-02-2012.
103to Two papers in the 16th National Space Science Symposium, at
104 Sourashtra University, Gujarat, from 24-02-2010 to 27-02-2010.

Dr. K. Kochunarayanan, Associate Professor of Physics

- 105 III DAE-BRNS-National Laser Symposium at Anna University, Chennai on 20-01-2012.
106 International Conference on Optical Engineering ICOE -2012 at Visvesvaraya Technological University, Belgaum, India in 2012.
107 XXXVI OSI Symposium on Frontiers in Optics and Photonics at IIT Delhi in December 2011.
108 National Seminar on Advancements in Bioelectronics and Biosensors(NSABB-2009) at the Department of Bioelectronics and Biosensors, Alagappa University, Tamilnadu from 19-03-2009 to 20-03-2009.
109to Two papers in National Seminar on Photonic Materials at Department
110 of Optoelectronics, University of Kerala from 26-02-2009 to 28-02-2009.
111 International Conference on Optoelectronics on Information and Communication Technologies 2009 (ICOICT-2009) at Thiruvananthapuram from 26-02-2009 to 27-02-2009.

Dr. G. Lillybai, Associate Professor of Physics

- 112 23rd Kerala Science Congress at Rubber Board, Kottayam from 28-01-2012 to 31-01-2012.
113 International Conference on Nanoscience, Engineering and Advanced Computing (ICNEAC-2011) at Narsapur, Andhra Pradesh from 08-07-2011 to 10-07-2011.
114 Seminar at NIIT, Calicut University on 03-03-2011.
115 International Seminar on Photonics at VSSC on 03-03-2011.
116 22nd Kerala Science Congress at CESS, Thiruvananthapuram from 28-01-2011 to 31-01-2011.
117 International Conference on Contemporary Trends in Optics and Optoelectronics at MG College, Thiruvananthapuram from 17-01-2011 to 19-01-2011.
118 National Seminar on Photonic Materials (NSPM-2009).

Dr. D. Beena, Associate Professor of Physics

- 119 DAE-BRNS National Laser Symposium NLS-21 at Mumbai from 06-02-2013 to 09-02-2013.

- 120to 121 Two papers in International Materials Research Congress Symposium on Photovoltaic Solar Energy Materials and Thin Films at Cancun, Mexico from 16-08-2009 to 20-08-2009.

Shri. T.N. Manoharan, Associate Professor of Chemistry

- 122 5th National Conference on Thermophysical Properties (NCTP-09) held at MS University, Baroda from 07-10-2009 to 09-10-2009.

Shri. P.K. Viswanathan, Associate Professor of Chemistry

- 123 International Seminar on Perspectives in Natural Products Chemistry at Government Women's College, Thiruvananthapuram on 23-09-2009.

Dr.K.P.Jayasree, Associate Professor of Chemistry

- 124 International Seminar on Perspectives in Natural Products of Chemistry at Government Women's College, Thiruvananthapuram on 23-09-2009.
- 125 National Seminar Educchem at Sree Narayana College, Punalur from 15-10-2009 to 16-10-2009 (**won Best Paper Award**).
- 126 Indian Science Congress at University of Kerala on 05-01-2010.

Dr. I.G.Shibi, Associate Professor of Chemistry

- 127to 128 Two papers in the 24th Swadeshi Science Congress held at Thunchath Ezhuthachan Malayalam University Tirur, Kerala organized by Swadeshi Science Movement - Kerala & Thunchath Ezhuthachan Malayalam University from 06-11-2014 to 08-11-2014. (**Special Award for the best paper presented in Malayalam**)
- 129to 130 National Seminar on Principles and Applications of Quantum Chemistry at MSM College, Kayamkulam from 30-10-2014 to 31-10-2014.
- 131 National Seminar on Emerging Trends in Materials Science at Sree Narayana College for Women, Kollam from 29-09-2014 to 01-10-2014. (**Won Best Paper Award**).
- 132 International Conference on Emerging Trends in Drug Discovery (ICADD-2014) at Amrita Vishwa Vidyapeetham, Coimbatore, from 23-07-2014 to 28-07-2014.
- 133 State Level Seminar on Green Chemistry – Environmental and Economic Benefits at FMN College, Kollam on 24-06-2014.
- 134to 135 Two papers in the International Seminar on Ayurveda in Public Health in connection with 2nd Global Ayurveda Festival (GAF 2014) at Jawaharlal Nehru International Stadium Ground, Kochi, Kerala from 20-02-2014 to 24-02-2014.
- 136 International Conference on Emerging Frontiers and Challenges In Chemistry, ICEFCC-2014 at All Saints' College, Thiruvananthapuram from 17-02-2014 to 18-02-2014.
- 137 25th Kerala Science Congress at KVASU, Pookode, Wayanad from 28-01-2014 to 31-01-2014.
- 138to 139 Two papers in the in the 25th Kerala Science Congress at KVASU, Pookode, Wayanad from 28-01-2014 to 31-01-2014. **Selected for Best Paper (Oral) Contest**
- 140 National Seminar on Safety and Efficacy of Herbo-Mineral Formulations of Siddha (SEHFS - 2014) at RGCB,

- Thiruvananthapuram on 25-01-2014. (**Won Best Paper Award for oral presentation**).
- 141to Four papers in the National Seminar on Emerging Trends at the
144 Interface Chemistry and Informatics at Sree Narayana College, Varkala, from 12-12-2013 to 13-12-2013.
- 145to Two papers in the 23rd Swadeshi Science Congress at Mahatma
146 Gandhi University, Kottayam from 06-11-2013 to 08-11-2013.
- 147 National Seminar on Emerging Trends in Chemical Sciences (ETCS-2013) held at Department of Chemistry, University of Kerala, Thiruvananthapuram from 29-05-2013 to 31-05-2013.
- 148 National Seminar-cum-Workshop on Computational Chemistry and its Applications at the Department of Chemistry, Sree Narayanam College, Maliankara, from 25-03-2013 to 26-03-2013.
- 149 25th Kerala Science Congress held at Technopark, Thiruvananthapuram from 29-01-2013 to 01-02-2013.
- 150 International Symposium on Herbal and Traditional Medicine at the Department of Pharmaceutical Sciences, Saurashtra University, Rajkot from 09-03-2012 to 11-03-2012.
- 151 12th International Congress of Ethnopharmacology [ISE02012] at Science City, Kolkata from 17-02-2012 to 19-02-2012.
- 152 Seminar on Recent Trends in Supramolecular Chemistry at Kollam on 08-12-2011.
- 153 National Seminar on Recent Trends in Chemical Sciences RTCSFC-2011 at the Department of Chemistry, University of Kerala.
- 154 National Seminar on Current Trends in Material Science in association with Academy of Chemistry Teachers from 04-08-2011 to 06-08-2011.
- 155 Phytocongress-2010, an International Conference on Herbs and Herbo-Mineral Formulations held at Sastra University Thanjavur from 06-02-2010 to 07-02-2010.
- 156 6th International Conference on Hands-on Science (HSCI 2009) Science for All: Quest for Excellence, at Science City, Ahmedabad from 27-10-2009 to 31-10-2009.
- 157 11th National Symposium (NSC11) at NCL Pune on 05-01-2009.

Dr.S. Suma, Associate Professor of Chemistry

- 158 National Seminar on Emerging Trends in Chemical Sciences at the Department of Chemistry, University of Kerala from 29-05-2013 to 31-05-2013.
- 159to Two papers in the National Seminar on Frontiers in Chemistry at the
160 Department of Chemistry, University of Kerala, from 25-04-2012 to 27-04-2012.
- 161to Two papers in the National Seminar on Recent Trends in Chemical
162 Sciences: Frontiers and Challenges in Department of Chemistry, University of Kerala from 25-08-2011 to 26-08-2011.
- 163to Three papers in the International Conference of Coordination and
165 Organometallic Chemistry, ICCOC – 2009 at Bharathiar University, Coimbatore from 19-03-2009 to 20-03-2009.

Dr.Reena Ravindran, Associate Professor of Chemistry

- 166to 168 Three papers in the National Seminar at Sree Narayana College, Chanthanoor from 05-11-2014 to 06-11-2014.
- 169to 170 Two papers in the National Seminar at Mar Ivanios College, Thiruvananthapuram from 09-10-2014 to 10-10-2014 (**Won Second Best Poster Award**).
- 171to 174 Four papers in the National Seminar on Emerging Trends in Materials Science at Sree Narayana College for Women, Kollam from 29-09-2014 to 01-10-2014 (**Won Second Best Poster Award**).
- 175 National Seminar at NSS Hindu College, Changanacherry, Kottayam from 12-08-2014 to 13-08-2014.
- 176 State Level Seminar at FMN College, Kollam on 24-06-2014.
- 177to 180 Four papers in the International Conference ICEFCC-2014 at All Saints' College, Thiruvananthapuram from 17-02-2014 to 18-02-2014.
- 181 Chennai Chemistry Conference-2013 at CLRI, Chennai from 08-12-2013 to 10-12-2013.
- 182to 183 Two papers in the National Seminar at Department of Chemistry, University of Kerala from 29-05-2013 to 31-05-2013.
- 184to 185 Two papers in the National Seminar at the Department of Chemistry, University of Kerala from 25-04-2012 to 27-04-2012.
- 186 24th Kerala Science Congress at Rubber Board, Kottayam from 29-01-2012 to 31-01-2012.
- 187to 188 Two papers in the Regional Seminar at FMN College, Kollam on 08-12-2011.
- 189to 190 Two papers in the 21st Swadeshi Science Congress at CEPC, Kollam from 07-11-2011 to 09-11-2011.
- 191to 192 Two papers in the National Seminar Sree Narayana College, Kollam from 12-10-2011 to 14-10-2011.
- 193 National Seminar at Sree Narayana College, Kollam from 21-03-2011 to 22-03-2011.

Dr.Suma B.S., Associate Professor of Botany

- 194 First Indian Biodiversity Congress IBC 2010 organised by Kerala State Biodiversity Board from 28-12-2010 to 30-12-2010.

Dr.Devipriya V., Associate Professor of Botany

- 195to 197 Three papers in the National Symposium on Challenges for Biologists in 21st Century at Shivaji University, Maharashtra from 22-12-2014 to 24-12-2014.
- 198to 200 Three papers in the National Seminar on Role of Plant Systematics in Biodiversity and its Conservation at Sree Narayana College, Cherthala from 04-03-2014 to 05-03-2014.
- 201 International Conference for Trends in Plant Systematics (TIPS) at Bharathidasan University, Tiruchirappalli from 31-01-2014 to 02-02-2014.
- 202to 205 Four papers in the National Seminar on Socio-Economic Root Causes of Biodiversity Loss at Sree Narayana College, Kannur from 24-01-2014 to 25-01-2014.

- 206to2 07 Two papers in the National Conference on Recent Advances in Plant Taxonomy Research at RTM Nagpur University, Nagpur from 27-12-2013 to 29-12-2013.
- 208to2 13 Six papers in the International Seminar on Molecular Secrets of Plant Medicines (MSPM-2013) at CMS College, Kottayam from 17-10-2013 to 18-10-2013.
- 214to2 16 Three papers in the National Conference on Recent Trends in Plant Biotechnology at Bharathidasan University, Tiruchirappalli from 27-02-2013 to 28-02-2013 (**won Best Paper Award**).
- 217 International Conference on Sustainable Utilization, Management and Conservation of Bioresources (ICSMCB – 2013) at St. Joseph's College, Tiruchirappalli from 10-01-2013 to 11-01-2013.
- 218 National Seminar on Biotechnology vs. Biodiversity Challenges and Options at Sree Narayana College, Kollam, Kerala from 21-11-2012 to 22-11-2012.
- 219to2 20 Two papers in the International Symposium on Innovative Prospects in Angiosperm Taxonomy (ISIPAT-2012) at Sant Gadge Baba Amravati University, Maharashtra from 28-10-2012 to 30-10-2012.
- 221to 225 Five papers in the International Seminar on World Bioheritage Concerns over Climate Change, with a Special Reference to Ethnic Vegetables at Sree Narayana College, Chempazhanthi, Thiruvananthapuram, from 07-09-2012 to 08-09-2012 (**won Best Paper Award**).
- 226to 232 Seven papers in the National Seminar on Recent Trends and Future Prospects of Biodiversity and Conservation at Sree Narayana College, Punalur, from 15-03-2012 to 16-03-2012.
- 233 XI All India Conference on Cytology and Genetics at Bangalore University from 23-01-2012 to 25-01-2012.
- 234to 236 Three papers in the National Seminar on Biodiversity, Conservation and Climate Change (BCCC-11) at the CSIR Institute of Minerals and Materials Technology, Bhubaneswar, Odisha from 02-12-2011 to 04-12-2011 (**won Best Paper Award**).
- 237to 238 Two papers in the National Conference on Biodiversity at All Saint's College, Thiruvananthapuram from 28-09-2011 to 29-09-2011.
- 239to2 41 Three papers in the International Symposium on Taxonomy, Plant Diversity and Conservation at Bharathiar University, Coimbatore from 26-09-2010 to 28-09-2010.
- 242to 245 Four papers in the XI International Conference of International Organization of Plant Biosystematists on Evolution of Plants from Tropical to High Mountain Ecosystem : Focus on Asia at Dr. Babasaheb Ambedkar Marathwada University, Aurangabad from 02-09-2010 to 04-09-2010.
- 246 Golden Jubilee National Symposium on Plant Diversity Utilization and Management at the Department of Botany, University of Kerala from 27-05-2010 to 29-05-2010.
- 247to2 48 Two papers in the International Symposium on Diversity of Plants and Microbes: Present Scenario at Kuvempu University, Karnataka from 28-12-2009 to 30-12-2009.

- 249 International Symposium on Angiosperm Taxonomy & Phylogeny; Retrospects & Prospects at NBRI, Lucknow from 12-11-2009 to 14-11-2009.
- 250 National Symposium on Bioresources in the Development of Medicine at Mar Athanasious College, Kothamangalam from 21-01-2009 to 22-01-2009.
- 251 National Conference on Modern Trends in Plant *In vitro* Biology at Bharathidasan University, Tiruchirappalli from 05-01-2009 to 06-01-2009.

Dr. K.R. Kavitha, Assistant Professor of Botany

- 252 National Seminar on Socio-economic Root Causes of Biodiversity Loss at Sree Narayana College, Kannur from 24-01-2014 to 25-01-2014.
- 253 National Seminar on Recent Trends in Plant Biotechnology at Bharathidasan University, Thiruchirappalli from 27-02-2013 to 28-02-2013.
- 254 International Seminar on World Bioheritage Concerns over Climate Change, with a Special Reference to Ethnic Vegetables at Sree Narayana college, Chempazhanthi, Thiruvananthapuram from 07-09-2012 to 08-09-2012.
- 255 National Seminar on Biodiversity at St. Thomas College, Ranni from 27-03-2012 to 28-03-2012.
- 256 National Seminar on Recent Trends and Future Prospects of Biodiversity and Conservation at Sree Narayana College, Punalur from 15-03-2012 to 16-03-2012.
- 257 Eleventh All India Conference on Cytology and Genetics at Bangalore University from 23-01-2012 to 25-01-2012.
- 258 Kerala Science Congress at Centre for Earth Science Studies, Thiruvananthapuram from 29-01-2011 to 31-01-2011.
- 259 Kerala Women's Science Congress (Life Sciences) at St. Teresa's College, Ernakulam from 10-08-2010 to 12-08-2010.
- 260 Kerala Science Congress at Rubber Institute of India, Rubber Board Kottayam, Kerala from 29-01-2010 to 31-01-2010.

Dr. Kiron Vasudevan, Associate Professor of Zoology

- 261 International seminar ISAAT-2013 on Advances in Aquaculture technologies organized by All Saint's College from 18-07-2013 to 19-07-2013 (**won the Best Paper Award**).

Dr.M.S.Vidia Panicker, Associate Professor of Zoology

- 262 International Conference on Wildlife with special emphasis on Human- Animal Conflict(ICWHAC) organized by the Department of Zoology, St. Berchmans College Changanacherry, Kerala from 16-08-2012 to 18-08-2012.

Dr.K.L.Vivekanandan, Associate Professor of Geology

- 263 The 2013 Metaphor Festival at Stockholm University Sweden from 28-31 August 2013.

Shri. T.K. Valsan, Associate Professor of Commerce

- 264 National Conference on E-Marketing at the Indian Commerce Association in December 2012.

Smt. Swapna O., Assistant Professor of Commerce

265 National Seminar on Role of Parliament in Enacting Business Laws in the Globalised World at Government Arts College, Thiruvananthapuram from 23-03-2012 to 24-03-2012.

Capt. (Dr.) Biju S.S., Associate Professor of Physical Education

266 National Seminar on Modern Terms in Sports Training Mythology and Yogic Practices at Rosary College of Commerce and Arts, Goa in 2009.

2.4.4 What policies/systems are in place to recharge teachers? (eg: providing research grants, study leave, support for research and academic publications teaching experience in other national institutions and specialized programmes industrial engagement etc.)

- The faculty are motivated and given full support in updating their teaching skills by attending Orientation courses, syllabus restructuring courses, Refresher courses and workshops organized by Academic Staff College, University of Kerala, Higher Education Council, Government of Kerala and other academic bodies.
- Deputation and study leave for higher educational purposes including research at doctoral and post-doctoral levels are readily granted (for eg. Smt. Raji Raveendran, Assistant Professor of Economics and Smt. Bijila B., Assistant Professor of Mathematics are under deputation for FIP leading to PhD currently).
- They face no restriction in participating and presenting papers in various regional, national and international seminars, symposia, conferences and workshops organized by central and state level institutions, organizations and academic bodies.
- They are encouraged to undertake minor and major research projects from various funding agencies.
- The college provides all the necessary facilities to research scholars and project investigators.
- Faculty as resource persons or visiting faculties in other institutions are granted duty leave without any hassle.
- The younger faculty in particular are encouraged to undertake ventures like the FLAIR , a capacity building programme of the Department of Higher Education, Government of Kerala (for eg. Sri. Sreenish T.V., Assistant Professor, Department of Political Science has been granted FLAIR membership).

2.4.5 Give the number of faculty who received awards / recognition at the state, national and international level for excellence in teaching during the last four years. Enunciate how the institutional culture and environment contributed to such performance/achievement of the faculty.

Table 2.11 Awards/recognition received by faculty

Faculty & Department	Award	Year
Smt. Asha. G.- Malayalam	Authored a book “Anamikayude Suvisesham”, which bagged the prestigious Sahithya Keralam Award for the year’s debut writing in Malayalam	2006
Dr. A.P. Greeshmalatha. - History	KCHR Fellowship to modify Ph.D thesis for publication	April 2012
Dr. A. Shaji- History	KCHR Fellowship to modify Ph.D thesis for publication	April 2011
Smt. Shyma Jacob - History	Second Best Paper Presentation Award at Xavier Centre of Historical Research, Goa	26-04-2012
Dr. Ajilal P. - Psychology	Best paper award in the International 4th Annual Conference on Management and Social Welfare Issues: Contemporary Perspectives at IISWBM, Kolkata	13-01-2011 to 14-01-2011
Dr. Uthara Soman- Sociology	Dr. Jose Murickan Young Sociologist Award	November 2009
Dr. K.P. Jayasree - Chemistry	Best Paper Award in the National Seminar Educhem at Sree Narayana College, Punalur	15-10-2009 to 16-10-2009
Dr. I. G. Shibi - Chemistry	Special Award for the best paper presented in Malayalam <i>in the</i> 24 th Swadeshi Science Congress held at Thunchath Ezhuthachan Malayalam University Tirur, Kerala	06-11-2014 to 08-11-2014
	Best Paper Award for oral presentation in the National Seminar on Safety and Efficacy of Herbo-Mineral Formulations of Siddha (SEHFS - 2014) at Rajiv Gandhi Centre for Biotechnology, Tvpm, Kerala	25-01-2014
	Best Poster Award for presentation in the UGC Sponsored National Seminar on Emerging Trends in Materials Science on at Sree Narayana College For Women, Kollam	29-09-2014 to 01-10-2014
Dr.Reena Ravindran - Chemistry	Second Best Poster Award in the National Seminar at Mar Ivanios College, Thiruvananthapuram	09-10-2014 to 10-10-2014
	Second Best Poster Award in the National Seminar at Sree Narayana College for Women, Kollam	29-09-2014 to 01-10-2014
Dr. V. Bhagavathy - Chemistry	Andhra University Medal for Best Research Work	1994
Dr. Devipriya V.- Botany		

Fellowship conferred by the Indian Association for Angiosperm Taxonomy - FIAAT	2006 onwards
Best paper award for Poster session in Plant Systematics at the National Conference on “Recent Trends in Plant Biotechnology” organized by the Department of Plant Sciences, Bharathidasan University, Tiruchirappally, Tamil Nadu	27-02-2013 to 28-02-2013
Best paper award for Oral session in Plant Systematics at the International Seminar on “World Bioheritage concerns over Climate Change, with a special reference to Ethnic Vegetables” organized by the Department of Botany, SN College, Chempazhanthi, Thiruvananthapuram, Kerala	07-09-2012 to 08-09-2012
Best paper award for Oral Technical session in Systematics of Angiosperms at the National Seminar on Biodiversity Conservation and Climate Change organized by the Institute of Minerals and Technology, Bhubaneshwar, Orissa	02-12-2011 to 04-12-2011
Dr. Kiron Vasudevan - Zoology	
Best Paper Award for poster session in International Seminar on Advances in Aquaculture Technologies at All Saint’s College, Thiruvananthapuram, Kerala	18-07-2013 to 19-07-2013

2.4.6 Has the institution introduced evaluation of teachers by the students and external Peers? If yes, how is the evaluation used for improving the quality of the teaching-learning process?

- Feedback from students and stake holders are obtained by means of realistically framed questionnaires.
- The response is drawn separately for different segments. The response on the performance of each teacher is classified at 4 categories: Excellent, very good, average, satisfactory.
- The teacher is appreciated for excellent and good performance and given tips and trainings if necessary for his/her own betterment in the average and poor segments.
- The IQAC periodically reviews this and takes appropriate measures to effect required improvements.
- A complaint box is made available to the students in front of the Administrative Building to submit their complaints maintaining their privacy.
- Feedback is also collected from eminent personalities visiting our campus in connection with academic events like seminars, conferences, workshops, training programmes etc. They interact with the faculty and students, and their comments and suggestions are recorded in the Guest Book of the college.

2.5 Evaluation Process and Reforms

2.5.1 How does the institution ensure that the stakeholders of the institution especially students and faculty are aware of the evaluation processes?

- Before the commencement of each semester, the IQAC invariably makes sure that every student and every member of the faculty is aware of the evaluation process which they have to undergo.
- The Principal explains the evaluation process in the Orientation programme Know Your College conducted for the students and parents of the first semester UG and PG classes in the beginning of each academic year.
- The college handbook and university website also gives details regarding the scheme of examination and student evaluation methods.
- The academic calendar gives a tentative schedule regarding the dates of semester examinations.
- Class wise Open House meetings are also venues in which the teachers and students discuss in detail the grading system and its components.
- The question papers of the previous years are made available to the students in the Central Library and the marks/grades allotted in Internal Assessment are displayed on the department notice boards.
- The teachers are also evaluated by the students in each semester through well-formulated questionnaires.
- The Departmental and college level staff meetings thoroughly discuss each components of the evaluation process of teachers and students separately. Thus a refined mechanism of evaluation is evolved.
- Evaluation of the students' performance is done at the tutorial and department level and the evaluation of the teacher's performance is done at the departmental and college level.
- Students' evaluation of teachers' performance is confidential and only the concerned teacher has access to the students' response in this regard. This is for the teachers' introspection and self-improvement, without affecting his/her self-respect.

2.5.2 What are the major evaluation reforms of the university that the institution has adopted and what are the reforms initiated by the institution on its own?

- The University of Kerala introduced the Choice Based Credit and Semester System (CBCSS) from the academic year 2010-11 onwards.
- The revised CBCS System, 2013 considers evaluation under two heads – Continuous Evaluation (CE) and End Semester Evaluation (ESE). The former is internal assessment while the latter involves external experts nominated by the university. The CE:ESE mark ratio is 20:80.
- The marks obtained in CE and ESE are totalled and the grades for each semester are given on a seven-point scale (A+, A, B, C, D, E and F).
- The CE marks are granted based on the assessment of attendance, assignments, class test paper and project work.

- The ESE in each semester is conducted by the university as per the schedule in the Examination Register approved by the ULMC.
- Participation in social service or extension activities which involve community linkage, peer services, co-curricular activities, extra-curricular activities, social acclaim, creative ability and achievements are also considered for internal evaluation.
- Such extension activities are mandatory in the third and fourth semesters for not less than forty hours.

2.5.3 How does the institution ensure effective implementation of the evaluation reforms of the university and those initiated by the institution on its own?

- Following the publication of the University Calendar, the college publishes its own Academic Calendar and a Hand Book in which the university regulations pertaining to evaluation are incorporated.
- The CLMC is constituted at the beginning of each academic year and consists of the Principal, a Co-ordinator and the Faculty Advisors from all departments.
- The Co-ordinator of the CLMC regularly attends the ULMC meetings and forms the interface between the University and college in the evaluation process.
- The CLMC charts and supervises the internal examinations for CE in the college as per the schedule in the Academic Calendar of the college.
- The Examination Committee consists of the Principal as the Chief Superintendent and a Senior Faculty member as the Assistant Superintendent of Examinations. This committee functions as per the Examination Calendar and notifications of the University and ensures the smooth conduct of the external ESE.
- We conduct annual enlightenment programmes for the faculty on the university regulations for evaluation.
- All the members of the faculty take part in the evaluation process of the university as a part of their duty.
- The institution adheres to the university pattern of question designing and answer book patterning for all internal exams.
- All the evaluation components are carried out in time as per the University Calendar.
- The department's initiates the university the defects noticed in the conduct of the university examination especially errors in question papers, in time so that the university can take up measures to compensate the loss of marks/grade incurred by the student.

2.5.4 Provide details on the formative and summative assessment approaches adopted to measure student achievement. Cite a few examples which have positively impacted the system.

The college practices both formative and summative methods of assessment to evaluate the students. Formative assessments during the initial and middle stages of each semester help the faculty to comprehend the

students' basic knowledge of the subject being taught, identify his/her problems in grasping and reproducing the subject matter and take steps to rectify the defects if any, so as to minimize the damages and improve the students' academic performance. Summative assessments on the other hand, are made at the end of each semester and help to evaluate the feasibility of continuing the programme and if not possible, to make substitutions or the necessary modifications.

Formative Assessment: includes the continuous evaluation of punctuality, regularity, assignments, seminars and semester series tests. Additional methods like short notice test papers, summarisation of the topic immediately after the completion of the topic and peer evaluation of the test papers are also used.

- Short notice test papers expose students' sensitivity and memory as well as the quantum of assimilation of the topic. It helps to locate the areas where the student needs further coaching.
- Summarisation of topic immediately after the completion of it evidences the students' sequential memorization capacity as well as the teachers' effectiveness in communication.
- Peer evaluation helps the evaluation of student to understand his misconcepts about aspects of the topic and where he/she can help the other.
- The observations from the formative are recorded and form the base for granting the CE marks at the end of each semester. CE marks are calculated from the percentage of attendance, assignments, class test and seminar.

Summative Assessment

- Strictly following the university's assessment pattern and based on the observations gathered from the formative assessments, the teacher evaluates the performance and progress of each student and makes a summative assessment of the students at the end of each semester in the form of CE marks.
- In addition the university conducts the external ESE which forms the major component of summative assessment.
- The results of the CE along with those from the ESE are intimated to the students and their parents. They in turn serve as measures of the strengths and the weaknesses of the students. This shows the students, the areas where they have to be additionally cautious to excel in the university assessment in succeeding semesters.
- The students who got very low grades in the college level summative assessment are given a reassessment opportunity, so that they can make self-improvement or obtain support from the faculty.

2.5.5. Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weightages assigned for the overall development of students (weightage for behavioral aspects, independent learning, communication skills etc.

- The various aspects relating to student performance in class tests, short notice test papers, assignments, seminars, regularity, peer evaluation, summarization of topics etc. are recorded systematically and the CE marks are granted on the basis of the overall performance of the students in the semester.
- The evaluated assignments and answer scripts with grades or marks are returned to the students, so that they can come up with claims of more grades or marks and the teachers can point out why the students were awarded high or low grades/marks.
- Grades or marks obtain by every student of each class are enlisted with their signatures and displayed on the department notice boards.
- The students are free to register complaints, with the DLMC, CLMC or ULMC, regarding anomalies or discrepancies of the assessments of the assessment, if any.
- As per the CBCSS guidelines, 2013 of the University of Kerala, the CE marks are consolidated as shown below

Table 2.12 Consolidation of CE marks

Sl.No.	Criterion	Marks
1	Attendance	5
2	Assignment/Seminar	5
3	Class Test	10

Table 2.13 Allotment of marks for attendance

Sl.No.	Attendance Range	Marks
1	Less than 75%	1
2	75% – less than 80%	2
3	80% – less than 85%	3
4	85% – less than 90%	4
5	90% and above	5

Table 2.14 Criteria for grading

Sl.No.	Percentage of marks	CCPA	Letter Grade
1	90 and above	9 and above	A+ Outstanding
2	80 to < 90	8 to < 9	A Excellent
3	70 to < 80	7 to < 8	B Very Good
4	60 to < 70	6 to < 7	C Good
5	50 to < 60	5 to < 6	D Satisfactory
6	40 to < 50	4 to < 5	E Adequate
7	Below 40	Below 4	F Failure

2.5.6 What are the graduates attributes specified by the college/affiliating university? How does the college ensure the attainment of these by the students?

Graduate attributes are generic attributes of the graduate community considered as qualities imbibed by the students based on the nature of education imparted by the institution. They reflect the contribution of the institution to the society by way of enabling the holistic development of the student making them scholarly, tech-savvy and globally competent. Our institution also strives for the overall development of our students into globally competent citizen.

- The serene ambience in our college located in the birth place of Sree Narayana Guru exerts a calming influence on all. The Sree Narayana Study centre of our college imparts spiritual lessons on moral and ethical values to our students.
- The well-qualified faculty with consistent research output, instills the commitment to lifelong learning and in-department research activity in them.
- Various international and national seminars, conferences, invited lectures and workshops organized by several departments of our college expose our students to the latest developments and innovations in the academic scenario.
- The industrial and field visits to reputed national and state institutes familiarize them with the latest technological developments.
- Spoken English classes are given to the students for improving their communication skills.
- The Career Guidance and Placement Cell gives them information regarding the opportunities for career development.

2.5.7 What are the mechanisms for redressal of grievances with reference to evaluation both at the college and University level?

At the college level

- The college has a three-level system for the redressal of students' grievances.
- At the first level, the students can directly contact their class tutors and discuss their problems. Most of the grievances are redressed by the tutor.
- The second level involves the Head of the Department, two senior faculty members and the tutor.
- The third level involves the CLMC which includes the Principal, Co-ordinator and selected senior faculty members from various departments.

At the university level

- The university has a Board for Adjudication of Student Grievances with the Vice-Chancellor as the Chairman.
- The grievance of the student, which was not successfully redressed at the college level can be forwarded to the Board by the Principal of the college concerned or by the University Union.

- The Chairman conducts a preliminary enquiry of the complaint and if needed, places it before the Board for further discussion and action.

2.6 Student performance and Learning Outcomes

2.6.1 Does the college have clearly stated learning outcomes? If 'yes' give details on how the students and staff are made aware of these?

The college has a clear vision about the learning outcomes, as is stated in our vision and mission. The college aims at moulding each student in to a globally competent person with the beauty of moral and ethical values instilled in him/her. Thus the student becomes sufficiently equipped with right knowledge in the discipline and skill and competence for obtaining desired employment or other platforms for livelihood, commitment to society and readiness to sacrifice for the nation. In short, what we expect is not only excellence in scholarship but also in character and personality. The college website, the college prospectus and the college calendar clearly inform our students and other stakeholders about what we aim at. At the start of every programme the college conducts an Orientation programme Know our College for fresh students, through which we enlighten them about every aspect of the functioning of the college and what the college expects from them. The tutorial system crystallizes in their minds information about the college, the educational process and the expected outcomes.

2.6.2 Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course/programme? Provide an analysis of the student's results/achievements (Programme/course wise for last four years) and explain the differences if any and patterns of achievement across the programmes/courses offered.

The college conducts, continuing assessment of the students' curricular and co-curricular performance and the outcome is regularly recorded in the tutorial card. The tutor conducts one to one interaction with each ward, draws opinions and grievances of the students, rectifies the grievances and informs the student about his or her level of competence. The results are then documented in the progress card which is send to the parents.

Table 2.15 Pass Percentage of UG & PG Courses during the last 5 years

Programme	2009-10	2010-11	2011-12	2012-13	2013-14
UG Courses					
English	54.23	50.80	63.30	92.30	90.00
History	95.00	82.00	64.00	74.00	68.00
Economics	63.50	63.90	71.62	72.20	63.46
Political Science	45.00	63.00	50.00	73.00	86.00
Psychology	94.00	81.40	87.00	60.00	75.00
Sociology	79.00	71.00	73.70	85.71	83.50
Mathematics	94.20	83.00	84.60	77.00	75.00

Physics	91.40	96.50	95.10	93.75	92.80
Chemistry	78.78	69.23	51.28	81.08	55.55
Botany	92.30	90.60	88.00	89.60	82.00
Zoology	91.00	86.00	100.00	77.00	78.00
Geology	73.00	100.00	100.00	100.00	92.00
Commerce	68.60	96.30	95.60	94.73	84.00
PG Courses					
English	--	--	--	--	--
History	100.00	96.00	100.00	91.60	100.00
Chemistry	77.00	79.00	100.00	87.50	75.00

Table 2.16 Rank holders in the last five years

Year	Department	Rank	Name of Student
2013-14	Psychology	I CPGA	Abhilash V.L.
	Sociology	II CPGA	Arya Gopinath G.M.
	Geology	II CPGA	Asha G. Gopal
		III CPGA	Geethu Lakshmi C.
2012-13	Psychology	II CPGA	Aishwarya S.
		III CPGA	Preethi R.S.
	Sociology	I CPGA	Avani J. Nath
	Geology	I Rank	Arunima R.O.
2011-12	Psychology	II Rank	Shilpa Balagangadharan
		III Rank	Arya K.S.
	Geology	III Rank	Indu G.
2010-11	English	IV Rank	Reji A.L.
	History	III Rank	Asha L. Ravi (PG)
	Sociology	II Rank	Asha Raj D.V.
	Geology	II Rank	Lakshmi K.S.
		III Rank	Nandu V.
2009-10	Sociology	III Rank	Ani Sony
	English	III Rank	Jayalekshmi N.S.
	History(PG)	III Rank	Devayani Ammal S.

A

After discussing the assessments and outcomes, IQAC suggests modifications and changes required in the curriculum transaction by the teachers and gives tips and suggestions to the students for improvement. The university conducts the end semester examination and publishes the results. IQAC analyses the results and delineates the student's progress from the entry point to the exit point. These outcomes and the findings of the analysis becomes a parameter for the teachers to assess themselves and their performance, in relation to the student's performance.

The college employs SMS facilities for the communication of students' progress and performance including the outcome.

2.6.3 How are the teaching, learning and assessment strategies of the institution structured to facilitate the achievement of the intended learning outcomes?

The college has a well-structured strategy for effective conduct of teaching, learning and assessment. The strategy makes the achievement of the intended learning outcome easy, since, it is the result of a well-made action plan and converted implementation of it.

Teaching

The teaching plans and time tables are prepared by the faculty as per the Academic Calendar at the beginning of each semester. The Academic Committee continuously monitor the progress of teaching. Separate hours are set aside for tutorial guidance and project work. Classes for remedial coaching, special coaching for improving communication skills in English, computer basics, etc. are conducted before or after the working hours. Extra classes for covering the classes missed due to the absence of faculty are conducted on Saturdays or other permissible holidays. The teaching activities are monitored by the HOD and decisions regarding modifications if any to be effected are jointly taken in the DLMC meetings after discussion.

Learning and Assessment

The tutorial system implemented in the college functions round the clock, keeping contact with the students and their parents. The class tutors regularly monitor the timely conduct of class tests and submission of grade sheets. The students are encouraged by the faculty to gather information from the reference books, journals, e-sources and INFLIBNET available in the central and departmental libraries, in addition to the information they have received from the lectures by the faculty during class hours. The knowledge level of the students is assessed by Continuous Evaluation from class tests, group discussions, mock vivas, assignments, seminar presentations etc. The results are discussed in the DLMC, and later communicated to the CLMC. The CLMC charts and monitors the conduct of internal examinations and the Examination Committee ensures proper conduct of external examinations as per the schedule set by the University. The CLMC also guides and ensures that the grade sheets of various internal examinations are submitted online to the university in time.

2.6.4 What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (student placements, entrepreneurship, innovation and research aptitude developed among students etc.) of the courses offered?

The course curriculum is designed by the university, giving sufficient freedom to the institution to choose the mode of curriculum and to add necessary components for the development of the skill, competence, attitude, character, personality etc. The IQAC, Research Committee and the Extension Activities Committee along with the other clubs function in the college undertake various activities and initiate several steps to enhance the social and economic relevance of the courses offered. Some of them are :

- The student projects are mostly on socially relevant topics.
- Seminars are conducted on socially relevant themes, in order to motivate research on topics of public interest.
- Many initiatives of the NSS and various clubs functioning in the college address issues of public concern.
- The classes conducted by the Sree Narayana Study Centre are expected to make the students more spiritually attuned with increased moral and ethical values.
- Enrichment courses like Yoga Classes, Karate Training Classes for Women, Spoken English Courses, etc. aid in the personality development of students.
- The college and departmental magazines provide ample scope for the expression of the creative talents of the students and faculty.
- Hands on training are offered by various departments, Women's Studies Cell and several other clubs on Mushroom Cultivation and Marketing, Ornament Making, Umbrella Making, Paperbag Making, etc. promoting the entrepreneurship skills of the students.
- Other initiatives like *Pusthaka Thottil* and activities of the Placement Cell, ASAP and Field Trips/Industrial Visit etc. are also examples.

2.6.5 How does the institution collect and analyze data on student performance and learning outcomes and use it for planning and overcoming barriers of learning?

Students' performance is a yardstick to gauge the strength of teaching methods that our teachers follow. This identification of strength and weakness helps the Academic Committee to suggest modifications, alterations and substitutions for the improvement of the teaching-learning methods. The data are collected from various feedbacks, assessments and rating of performance by students and other stakeholders. The activities of the steering committee of the IQAC, and DLMC and CLMC also enable the collection and analysis of data. While analyzing the data on students' performance, special care is given to identify the boosting and hampering elements. This identification makes the process of barrier-elimination easy and becomes a vital contributor to further planning of equalizing strategies in the process of teaching and learning.

2.6.6 How does the institution monitor and ensure the achievement of learning outcomes?

Thanks to the right methods of data collection and detailed and meticulous analysis of the data, the Tutorial Committee, Academic Committee, IQAC and the departments can locate the strengths and weakness of the teaching-learning process. This helps to decide on how to strengthen the positive aspects and to knock out the negative aspects. This process continues as the assessment is also a continuous affair, that is, the teaching and learning is under constant improvement, and hence the achievement of excellence in learning outcome is ensured.

2.6.7 Does the institution and individual teachers use assessment/ evaluation outcomes as an indicator for evaluating student performance, achievement of learning objectives and planning? If ‘yes’ provide details on the process and cite a few examples.

Each student evaluates his/her teachers in the department. The students do not reveal their identity, so that without any inhibitions or fear, they can honestly present their opinions. This response sheet is given to the concerned teacher for his/her self-evaluation and effecting necessary modifications or improvement.

The evaluation of a teacher by students varies according to the calibre of the student and the nature of the curriculum portion also. If the student records his/her inability to follow a teacher in class, it is partially due to either the student’s low calibre and/or the complexity of the curriculum portion. In order to overcome such contingency, the college has adopted a three-tier doubt clearing method in which advanced learners clear peer-doubts, a teacher clears students’ doubts and a panel of teachers together explain different aspects of a complex topic in a logical order so that the student gets a comprehensive understanding of the topic.

Criterion III

RESEARCH, CONSULTANCY AND EXTENSION

3.1 Promotion of Research

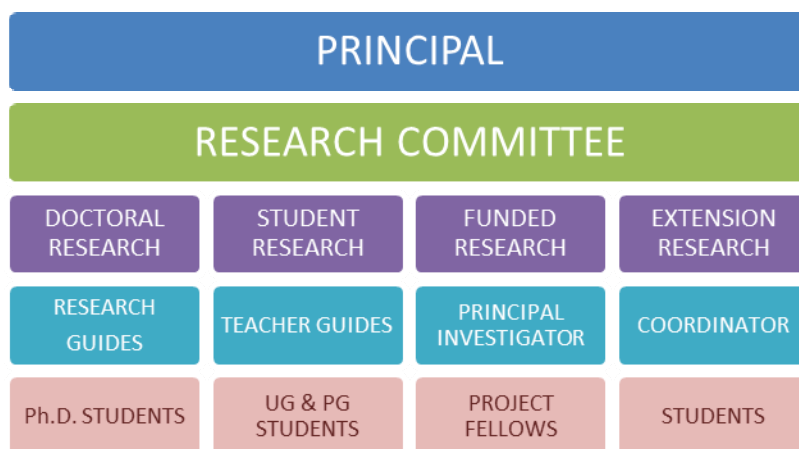
3.1.1 Does the institution have recognized research centre/s of the affiliating University or any other agency/organization?

Yes. The college has two Research Centres recognized by the University of Kerala, the Department of Chemistry and the Department of History since 2010. Four faculty members of the Department of Chemistry and five of the Department of History are recognized Research Guides of the University of Kerala. The Department of Chemistry is supported by FIST programme of Department of Science and Technology, Government of India.

3.1.2 Does the Institution have a research committee to monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact.

A Research Committee functions in the college with the clear objective of fostering and coordinating all our research activities. The College Council nominates the Research Committee with a senior faculty member of a research department as the Convener. Heads of all PG departments and all Research Guides of the college are its members. The Committee is chaired by the Principal. The Committee formulates quality action plan in consultation with IQAC and decides on the strategies to be adopted for the execution of the plan. The implementation of the plan is periodically reviewed by the committee and necessary changes in approach are brought about.

Text Fig.3.1: Hierarchy of research personnel in the institution



Research Committee focuses on four components of research i.e., Doctoral Research, Student Research, Funded Research and Extension Research. The Research Committee made the following recommendations:

- ❖ Ensure research scholars and guides' participation in various national and international academic deliberations.
- ❖ Ensure the presence of our PG students in the Open Defence of the research scholars.
- ❖ Felicitate the doctoral awardees of our college in public functions.
- ❖ Motivate and assist the faculty, research scholars and students to prepare project proposals in their research area.
- ❖ Recommend the research proposals to the funding agencies.
- ❖ Monitor the funded research projects of the college and maintain the record with respect to the utilizations of the grants received.
- ❖ Introduce motivational programmes which familiarize fresh areas of knowledge.
- ❖ Provide sufficient infrastructural and learning facilities for the accomplishment of the task that the faculty and students take up.
- ❖ Bring in innovative technology and techniques in research areas.
- ❖ Facilitate interactions with eminent scholars in the new fields of knowledge and foster institutional relations with important research organizations.

Impacts

- ❖ Increase in the number of students, research guides and faculty who embarked on research activities
- ❖ Augmentation of research facilities in the departments.
- ❖ Increase in the number of participants from our college in national and international conferences.
- ❖ Procurement of seed money for proactive student projects from sources like CSIR NIIST, NCESS, OSDD and other funding agencies.
- ❖ Increased participation of research scholars and PG students to attend the Open Defence of the research scholars.
- ❖ Honouring the successful research scholars, with prizes, on their attainment of doctoral degree in public functions in the presence of the whole college community.
- ❖ Increase in the number research journals subscribed by each PG department and the number of students making use of these resources.
- ❖ Regular interaction of the research scholars with UG and PG students in order to motivate the latter to undertake research activities.
- ❖ Facilitating interaction between invited resource persons and the research scholars for the successful completion of the course work content of the Ph.D. programmes of the scholars.
- ❖ Publication of a multi-disciplinary research journal, *Logos* with ISSN 1380 2349-3836.

3.1.3 What are the measures taken by the institution to facilitate smooth progress and implementation of research schemes/projects?

The institution assures the following for the smooth progress and implementation of research schemes/projects.

- ❖ Academic and financial autonomy to the Principal Investigators (PI)
- ❖ Timely release and availability of resources
- ❖ Adequate infrastructure and human resources
- ❖ Time-off, reduced teaching load, special leave to attend programmes in other institutions, etc. to the Principal Investigators (PIs) and Research Guides
- ❖ Essential support in terms of technology, information and communication needs such as typesetting, secretarial service and unrestricted use of library
- ❖ Availability of technological support from reputed institutions, in the form of operative know-how and machinery
- ❖ Outsourcing of data for analysis by licensed software, whenever required
- ❖ Timely auditing and submission of utilization certificate to the funding authorities
- ❖ Procurement of capital goods as assets of the institution as and when the PI submits the audited accounts and project completion report
- ❖ Participation of the PI's in national and international conferences and workshops to present their findings
- ❖ Encouragement to publish their findings in reputed peer reviewed journals
- ❖ Organisation of periodic meetings in which the faculty members and research guides review the progress of the scholars' work
- ❖ Training for pre-submission seminars in order to assist students preparing for the submission of their doctoral theses
- ❖ Regular reviews of the progress of the project work so that the project is completed within the time-frame
- ❖ Annual improvement of infrastructural facilities for research including maintenance of research rooms, computers, internet accessibility, etc.
- ❖ Attempts to get extension of the end time stipulation from the funding agency in case of delay in the completion, owing to some unforeseen reasons

3.1.4 What are the efforts made by the institution in developing scientific temper and research culture and aptitude among students?

The institution has organised several programmes to develop scientific temper and research culture and temperament among the students.

- ❖ Periodic seminars, research presentations, synopses presentations, classes on various topics in research methodology, software training, and pre-submission seminars
- ❖ Project work of UG students on areas relevant to societal needs and environmental problems
- ❖ Encouraging participation of students in open defence sessions and pre-submission seminars
- ❖ Involving students to assist the faculty on research projects

- ❖ Encouragement given to students for social extension research
- ❖ Periodic meetings and reviews on the progression of the research activities and regular attendance of research scholars
- ❖ Design of student projects in such a way that they get opportunity to do the project in reputed research centres, industries and educational institutions

3.1.5 Give details of the faculty involvement in active research (Guiding student research, leading Research Projects, engaged in individual/collaborative research activity, etc.)

- ❖ Forty-two out of sixty-six permanent members of the faculty (63.6%) possess research degree, out of which twenty one (50%) are recognized research guides of the University of Kerala. (Table 3.1)
- ❖ The university has awarded Ph.D. to fifteen research scholars guided by our faculty during the last five years (Table 3.2) and one student has submitted Ph.D. thesis. Faculty members of our institution currently guide fifty three research scholars pursuing their doctoral programme. (Table 3.3) The number of faculty who has successfully completed their research leading to Ph.D. during the last five years is fourteen.
- ❖ Five members of the faculty are PIs of their individual Major Research Projects and one member is the Co-Investigator of a Major Research Project.
- ❖ CSIR OSDD has awarded Student Research Fellowship to PG students of Chemistry, for the first time in the state.
- ❖ The social research extension work is very active because of the collaboration between our Departments of Sociology and Psychology. They have carried out many studies of social relevance.

Table 3.1 Summary of Research Supervision

Department	Name of approved guide	Ph.D.s produced	Ph.D. theses submitted	No. of students currently enrolled
English	Dr.Swapna Gopinath	-	-	-
	Dr.C.Ajayan	-	-	2
Hindi	Dr. S. Omana	2	-	-
	Dr. S. Prathapan	2	-	-
History	Dr. C.G. Usha	-	-	1
	Dr.Lekha.K.Nayar	-	-	5
	Dr.A.Shaji	-	-	8
	Dr.A.P.Greeshmalatha	-	-	2

	Dr.G.Sreenivasan	-	-	2
Political Science	Dr.L.Thulaseedharan	-	1	3
	Dr. P.S.Vijayanatharaj	2	-	2
Economics	Dr. Jameela V.A	-	-	-
Psychology	Dr.A.S.Raakhee	-	-	5
	Dr. Anjana R.	-	-	2
Chemistry	Dr.I.G.Shibi	-	-	3
	Dr.V.Bhagavathy	-	-	-
	Dr.S.Suma	5	-	5
	Dr.Reena Ravindran	2	-	5
Botany	Dr..Devipriya V	1	-	7
Zoology	Dr.S.Geetha	1	-	-
Geology	Dr.K.L.Vivekanandan	-	-	-

Table 3.2 Details of Ph.Ds. produced by the faculty

Supervising Teacher & Department	Ph.D. Awardee and Year of Award	Title of the thesis
Dr. S. Omana Hindi	Dr. Annama Daniel (2004)	<i>Mythili Sarana Gupth K Kavyom Mam Chithrith Nari Pathr : Ak Samaja Sasthriya Adayan</i>
	Dr. Suma S (2008)	<i>Prabakar Machve aur Vilasini (M K Menon) Ke Upanyasom meim Chethana Pravahi Pravarthiyam : Ek thulanatmak adyan</i>
Dr. S.Prathapan Hindi	Dr. Baby Girija G. (2006)	<i>Dr . Lakshminarayanlal ke Nadakommeim KranthiChethana</i>
	Dr.K. Lathakumari (2009)	Women Life as Depicted in the Novels of Contemporary Women Writers of Hindi
Dr. P.S.Vijaya natharaj Political Science	Dr. Lathakumary R. (2004)	Women and Politics with Special Reference to the New Voters of Kerala
	Dr. Krishnamma S. (2004)	Trade Unionism during Economic Liberalisation: A Case Study of Industrial Workers in Kerala
Dr.S. Suma Chemistry	Dr.Kala.U.L (2008)	Synthesis, Spectral and Magnetic Studies on Some Transition Metal Complexes
	Dr.Vasanthakumar M.S. (2011)	Synthesis, Characterization and Thermal Studies of Metal Complexes of Thiosemicarbazones of is Vanillin, Orthovanillin and Vanillin

	Dr.Jisha.K.R. (2012)	Metal Complexes of Biologically Active Molecules
	Dr. Anoop.M.R. (2013)	Metal Complexes of Thiosemicarbazones and Phenylbutazone
	Dr.Binil.P.Sasidharan (2014)	Transition Metal Complexes of Semicarbazones
Dr.Reena Ravindran Chemistry	Dr. Shiji Fazil (2014)	Studies of Some Metal Complexes of Pyrazolone Analogues
	Dr. Saraudevi A. (2014)	Studies on Some Metal Complexes of Multidentate Ligands
Dr.Devipriya V. Botany	Dr. Devipriya M.S.(2014)	Molecular Characterization and Systematic Studies on Selected Spp. of <i>Salacia</i> L.
Dr. S. Geetha Zoology	Dr. J. Sreeja (2010)	Studies on the biology of <i>Gerres filamentos</i>

Table 3.3 Details of current research students

Sl. No	Research Scholars	Topic
Dr.L.Thulaseedharan, Principal		
1	Sofia R.	Resistance of Hydal Dams in Kerala: A case Study of Athirapally, Pooyamkutty and Pathrakadavu.
2	Christin Solaman S.S.	Environmental and Social Dimensions of Backwater Tourism in Kerala.
3	Praveen Kumar T. K.	Globalisation and Issues of Labour in Special Economic Zone: A Study about Cochin Special Economic Zone.
4	Muhammed Shan	Globalisation and Consumerism in Urban Middleclass – A Study of Kochi
Dr. Ajayan C., Associate Professor English		
1	Arun Ravi	Negotiating Space: Polyphonic Sexuality in Select French and Hollywood Queer Movies
2	Indu R.	Hegemony and Counter Hegemony: Subaltern sensibilities in select Aboriginal Maori Movies
Dr. C.G. Usha, Associate Professor History		
1	Shibu T.	Dalit Movements in Kerala Since 1947
Dr. Lekha. K. Nayar, Associate Professor History		
1	Vivek Varghese	Historicizing Psychiatric Practices
2	Binnie Mathew	Second World War and Travancore: A Historical Interrogation
3	Bini T.K.	Historicizing Independent Travancore Imbroglio
4	Nikil M.C.	Conceptualizing Media Interventions in Dalit Agitations
5	Sreepriya S.P.	EMS Namboodiripad as a Historian- A Critical Re-reading
Dr A.P. Greeshmalatha, Associate Professor History		
1	Sanitha Beevi A.	Re-reading the Works of Sree Narayana Guru and its

		Reflections to the Present Society
2	Daisin R.	Re- reading of Kanikkars in Thiruvananthapuram District - A Quest from Tribalism to Modernity
Dr. G. Sreenivasan, Associate Professor History		
1	P. Sujeesh Kumar	Initiation and Assimilation of Homeopathy in Kerala: A Historical Interrogation
2	A.W. Godson	Historicizing the Activities of the London Missionary Society- Parashala and Social Change in South Travancore
Dr. A. Shaji, Associate Professor History		
1	Anish V.D.	Trade in Diplomacy in Kerala- A Study on European Trade Relations with Ali Rajas of Cannanore
2	Dibu Avirachan	Present Migration and its Ecological Transformation in Idukki District: A Historical Interrogation
3	Harikrishna Prasad	Industrialization- Growth and Modernity- the Travancore Experience (1800-1948 AD)
4	Thomas P.John	Situating the Malankara Syrian Catholics in the Socio-Political Milieu of Modern Kerala- 1930- 1994.
5	Sani K.P.	Relooking the Anti- British Agitation of Kurichiars of Wayanad
6	Umeshmani M.	Historicising the Malabar Special Police (1884-1956)
7	Koshy Mathai	Historicising the Activities of Marthoma
8	Sajeer S.	Social Forestry in Kerala: A Study in Historical Perspective
Dr. P.S. Vijayanatharaj, Associate Professor Political Science		
1	Ambika V.	Revolutionary Socialist Party and the Cashew and Fishing Communities in Kollam
2	Raziya Beegum M.	Violence against Women in Kerala: A Study of Jaagrittha Samithi
Dr.A.S.Raakhee, Assistant Professor Psychology		
1	Anitha Kumari	Psycho-social Problems of Deaf Adolescents
2	Mili.M.	Personality Style and Depression Among Type II Diabetes Patients
3	Kalarani K.S.	Psychosocial Correlates of Parenting Stress in Mothers with Autistic Children
4	Reema S.	Emotional Health, Stress Tolerance and Occupational Stress among Working Women
5	Athira Sreekumar	Geriatric Depression: A Retrospective Analysis
Dr. Anjana R., Assistant Professor Psychology		
1	Merin Stanly	Effect of Parenting Style on the Quality of Life, Self-esteem and Negativism among Adolescents
2	Sijin K.S.	Perceived Stress, Quality of Life and Self-esteem among Children of Alcoholics and Non-alcoholics: A Comparative Study
Dr. I. G. Shibi, Associate Professor Chemistry		
1	Jisha R.S.	Physico-chemical and <i>In silico</i> Analysis of Some Traditional Indian Medicines

2	Jaikumar S.	Physico-chemical and <i>In silico</i> Analysis for Evaluating the Druggability of Some Ayurveda and Siddha Medicinal Preparations
3	Aswathy L.	Analytical and Computational Methods to Validate Some Traditional Indian Medicines

Dr. S. Suma, Associate Professor Chemistry

1	Asha A.	Metal Complexes of Schiff Bases
2	Binimol Mary Mathew	Preparation, Characterization and Structural Studies of Some Lewis Acid-Base Adducts and Cocrystals
3	Suji C.S.	Crystal Growth and Structural Studies Of Metal Complexes for Technological Applications
4	Reshmi Jaya Raveendran	Studies on Metal Complexes of Pyrazolone Derivatives
5	Jiju.KR.	Metal complexes of imidazole and hydrazones

Dr.Reena Ravindran , Associate Professor Chemistry

1	Bijili B.K.	Studies on Metal Complexes of Some ONS Donor Ligands
2	Minitha R.	Synthesis and Characterization of Metal Complexes of Hydrazones
3	Arulja J. Mohan	Studies on Some Metal Complexes of N-Heterocyclic Compounds for Photo-physical Applications
4	Divya Mohan	Synthesis, Structural Characterization and Photo-physical Studies of Some Metal Complexes of Heterocyclic Azo Dyes.
5	Roshni Thomas	Studies on Spectral and Structural Aspects of Metal Complexes of Hydrazones

Dr. Devipriya V., Associate Professor Botany

1	Dhanya C.	Comparative Systematics of Two Solanaceous Genera- <i>Datura</i> Linn and <i>Brugmansia</i> Pers.
2	Smitha S. Nair	Analysis of Intraspecific Variations in <i>Jasminum sambac</i> (L.) Ait.
3	Regy Yohannan	A Comprehensive Systematic Study of the Genus <i>Jasminum</i> L. from Kerala
4	Nirmala Jeyarani	Molecular Characterization and Screening of Molecular Markers
5	Thushara. T.	Systematic Studies on the Genus <i>Thubergia</i> Retz. from Kerala
6	Atheena Suseelan	Systematic Studies on the Genus <i>Spermacoce</i> L. from Kerala
7	Raji.S.Nair	Analysis of Interspecific Variations in the Genus <i>Leea</i> D. Royen ex L. from Kerala

Five faculty members have completed major research projects with an outlay of 49.90 lakhs. Twenty three minor research projects funded by UGC with an outlay of 15.99 lakhs have also been completed. In addition to this, the college has ten ongoing minor research projects funded by UGC with an outlay of 14.69 lakhs. The details of the projects are shown separately as response to 3.2.7 in Tables 3.6, 3.7 and 3.8 respectively.

3.1.6 Give details of workshops/ training programs/ sensitization programs conducted/organized by the institution with focus on capacity building in terms of research and imbibing research culture among the staff and students.

The college conducts various programmes under the auspices of IQAC, Research Committee, Academic Committee and various departments and clubs to improve the research facilities and research culture of the institution. Exposure workshops are organised for faculty on various sources of project funding and how to write project proposals. The faculty and research scholars are also made familiar with data search, library services, research methodology and computational software tools.

Table 3.4 Details of workshops, training programmes/seminars organized by the institution

Sl. No.	Programme organised	Resource Person	Date
1.	Workshop on Field Taxonomy for College Teachers and Research Scholars	Dr. P.S. Udayan, Sree Krishan College, Guruvayoor	29-11-2014
2.	Exhibition on Plant Science Research & Homestead Farming	In collaboration with JNTBGRI, CTCRI & Farming Research Station, Kottarakkara	28-11-2014
3.	One-Day Seminar on Forest Resources of Kerala and their Conservation	Dr. Pramod G. Krishnan IFS, CF, Plakkad Division & Dr. Amitha Bachan, Director, Western Ghats Hornbill Foundation	27-11-2014
4.	One day Training course on Mushroom Cultivation	Mr. Ajay K., Surya Agrotech	26-11-2014
5.	Interactive Seminar by students and slide show of Mangalyam (MOM)	Staff of Department of Physics in collaboration Departments of Chemistry and Geology	25-09-2014
6.	Different Lighting Sources and Different Renewable Energy Sources	Dr. Premlet, Associate Professor, TKM College of Engineering, Kollam	20-08-2014
7.	Training Programme on Scifinder	Miss.Sherin Mary Samji, SciFinder, American Chemical Society,SCI-EDGE Information, Pune	17-07-2014
8.	Seminar cum Workshop on Microscale Analysis	Dr.S.Murugan, Former Head Department of Chemistry, S.T Hindu College, Nagercoil	08-07-2014
9.	Interactive session with	Ershad Abubacker, Royal Society	26-06-2014

	PG students, research scholars and faculty	of Chemistry	
10.	Field Geology	Sri.M.P.Muraleedharan, Former Deputy Director General, Geological Survey of India	21-03-2014
11.	Lifestyle Diseases and their Preventive Measures	Dr.Indu.P.S., Additional Professor, Department of Community Medicine, Government Medical College, Thiruvananthapuram	20-03-2014
12.	Young Entrepreneurs	Dr. K.I. George, Associate Professor of Commerce, Mar Ivanios College, Thiruvananthapuram	20-03-2014
13.	Some Enticing Aspects of Chemistry	Dr. M.S. Suseelan, Former Principal, Government College, Attingal	20-03-2014
14.	Concept of Wellness	Lt. (Dr.) G.P. Sudheer, Associate Professor of Physical Education, Christian College, Kattakkada, Thiruvananthapuram	20-03-2014
15.	Why Conserve Biodiversity?	Dr.Parvathy Menon, HOD, Department of Botany, NSS College for Women, Thiruvananthapuram	19-03-2014
16.	The Trajectory of the Emerging Global Order	Dr. K.C. Sreekumar, Professor, NSS Law College, Kottiyam	19-03-2014
17.	Lasers and its Applications in Material Processing	Dr. Sudheer S.K., Assistant Professor, Department of Optoelectronics, University of Kerala	19-03-2014
18.	Talk on <i>Daivadasakam</i> written by Sree Narayana Guru, conducted by the Sree Narayana Study Centre	Sri. Dharmachaithanya Swamikal, Adwaitha Asramam, Kottayam.	18-03-2014
19.	Films and Culture	Dr. Meena T Pillai, Institute of English, University of Kerala	18-03-2014
20.	Myth, Memory and Locality: Writing History at Micro Level	Dr.Muhammed Maheen, Head, Department of History, University of Calicut	18-03-2014
21.	Fibonacci Series	Dr.M.S. Anilkumar, Associate Professor, VTMNSS College, Dhanuvachapuram	18-03-2014
22.	Current Macroeconomic Scenario	Mr. Salim Gangadharan, Former Regional Director, Reserve Bank of India, Thiruvananthapuram & Lakshadweep	17-03-2014
23.	Introduction to CBT	Dr.L.R. Madhujan, Clinical Psychologist & Director, Karuna Sai Psychopark, Vellanadu	17-03-2014

24.	Fostering Scientific Temper	Dr. Krishnan Sivasubramoney, Associate Professor of Psychiatry, Medical College, Thiruvananthapuram .	28-02-2014
25.	Perspectives of Quantum Chemistry	Dr.E.G.Jayasree, Department of Chemistry, IISER, Thiruvananthapuram	27-03-2013
26.	Nanotechnology	Dr.K.C.Gopchandran, Assistant Professor, Department of Optoelectronics, University of Kerala	27-3-2013
27.	Economic Philosophy of Migration and In-migration in Kerala	Dr.K.C.Baiju, Associate Professor, Department of Economics, Central University, Kasargode	26-03-2013
28.	Natural Hazards	Dr.Sajinkumar.K.S., Assistant Professor, Department of Geology, University of Kerala	26-03-2013
29.	Revitalising Women Power	Smt. Lida Jacob. IAS, Commission for Right to Education Act, Kerala	25-03-2013
30.	Disruptive behaviour- A Forensic Psychological Discourse	Dr.C.Jayan, Professor, Department of Psychology, University of Calicut	25-03-2013
31.	Programming Techniques in Laxus and Python	Sri.Sumesh.S.S., Assistant Professor, Department of Mathematics, St.John's College, Anchal	23-03-2013
32.	Geo-Archaeological investigations in Kerala since 1974	Dr.P.Rajendran, Archaeologist and UGC Scientist, University of Kerala	22-03-2013
33.	Culture Studies	Dr.P.P.Ajayakumar, Professor, Department of English, Institute of Distance Education, University of Kerala.	22-03-2013
34.	Emerging Trends in Business Education	Dr. K.Sreeranganathan, Director, School of Management, M.G.University	21-03-2013
35.	Corruption and Anti-Corruption- How do our Perceptions Determine the Solutions?	Dr.Biju.BL, Associate professor, Dept. of Political Science, Hyderabad Central University	21-03-2013
36.	Ornamental Fish Keeping and Aquarium Management	Dr.C.Shambu, King Abdul Azeez University, Saudi Arabia	19-03-2013
37.	A lecture on Cyber Crimes	Sri. Vinayakumaran Nair, D.Y.S.P, High-Tech Cell, Kerala Police.	13-03-2013
38.	Role of Youth in Nation Building	Dr. M. Beena I.A.S, State Mission Director, National Rural health	18-02-2013

		Mission, Thiruvananthapuram	
39.	Mental Health Awareness	Dr.Nazeer, Department of Psychiatry, Medical College, Thiruvananthapuram	12-09-2012
40.	International Seminar on World Bio-heritage Concerns over Climate Change, with a Special Reference to Ethnic Vegetables	Dr.Datuk Seri Lim Chong, Former Chairman, Forest Research Institute, Malaysia, Dr. M.K.Janarthanam, University of Goa, Dr.N. Sasidharan, KFRI, Peechi, Dr.N.Jayabalan, Bharathidasan University, Tiruchirappalli, Tamilnadu, Dr.A.G. Pandurangan, JNTBGRI	07-09-2012 to 08-09-2012
41.	Information Technology in Business	Dr.K.I. George, Mar Ivanios College, Thiruvananthapuram	24-02-2012
42.	Environmental Aspects of Mining-Geological Perspective	Sri. Manoj E.V., Department of Geology, University College, Thiruvananthapuram	22-02-2012
43.	Role of Youth in the Protection of Human Rights	Justice J.B. Koshy, Chairman, State Human Rights Commission	16-02-2012
44.	Seminar in collaboration with Nuclear Power station, Koodankulam	Shri. Soman Thomas, Additional Chief Engineer, Design & Public Awareness Chairman, Sri V.P. Sunil, Senior Commissioning Engineer	30-01-2012
45.	Astronomy	Dr.Mary Mettilda Rose, HOD, Department of Maths, All Saints College, Thiruvananthapuram	23-01-2012
46.	Fascinations of Biodiversity Research	Dr.A.Bijukumar, HOD, Department of Aquatic Biology & Fisheries, University of Kerala.	19-01-2012
47.	20 years of Economic Reforms in India	Dr.M.K. Saralamma, HOD, Dept. of Economics, University of Kerala, Kariavattom.	17-01-2012
48.	Corruption and Civil Society in India	Padmasree Prof.N.R. Madhava Menon	13-01-2012
49.	Media Communication and Literature	Sebin Iqbal, Senior Editor, Business India	06-01-2012
50.	Biodiversity of Western Ghats	Dr.N.Mohanan, Scientist, JNTBGRI, Palode	20-12-2011
51.	Holistic Parapsychology	Dr.V.George Mathew, former HOD, Department of Psychology, University of Kerala, Kariavattom	19-12-2011
52.	UGC sponsored National Seminar on Green Chemistry	Prof.R.K. Sharma, University of Delhi, Dr.Sureshchandra Kumar of Scott Christian College, Nagercoil	15-12-2011 to 16-12-2011
53.	Cheras of Mahodayapuram	Dr.T.P.Sankarakutty Nair, HOD (Retd), University College, Thiruvananthapuram	13-12-2011

54.	Psycho-social and Pathological Problems of Adolescence	Dr.M.K.C. Nair, Director, CDC, Medical College, Thiruvananthapuram	12-12-2011
55.	Tsunami and Earthquakes	Dr. Rajeshwara Rao, Professor, Department of Applied Geology, Anna University	14-01-2011
56.	National Seminar on E-Governance: Opportunities and Challenges	Dr.Achut Sanker S. Nair, Director, Department of Bioinformatics, Unbersity of Kerala	14-12-2010 to 15-12-2010
57.	Slope Processes	Dr.S.Sreekumar, Associate Professor of Geology, Christ College, Irinjalakkuda	14-11-2010
58.	Oil Exploration: Development and Exploitation in India	Srihari Sarangan of GMB (Scientist C) and Saji, Well-Site Geologist of the Geoservices, based on Muscat	03-08- 2010
59.	National Workshop on Structure and Ligand Based Drug Design	Raghu Rangaswamy, Schrodinger Inc. Bangalore, Dr. UCA Jaleel, CSIR-OSDD unit, Indian Institute of Science, Bangalore.	06-05-2010 to 07-05-2010
60.	<i>In Silico</i> Drug Design	Dr. UC. Abdul Jaleel, HOD of Cheminformatics, Malabar Christian College, Calicut	20-11-2009
61.	Sports Psychology	Dr.S.Sureshkutty, Reader, Department of Physical Education, University of Kannur	19-11-2009
62.	Maps	Dr. PK. Rajendran Nair, Former HOD, Department of Geology, University of Kerala	16-11-2009
63.	Application of Remote Sensing and GIS in Geology	Smt.V.Ambili, Senior Geologist, Geological Survey of India.	16-11-2009
64.	The Study of Lunar Motions	Dr.S.Madhavan Former Professor and HOD, Department of Mathematics, University college, Thiruvananthapuram	13-11-2009
65.	Youth and Crime, Trends and Issues	Dr. James Vadakkumchery Criminologist, Faculty, State Police Training College	12-11-2009
66.	Health Awareness Impact of Modern Food Habits on Health	Dr.CR.Soman, Chairman, Health Action by People, Thiruvananthapuram	11-11-2009
67.	Banking Technology Products	Shri.R.Thulasinarayanan, Manager, Local Head Office, SBI	10-11-2009
68.	Current Socio-Political Scenario in India- with Special Reference to Kerala- an Overview	Dr. PJ. Alexander. IPS, Former Director, IMG	09-11-2009
69.	Introduction to Nano Materials	Dr. V.Biju, Department of Physics, University of Kerala	06-11-2009

70.	Physics Lab- the Phoenix Approach	Dr. M.Sankara Sarma, Department of Physics, University of Kerala	06-11-2009
71.	The Fascinating World of Microbes and Microbial Biotechnology	Dr. A.Sabu, Scientific Officer, Kerala Biotechnology Commission	05-11-2009
72.	Reproductive Strategies in Higher Plants	Dr.PM.Radhamony,Reader, Department of Botany, University of Kerala	05-11-2009
73.	Creative Writing	Dr. Alexander Jacob. IPS., Additional Director General of Police	04-11-2009
74.	Post War British Fiction	Dr. Kalyani Valliyath, Director, Valliyath's Total English Solutions	04-11-2009
75.	Appropriating Specificities- Constrictions of Available Historiographies	Dr. MM. Khan, Faculty, Dept. of History, Govt Women's College, Thiruvananthapuram	03-11-2009
76.	Recent Trends in Banking	Prof. S. Kevin, Professor, IDE and former Pro-Vice Chancellor, University of Kerala	02-11-2009
77.	Para Psychology	Dr. V. George Mathew, Former Professor and HOD, Department of Psychology University of Kerala	30-10-2009
78.	Skills in Applied Psychology	Fr. Sebastian Chamathara, Former HoD, Department of Psychology, KE College, Kottayam	30-10-2009
79.	The Kerala Khondalite Belt	Dr. M.M. Nair, Deputy Director General, Geological Survey of India, Thiruvananthapuram	22-10-2009
80.	State Level Workshop on Organic Spectroscopy	Dr. Jayakumar G. Principal, MMNSS College, Kottiyam	28-03-2009
81.	Methodology in Physics	Dr.T.E. Girish, Associate Professor, Department of Physics, University College, Thiruvananthapuram	28-03-2009

3.1.7 Provide details of prioritised research areas and the expertise available with the Institution.

The faculty members have expertise in many frontier areas of knowledge and are active in disseminating their expertise among academic community and for societal needs. The capabilities are in a range of fields which are of contemporary significance. The Table 3.5 provides the expertise available to the faculty members.

Table 3.5 Prioritized research areas and the expertise available with the institution

Sl. No.	Name of the Faculty	Department	Areas of Expertise
1.	Dr. B. Mini Anand	English	Socio-linguistics
2.	Dr. Roshni C.	English	Linguistics
3.	Dr. Manu Remakant	English	Adaptation
4.	Dr. Swapna Gopinath	English	Culture Studies. Gender Studies, Film Studies
5.	Dr. S. Girija Kumari	Malayalam	Sociological Criticism
6.	Dr. Mahesh S.	Hindi	Computational Linguistics
7.	Dr. Lekha K Nayar	History	Modern Period
8.	Dr. A.P. Greeshmalatha	History	Early Medieval Kerala
9.	Dr. Praseetha N.C.	History	Social History of India
10.	Dr. G.Sreenivasan	History	Social History
11.	Dr. A.Shaji	History	Social History of Modern Kerala
12.	Dr. S.R. Saritha	History	Economic History of India
13.	Dr. L. Thulaseedharan	Political Science	International Politics
14.	Dr. P.S.Vijayanatharaj	Political Science	Election Studies, Women Studies & Human Rights
15.	Sri. Sreenish. T.V.	Political Science	Indian Politics
16.	Dr. Jameela V.A.	Economics	Women Studies, Micro-credit
17.	Dr. Vinod C. Sugathan	Economics	Tourism
18.	Dr. J.S. Nishima	Psychology	Clinical Psychology
19.	Dr. A.S.Raakhee.	Psychology	Social Psychology and Developmental Psychology
20.	Dr. Aravind Thampi	Psychology	Organizational Behaviour & Adolescence
21.	Dr. Anjana.R.	Psychology	Indian Psychology
22.	Dr. Ajilal P.	Psychology	Personality and Organisational Behaviour
23.	Dr. Uthara Soman	Sociology	Gender Studies
24.	Dr. P.V. Ajith	Mathematics	Topological Semi-groups
25.	Smt. Anjana V.	Statistics	Financial Time Series
26.	Dr. G. Lillybai	Physics	Material Science Study
27.	Dr. D. Beena	Physics	Spectroscopy
28.	Dr. C.R. Kalakumari	Chemistry	Coordination Chemistry
29.	Dr. K.P Jayasree	Chemistry	Chemical Kinetics
30.	Dr. T. Suresh	Chemistry	Thermal Studies
31.	Dr. R. Revamma	Chemistry	Biochemistry
32.	Dr. I.G. Shibi	Chemistry	Computer Aided Drug Design, Chem-informatics, Chemistry Traditional Medicines, Adsorption.
33.	Dr. K.Vijayakumar	Chemistry	Thermal Studies
34.	Dr. V.Bhagavathy	Chemistry	Analytical Chemistry
35.	Dr. S.Suma	Chemistry	Coordination Chemistry, Crystal Growth of NLOmaterials, Development of Co crystals for Pharmaceutical Applications
36.	Dr. Reena Ravindran	Chemistry	Coordination Chemistry, X-ray

			Diffraction Studies of Single Crystals
37.	Dr. Suma B.S	Botany	Algae
38.	Dr. Devipriya V.	Botany	Angiosperm Systematics
39.	Dr. K.R.Kavitha	Botany	Cytotaxonomy, Irradiation studies
40.	Dr. Kiron Vasudevan	Zoology	Aquaculture
41.	Dr. S. Geetha	Zoology	Aquatic biology & Fisheries
42.	Dr. K.L. Vivekanandan	Geology	Sedimentology
43.	Dr. S.S. Biju	Physical Education	Sports Management
44	Dr.M.J.Manoj	Physical Education	Exercise Physiology

3.1.8 Enumerate the efforts of the institution in attracting researchers of eminence to visit the campus and interact with teachers and students?

The institution always invites eminent scholars, researchers and experts, and their interaction with our faculty has been pivotal in attracting them to our college. The college encourages our faculty to apprise them about the quality of our scholarship, our devotion and commitment to the progression of our knowledge and its fair dissemination, state-of-the-art infrastructure, the research culture that strongly prevalent in the college, the high quality of our research and PG departments, the number of research programmes undertaken by the faculty, the number of research publications, the number of scholars working under research guides on ambitious topics in the frontier areas and the great enthusiasm that our faculty shows in the emerging areas of knowledge are motivations to the researchers of eminence to visit our campus and interact with the students and faculty. The disciplined behaviour, keen attractiveness, lively interactions and agility of our students also attract them to our campus.

3.1.9 What percentage of the faculty has utilized Sabbatical Leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?

During the last five years, 10.6 % of the faculty members have made use of the sabbatical leave provision under the Faculty Development Programme of UGC for completing Ph.D. work. This has helped the institution to increase the percentage of teachers with Ph.D. They on their return are encouraged to explain their positive research experiences so as to motivate the students to develop an earnest interest in research activities. They manifest their capability to guide student project works in innovative areas and to employ new techniques. This has contributed to the improvement in the quality of research and strengthened the research culture among the students.

Many of such members of faculty have taken up minor research projects. As Conveners of Club activities they have demonstrated sophisticated skill in guiding the students through novel techniques of execution. There has been a marked increase in our faculty being invited as resource persons in regional, national and international fora.

3.1.10 Provide details of the initiatives taken up by the institution in creating awareness/advocating/transfer of relative findings of research of the institution and elsewhere to students and community (lab to land)

The college has taken several initiatives in creating awareness/encouraging/transfer of relative findings of research of the institution and elsewhere to students and community. They include the following:

- ❖ Publications – Articles in peer-reviewed journals, books and book chapters
- ❖ Articles in newspapers, regional periodicals
- ❖ Talks and discussions over All India Radio and visual media
- ❖ Exhibiting video clippings on the outcome of relevant research conducted at various institutions
- ❖ Faculty members and researchers presenting papers in international/national/regional conferences, seminars and workshops
- ❖ The Annual Seminar Series Spectrum organised by the college provides a chance for the faculty and research scholars to present their research findings

3.2 Resource Mobilization for Research

3.2.1 What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization.

The college spends only the fund received from various sources like UGC, DST, Kerala State Council for Science, Technology and Environment and Kerala Council of Historical Research, for research. Therefore the college does not earmark an exclusive budget for research activities. Partial assistance from PTA is also beneficial for the improvement of research facilities.

3.2.2 Is there a provision in the institution to provide seed money to the faculty for research? If so, specify the amount disbursed and the percentage of the faculty that has availed the facility in the last four years?

The institution does not have a provision for granting seed money to the faculty from the resources of the institution. But our institution provides all research facilities, time off, decrease in workload and sabbatical leave for the conduct of research. Teachers deputed for FDP are assisted by the college in timely disbursement of their salary and other allowances. The college promptly appoints qualified hands in the deputation-vacancy and sees that they are paid in time as per the provisions of the UGC.

3.2.3 What are the financial provisions made available to support student research projects by students?

The following financial provisions are made available to support student research projects:

- ❖ Sharing the facilities procured through Major and Minor projects for research projects of UG and PG students
- ❖ Students are provided free of cost instrumental, computer and reprographic facilities for completing their project works
- ❖ Students are permitted to download e-resources from computers available in the departments and libraries, free of cost
- ❖ Some of the students are given opportunity to share the regular research work of the faculty and they are adequately rewarded for the service they deliver
- ❖ Our students carry out research in some external centres with their financial support
- ❖ The college has arranged financial support from CSIR to student research
- ❖ Several institutions provide scholarships to our students for research projects

3.2.4 How does the various departments/units/staff of the institute interact in undertaking inter-disciplinary research? Cite examples of successful endeavours and challenges faced in organizing interdisciplinary research.

The institute promotes the culture of inter-disciplinary research. In undertaking interdisciplinary research, the faculty brings together the strength of the department and the competence of the respective faculty, complementing subject scholarship with research competence. In joint researches, the concerned researchers work on the proposal together and share between them the data collection, training of the investigators, and analysis.

Dr.K.L. Vivekanandan of the Department of Geology, has developed an Interactive CD, Manavalakurichi Placer Information System (MAPIS) which includes the details regarding the various features of minerals like Ilmenite, Monazite, etc. It can be easily accessed by any researcher with other subject background knowledge. He has also presented a paper in an international conference in Sweden. He presented his own concept that the metaphor, a purely cultural signifier, develops through the geological time scale, which was well appreciated by the international community. This has multifarious applicability.

The research of Dr. G Hariprakash of the Department of Mathematics was on Fuzzy Logic, an area of interdisciplinary relevance. The theory has utility significance in all areas of knowledge. In the research he got conceptual contributions from different departments which drew reciprocal benefits. For instance, the conceptual interaction with Dr. Hariprakash helped Dr. I. G. Shibi, Department of Chemistry in formulating new artificial intelligence techniques in the field of Computer Aided Drug Design. Dr. Hariprakash could get new ideas about the role of Fuzzy logic in Chemistry.

The research of Dr. I.G. Shibi in the field of traditional Medicinal Chemistry could unravel the basic chemical secrets of the potential Siddha medicines in the cure of ailments. Such research experiences of Dr. I.G. Shibi have been motivating spirit behind writing a book about the *Chemistry of Siddha Medicine* co-authored with Dr. K. Jagannathan a practicing Siddha physician. He has also published a book which is an indepth study on Green Chemistry. The book elucidates that the misuse of chemistry endangers the

environment and highlights the relevance of Green Chemistry which provides various methods to overcome environmental depletions.

Dr. I.G. Shibi has been the expert-coordinator of the National Institute for Interdisciplinary Science and Technology (NIIST), and CSIR programme for postgraduate students of Chemistry in the state to be the part of a global effort to develop affordable drugs for tropical infectious diseases. The students from twenty colleges have synthesized around hundred compounds with the potential to be developed as drugs for diseases like tuberculosis and malaria.

Dr. Mahesh S of the Department of Hindi has undertaken a minor project on Computational Linguistics. In the work he analyses the adaptability of Hindi language to Computational Mathematics. The objective of the attempt is to facilitate an easy means to prepare Hindi language for computational programming. The intended end result is the automatic reception of the impeccable Hindi version of discourses in any other language.

The Departments of Sociology and Psychology jointly undertake community extension research work on socio-psychological issues and related topics.

The Research Committee conducts interdisciplinary meeting for their mutual sharing of research experiences and to explore the possibilities of interdisciplinary research in novel areas. The research facilities of each department are shared with research students and faculty researchers of various departments. This could create opportunities for formulating interdisciplinary programmes and also enhance the effective sharing of knowledge. The main challenges that the institution faces are:

- * Lack of interdisciplinary motivating curriculum contents in PG programmes
- * The teaching-learning-assessment processes cram the semester schedules from dissuading the faculty and students from breaching the hard shell of the intra-disciplinary mindset.

3.2.5 How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?

The research facilities of the departments are shared with research students and faculty researchers of various departments. This could create opportunities for formulating interdisciplinary programmes and also could enhance the effective sharing of knowledge.

- ❖ The wet laboratories, computer labs and library of the college maintain a register to check the daily walk-ins. This is maintained separately for PG students, research scholars and faculty members. The respective tutors and research guides verify and countersign the same periodically.
- ❖ Periodic stock verification is carried out and the defaults and deficiencies are reported to the higher authorities in time.
- ❖ Breakage of equipment if any due to mishandling is fined reasonably.
- ❖ All the faculty and research scholars use the physical facilities such as cabins and reading corner.
- ❖ Mini Seminar Hall is used for weekly meetings of the research scholars and for the interactions and discussions among the research scholars.

3.2.6 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If 'yes' give details.

As our institution is an aided college offering courses in basic sciences, social sciences, humanities and languages, we have not so far received any special grants from industry or other beneficiary agencies for solely developing research facilities in the college. However, our institution has received finance from various agencies for improving the research facilities. The Department of Chemistry received DST-FIST support. We are getting the support from industries like Hindustan Latex Limited (HLL) and English Indian Clays for carrying out the project work of our students which benefits them also. An MoU is now signed with HLL for doing project work of students. We are exploring opportunities to obtain funds from industries for our research.

3.2.7 Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organizations. Provide details of ongoing and completed projects and grants received during the last four years.

The college provides all necessary support to the faculty in acquiring research funds. The college approves and forwards the research proposals promptly. The college issues the mid-term and utilization certificates on time.

The Tables 3.6, 3.7 and 3.8 give details of on-going and completed projects and the grants received during the last four years.

Table 3.6 Details of completed Major Research Projects

Sl. No	Principal Investigator/ Department	Title of Project & funding agency	Duration From - To	Total Grant in Lakhs
1	Dr. C.Ajayan English	Metaphors of Rebellion : Dalit Literature of South India (UGC)	2011-2013	7.20
2	Dr. A.Shaji History	Alcoholism in Kerala, (UGC)	2011-2013	7.20
3	Dr. I.G.Shibi Chemistry	Physico chemical Characterization and Evaluation of Metal Based Siddha Medicines, (UGC)	2009-2012	7.16
4	Dr..Devipriya V. Botany	Biosystematic studies in the genus <i>Jasminum</i> Linn, (UGC)	2007-2010	8.14
5	Dr. K.R.Kavitha Botany	Utilization of low cost natural product through electron beam induced polymerization techniques, (DAE)	2008-2012	20.20
Total Amount				49.90

Table: 3.7 Details of completed UGC Minor Research Projects

Sl. No.	Principal Investigator/ Department	Title of Project	Duration From - To	Total Grant
1	Dr.T.R.Latha English	Immigrant Sensibility in Rohinton Mistry's Writings – A study	2011-2013	1.00
2	Dr.Swapna Gopinath English	Establishing Hegemonic Ideology through Advertisements: The Indian Scenario	2011-2012	1.20
3	Dr. A.P. Greeshmalatha History	Indigenous Craft, Art, Technology, Relative Customs and Tradition – A Case Study of Aranmula	2009-2011	0.60
4	Dr. P. Sivadasan History	Combating Communalism and Casteism: Misrabhojanam (Inter Dining) and the secular public space in modern Keralam – 1960 - 1947	2009-2011	0.60
5	Dr.G.Sreenivasan History	Social Mobility; Subaltern Strategies: Honorific Titles and Social Elevation among the "Avarnas" in Travancore	2007-2009	0.40
6	Dr.A.Shaji History	Conversion Movement in Kerala	2007-2009	0.40
7	Dr.A.Sushama devi Political Science	Empowerment of Women through Panchayat Raj Institutions in Kerala	2007-2009	0.50
8	Dr.A.Sushama devi Political Science	Empowerment of Women in a Globalised Society-The Study of Micro-finance Project of Sree Narayana Dharma Paripalana Yogam in Kerala	2009-2011	0.65
9	Dr.Jameela V.A Economics	Micro-credit and Women Empowerment: A Case Study	2007-2009	0.69
10	Dr.Vinod.C. Sugathan Economics	Ecotourism and Local Population in Kerala.	2009-2011	0.25
11	Dr.P.V.Ajith Mathematics	Intuitionistic Fuzzy Congruence for a Topological Semi-group	2008-2010	0.50
12	Dr.Sreeletha.S Physics	Investigation of Source Regions and Generation Mechanisms of Short Period Gravity Waves in the Low Latitude Troposphere Using Indian MST Radar	2007-2009	0.60
13	Sri.T.N. Manoharan Chemistry	Validity of Refutas Equation to Ideal and Nonideal Mixtures.	2009-2011	0.60

14	Dr.P.K. Viswanathan Chemistry	Phytochemical Studies on the Plant <i>Poppa beddomei</i>	2008-2010	0.45
15	Dr. I.G.Shibi Chemistry	Modified Banana Stalk for the Removal of Some Orange Dyes from Aqueous Solution – Evaluation of Kinetic and Thermodynamic Parameters.	2009-2011	0.60
16	Dr.R. Revamma Chemistry	Pasting and Rheological Properties of Cassava Starch in Presence of Added Chemicals.	2007-2009	0.85
17	Dr. T.Suresh Chemistry	Studies on the Chemical Changes of Red Plumbago in Ayurvedic Medicinal Preparations.	2009-2011	0.90
18	Dr. S.Suma Chemistry	Synthesis and Characterisation of Non-Linear Optical Metal Complexes of Amino Acids	2005-2007	0.55
19	Dr.Reena Ravindran Chemistry	Synthesis and Characterisation of Metal Complexes of Hydrazones	2005-2007	0.25
20	Smt.Sathee Devi.P Botany	Cytology of the Endosperm of Barren Coconuts.	2009-2011	0.70
21	Dr.S.Anilkumar Botany	Revision of the Genus <i>Amaranthus</i> in Kerala	2009-2011	0.5
22	Dr.M.K.Manilal Commerce	Textile industry in the Public Sector in Kerala	2009-2011	0.5
23	Dr. Biju S.S Physical Education	A Critical Analysis of the Postural Status and Postural Deviation among CBSE Higher School Boys of Trivandrum City	2011-2013	0.45
Total Amount				15.99

Table 3.8 Details of on-going UGC Minor Research Projects

Sl. No.	Principal Investigator/ Department	Title of the project	Durati on From	Grant Sancti oned	Grant Receiv ed
1	Dr. Mahesh S. Hindi	Hindi Adhyayan Adhyapan Ke Sandharbh Mem Ganana Moolak Bhasha Vignan (Computational Linguistics) Ek Adhyayan	2014 -	1.45	1.10
2	Sri.Sreenish T.V., Political Science	Impact of Non Timber Forest Products (NTFPs) on the Socio-Economic Condition of Kanikkar Life's. A Study among Kanikkar at Agasthymala Forest Region	2014 -	0.89	0.665
3	Dr.Ajilal P. Psychology	Factors Influencing Increased Alcoholism and Mental Illnesses among Adivasis (Tribals) of Kerala	2014 -	1.05	0.62

and Remedial Measures					
4	Dr.Uthara Soman Sociology	Social and Psychological Dimensions of Orphanage Inmates: A Study Conducted in Sree Chitra Poor Home, Thiruvananthapuram	2014 -	1.3	1.05
5	Smt.Anjana V., Statistics	Shock Detection in Stock Exchange	2014-	1.10	0.65
6	Dr.K. Kochunarayanan Physics	Preparation and Characterization of Dye Sensitized Silver Halide Holographic Recording Materials	2014-	2.00	1.45
7	Dr.I.G.Shibi Chemistry	Physico-chemical Characterization of Some Metal Based Traditional Medicines	2014 -	2.5	1.20
8	Dr.S.Suma Chemistry	Lewis Adducts, Cocrystals and its Metal Complexes-Molecular Engineering, Structural Studies and Screening for Pharmaceutical Applications	2014 -	1.50	0.90
9.	Dr.Reena Ravindran Chemistry	Studies on Metal-Organic Frame Works of Some Heterocyclic Compounds	2013 -	1.30	0.75
10	Dr.Devipriya V., Botany	Microstructural Analysis of Pollen and Genetic Diversity Study in Species of <i>Jasminum</i> L. from Kerala Using RAPD Markers	2014 -	1.60	1.25

3.3 Infrastructure for Research

3.3.1 What are the research facilities available to the students and research scholars within the campus?

The research facilities available to the students and research scholars within the campus are :

- ❖ There are 21 research guides in our college, guiding a total of 53 research scholars.
- ❖ The Departments of Chemistry and History are recognized Research Centres of the University of Kerala. Both the centres have research guides, four and five respectively. They have altogether 14 research scholars and separate work space is provided for them.
- ❖ The library facilities include collection of books, books classified and retrieved using the OPAC of an integrated library automation package, a rich collection of periodicals-general as well as subject-wise-, server computer-LAN with 10 computers in the library hall, Internet connectivity and access to online Journals-INFLIBNET.
- ❖ Computer Lab Facilities: The research scholars are provided with lab facilities with Internet connectivity. Individual computers are provided to each department for exclusive research purpose.

- ❖ Sophisticated instruments like FTIR, UV-Vis. Spectrophotometers, Polorograph etc. are available in the Department of Chemistry.
- ❖ Research Committee organizes common presentations at various stages of the students' project work and monitors the progress.
- ❖ Orientation classes on conducted on Research and Methodology Workshops.
- ❖ Accommodation facilities are available for women researchers
- ❖ Research Forum for the doctoral students: The Forum is constituted for providing venues to discuss and find out ways to overcome the challenges, related to the facilities and the infrastructure, faced by research scholars. The Forum collects data about seminar papers, research papers, etc. in relevant fields so that scholars can access them easily. The Forum meets once in a month.
- ❖ Periodic meeting of the supervising teachers and research scholars coordinates the research-related activities among the scholars. It also helps the research scholars to attend seminars and present papers.
- ❖ Pre-submission presentation: The research scholars are given opportunity to make a pre-submission presentation of their Ph.D. work before the open defence. In all such presentations the students, research scholars and the faculty members are present.
- ❖ Participation in defence viva of other research scholars: Both the students and research scholars are given opportunity to attend the open defence of other research scholars.
- ❖ A Research Journal, *Logos*, published by the college, is an excellent platform for publishing research articles.

3.3.2 What are the institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?

For the continuous augmentation of our facilities the college has a well-formed strategy. To fulfil the requirements of introduction and transaction of the curriculum in the novel emerging areas, the college always maintains scope for accommodation of additional infrastructure. We create the infrastructure with the support of the UGC, the management, PTA and the state government. Need based, periodic upgradation of the facilities is carried out utilizing the assistance that various agencies provide and the funds allotted for research projects. The Research Committee of the college takes note of the research requirements from the research guides and scholars.

Such feedback is submitted to the College Council which stipulates the standard, and quantity of the requirements. The Planning Board, Building Committee and Purchase Committee ensure that these facilities and infrastructure are provided so as to fulfil the requirements as desired. We equip our laboratories and libraries with latest instruments and equipment; books, journals, and CDs; audio video clippings; etc.

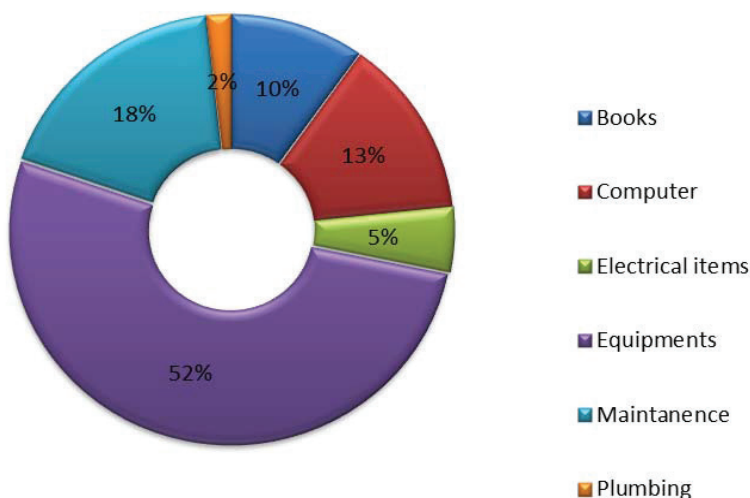
To upgrade the existing infrastructure facilities and create new ones, the Department of Chemistry applied for FIST programme of the Department of Science and Technology, Government of India. In 2008, the department was selected for this programme and was awarded an assistance of Rs. 43.6 lakhs. The new instruments procured and the up gradation of the research laboratories has helped to revamp the research facilities of the department.

The institution is planning to upgrade the available facilities and to provide separate infrastructural facility that suits the requisites of new research areas which are relevant to public interest and emerging environmental issues.

3.3.3 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities? If “yes”, what are the instruments/ facilities created during the last four years.

The institution has not received any special grants or finance from the industry for developing research facilities. But the college has achieved ambitious progress in research facilities, for which the college has received support from various agencies such as FIST, DST, UGC, state government, management, PTA, etc.

Text Fig.3.2: Utilization of FIST support



The DST-FIST support of Rs 36.5 lakhs is utilised for the improvement of various infrastructural facilities of the department.

List of instruments available in the Department of Chemistry

UV- 1800 Shimadzu	Spectrophotometer
Bruker IR Spectrometer	Flame Emission Spectrometer
Computers-14	UV Cabinet
Shimadzu Chemical Balance (4 Digit)	Rotary Vacuum Digital Bath
Ultra Sonic Steric-Cleaner Cyber tech	Tytrasys 352(Autotitrator) (Colorimeter)

Dropping Mercury Electrode	Sodium lamp Transformer
Eutech Instruments pH Tutor (pH meter)	Magnetic Stirrer
Quartz B ₁ -Distillation Unit	Okaya SMF / URLA Battery
Infra-Red Digit Balance	Melting Point Apparatus(Macro Scientific Works)
Mechanical Shaker WSWD	Shaking Incubator (Lab Line)
Laboratory Oven(Lab Line)	Micro Measures And Instruments (AIMICRO)
Air Drier Philips(1000)	OHP Galaxy 2000
Photocopying Machine(Canon iR 2318L)	

3.3.4 What are the research facilities made available to the students and research scholars outside the campus / other research laboratories?

- ❖ Facilitates memberships for our students in leading libraries like the University Library.
- ❖ Provides opportunities and conveyance facilities to attend the open defence of the research scholars in the respective discipline.
- ❖ Facilitates paper presentations and participation in training programmes/workshops and conferences.
- ❖ In order to fulfil the demands of the ever developing fields of knowledge and research, proper facilities and infrastructure have to be procured, for which the college has to find out sufficient financial potential. To overcome the difficulties in procuring the funds in time the college has embarked on an alliance with reputed highly advanced research bodies and educational institutions where our faculty, research scholars and students get opportunity to conduct research (Table 3.9).
- ❖ These institutions comply with our requisitions only after becoming convinced of our qualitative merit, clean intentions and intellectual competence. We gratefully acknowledge the magnanimity of the following institutions for extending their facilities to research scholars and students :

Table 3.9: Outside facilities available for research

Sl. No	Institution	Facilities availed	Research fellows/ students	Output
1	Vikram Sarabhai Space Centre(VS SC),	Thermal Studies/Project Work	Research fellows-4 M.Sc. students-6	The thermal investigation of metal complexes was carried out and expertise of Senior Scientists there was also made use of.

	Thiruvananthapuram			The M.Sc. students spend three months at VSSC for their project work.
2	National Institute of Interdisciplinary Sciences and Technology (NIIST)	Project work NMR, Conductivity Studies, Single Crystal XRD Studies, Organic synthesis.	Research Fellows-8 M.Sc. students-10	The top students of our college are sent to NIIST for their M.Sc. project. The students are also sent as part of the OSDD (Open Source Drug Discovery Project). Structural elucidation of organic compounds and its complexes
3	Indian Institute of Science, Bangalore	Project work, Ph.D. Computational chemistry studies	One faculty, Research Fellows-2 M.Sc. students-3	The fellows got hands on experience in using open as well as commercial software which facilitate computer aided drug discovery.
4	Amrita School of Engineering, Amrita VishwaVidyalayam, Coimbatore	Project work, Ph.D. Computational chemistry studies	One faculty, Research Fellows-2 M.Sc. students-1	The fellows' hands on training in using many advanced software used for computer aided drug discovery process.
5	Vidya Bharti Mahavidyalaya, Amravati, Maharashtra	Exchange programme	One faculty	The faculty shared his knowledge in various software with the faculty of the outside college. He got good exposure in some of the new techniques in understanding the 3D-quantitative structure activity study by using some advanced software used for computer aided drug discovery process. Also got good exposure in green analytical techniques.
6	Department of Botany, University of Delhi	Molecular Cladistics of <i>Salacia</i> spp.	Research Fellow-1	Molecular characterization of <i>Salacia</i> species from Kerala done employing ITS-1 and ITS-2 sequences
7	Department of Botany, University of Delhi	DNA Barcoding	Research Fellow-1	DNA barcoding of <i>Datura</i> and <i>Brugmansia</i> species from South India done using <i>rbcl</i> sequences
8	CTCRI, Sreekariyam, Thiruvananthapuram	Molecular Analysis of <i>Salacia</i> sp.	Research Fellow-1	Molecular studies of <i>Salacia</i> species from Kerala done employing ISSR markers

	thapuram			
9	NIIST, Pappanamcode, Thiruvananthapuram	Microstructural Studies	Research Fellow-3	Microstructural analysis of pollen and, foliar and cauline epidermis of selected plant species done
10	Santhigiri Research Foundation (SRF), Pothencode, Thiruvananthapuram	Project work, Ph.D. Procurement of Siddha medicines and synthetic strategies.	One faculty, Research Fellows-3 M.Sc. students-6	Metal based Siddha medicines- Product Development Research.
11	Sophisticated Analytical Instrumentation Facility (SAIF), IIT, Chennai	Single crystal X-ray Diffraction Electron Paramagnetic Resonance (EPR) Spectroscopy etc.	Research fellows-7	The structural elucidation of the compounds carried out by single crystal XRD and their EPR spectral studies carried out.
12	SAIF, Cochin University of Science and Technology	CHN analysis, NMR spectroscopy etc.	Research Fellows-14 M.Sc. -10	Instrumentation facilities are utilized.
13	(SAIF), IIT, Bombay	Electron Paramagnetic Resonance (EPR) Spectroscopy Far IR Spectroscopy	Research Fellows-4 M.Sc.students-2	Structure of paramagnetic complexes/ ceramics
14	IPC, IISc, Bangalore	NLO studies	Research fellows-7	The NLO activity of the synthesized complexes were measured.
15	Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram	Antimicrobial studies,	Research Scholars-4	Antimicrobial studies of nearly 40 complexes have been carried out.
16	RGC, Thiruvananthapuram	Cytotoxicity evaluation of <i>Salacia</i> sp.	Research Scholars-1	MTT assay of five extracts of <i>Salacia fruticosa</i> on slx cancer cell lines conducted.
17	NCESS (National Centre for	Water analysis	M.Sc. students-5	Physico-chemical analyses of water samples are carried out as part of the M.Sc.

	Earth Science Studies)			project
18	Government Ayurveda College, Thiruvananthapuram	Phytochemical investigations	M.Sc. students-10	The phytochemical investigations of traditional ayurvedic medicines.
19	Central Tuber crops Research Institute (CTCRI)	Instrumentation and laboratory facilities	M.Sc. students-5	The biochemical investigation of tubercrops.
20	Biogenic Research Centre, Thiruvananthapuram	Biological studies	Research Fellow-1	Antimicrobial, anti-inflammatory studies of complexes and ligands carried out.
21	Research Wing of Sree Chitra Thirunal Centre for Medical Sciences, Thiruvananthapuram	Raman Spectroscopy	Research Fellow-5	Raman Spectra were taken for computational calculations.
22	Kerala State Archives, Nalanda, Thiruvananthapuram	Primary data	M.A Students-25 Research Fellow-15	For the collection of primary source materials
23	Tamilnadu Archives, Egmore	Primary sources	Research Fellow -5	For the collection of primary source materials especially native newspaper reports
24	Office of the Chief Conservator of Forests, Social Forestry, Ernakulum	Data collection	Research Fellow -1	For collection of data pertaining to social forestry in Kerala

3.3.5 Provide details on the library/ information resource centre or any other facilities available specifically for the researchers?

The research oriented library facilities are provided mostly in the research departments, the Dept. of Chemistry and History. These libraries are well facilitated with latest technological gadgets, implements and equipment. The library has the computer room and is Wi-Fi enabled. E-Resources and INFLIBNET are available.

- ❖ Separate section is provided for stacking Ph.D. theses, PG and UG dissertations and Minor and Major project reports.
- ❖ The libraries have large collections of useful books, advanced journals and other information sources like CDs, audio/video clippings, etc.
- ❖ Specific areas are earmarked for research scholars for their work and rest.
- ❖ The college is on the way to obtain Inter Library Loan Scheme association with reputed libraries, institutions and research bodies.
- ❖ Currently the libraries have a total number of 35961 books and 35 journal titles.

3.3.6 What are the collaborative research facilities developed / created by the research institutes in the college? For ex. Laboratories, library, instruments, computers, new technology etc.

The institution does not have collaborative research facilities. The faculty of our college has individual collaborations with researchers of other institutions. The infrastructural facilities of these institutions are made use of by our research scholars and faculty for their investigations. We are trying to tap the resources from UGC and DST, etc., to improve the infrastructure facilities.

3.4 Research Publications and Awards

3.4.1 Highlight the major research achievements of the staff and students in terms of

Patents obtained and filed (process and product)

Original research contributing to product improvement

Research studies or surveys benefiting the community or improving the services

Research inputs contributing to new initiatives and social development

- We motivate our students to apply for patents of their innovations. However, most of our work is related to advancement of basic sciences. The students of the Department of Chemistry have synthesised several new compounds, the application of which is encouraged.
- One of our faculty has collaboration with Open Source Drug Discovery of CSIR where by newly synthesised compounds are being screened for their activity against various diseases, particularly against tuberculosis and malaria, two of the dreaded diseases affecting mankind.
- One of our faculty of Botany has reported two new species of *Salacia*, the locally common endemic species of which has been found to be effective against colon cancer and cervical cell lines. This study was done in collaboration with RGCB, Thiruvananthapuram.
- The Department of Botany has documented the biodiversity of the college campus, and a detailed documentation report is being prepared.

- The Department of Sociology and the Department of Psychology conduct many surveys and social extension research to understand the sociological problems of contemporary significance.

3.4.2 Does the Institute publish or partner in publication of research journal(s)? If “yes”, indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database?

Yes, the college publishes a bi-annual multidisciplinary research journal named *Logos* with ISSN 2349-3836. The articles are selected for publication strictly on the basis of quality and merit fixed by peer review. Priority is given to the articles of the faculty and students of this institution. This multidisciplinary journal has. The Editorial Board consists of the following members :

Editorial Board

Editor in Chief : Dr. L.Thulaseedharan, Principal
 Managing Editor : Dr. Reena Ravindran (Chemistry)

Members :

Dr. K.L. Vivekanandan (Geology)	Dr. B. Mini Anand (English)
Dr. G. Lillybai (Physics)	Dr. Lekha K. Nayar (History)
Dr.C.R. Kalakumari (Chemistry)	Smt. S. Gadha (Botany)
Dr. Kiron Vasudevan (Zoology)	Dr. Jameela V.A. (Economics)
Smt. R.K. Sreelatha (Geology)	Prof. Salila Ravi (Mathematics)
Dr. A. Shaji (History)	Dr. P.S. Vijayanatharaj (Political Science)
Capt.(Dr.) S.S. Biju (Physical Education)	Dr. S. Girijakumari (Malayalam)
Dr. J.S. Nishima (Psychology)	Dr. Devipriya V. (Botany)
Dr. Mahesh S. (Hindi)	Dr. UtharaSoman (Sociology)
Smt. O. Swapna (Commerce)	Smt. Anjana V. (Statistics)
Dr. K.L. Vivekanandan (Geology)	

Academic Advisory Board

- * Dr S.V. Sudheer, Director, Academic Staff College, University of Kerala
- * Dr Raju.S., Associate Professor, Department of Psychology, University of Kerala
- * Dr K.C. Baiju, Associate Professor, Department of Economics, Central University, Kasargode.
- * Dr Thankamani Amma, Former Professor & Head, Department of Hindi, University of Kerala.
- * Dr Sadasivan.V, Associate Professor, Department of Chemistry, University College.
- * Dr G.P. Sudheer, Associate Professor, Christian College, Kattakada, Thiruvananthapuram
- * Dr G.Padma Rao, Professor & Head, Department of Malayalam, University of Kerala
- * Dr Suresh Jnaneswaran, Professor & Head, Department of History, University of Kerala
- * Dr Parvathy Menon, Head, Department of Botany, NSS College for Women, Thiruvananthapuram.

* Dr M.K Anil, Senior Scientist, CMFRI Vizhinjam, Thiruvananthapuram

3.4.3 Give details of publications by the faculty and students:

Details of Journal Publications (Impact factor and h-index are given in brackets)

Dr. L.Thulaseedharan, Principal

1. Bio-diversity Conservation, the Need for the Survival, *Holistic Thought*, Regional, **7, 2012**.
2. Anna Hazare and the Civil Society Movement against Corruption, *University College Journal of Politics & Society* Regional, **7, 2011**.
3. *Aasian Karurum Asankakalum*, *SahithyKeralam*, **2009**.

Dr. M. Devakumar, Former Principal, English

4. Gitanjali : A Spiritual Voyage to the Realization of Cosmic Music, *Logos*, **2**, Regional, **2014**.
5. The Defeat of the Repressive Regime: The vision of Narayana Guru in Kerala. *The Research Paradigm*, **2, 2014**.
6. The Class Struggle in the Pre-Marxian and Post-Marxian Scenario for the Exclusion of the First World. *Logos*, **1**, Regional, **2013**.

Dr. Swapna Gopinath, Associate Professor of English

7. Tracing the History of a War-torn Land: A Study of Khaled Hosseini's *A Thousand Splendid Suns*, *Indian Review of World Literature in English*, International, **9, 2013**.
8. Codes of Indianness in Diasporic Writing, *Literary Insight*, International, **3, 2012**.
9. Redefining Masculinities and the Transnational Hero in Popular Indian Cinema, *Littcrit*, National, **2012**.
10. Images of Transnationalism in Multicultural Spaces, *Teresian Journal of English Studies*, National, **4, 2012**.
11. The Transnational Identity of the Indian as Reflected in Indian Travelogues: A Culture Studies Perspective, *English Activities Update*, National, **2012**.

Smt. Julie P. S, Assistant Professor of English

12. Globalization and Malayalee Sensibilities: An Analysis of its Reflections in Film Media, *Proceedings of National Seminar on Re-inventing and Recasting the Praxis of Globalization*, **1, 2014**, Christian College, Chengannur.
13. When Tail-Ends Tell Tales, *Proceedings of the second International Conference Kanniakumari Academy of Arts and Sciences*, National, **3, 2013**.

Smt. Asa G., Associate Professor of Malayalam

14. *Yesuvinde Mownavachanangal*, *Sahithya Keralam*, **2009**.

Dr. S.Girija Kumari, Assistant Professor of Malayalam

15. *Vikarathinte Sthanam Kavithayil*, *Logos*, Regional, **2, 2014**.
16. *Kuttippuzha Krishnapillayude Sahityalokam*, *Vijnanakairali*, National, **41, 2010**, State Language Institute.

Dr Baby Girija, Associate Professor of Hindi

17. *Dr. Lekshmi Narayan Lal kee Nadya Sankalpana*, *Sangrathan*, **2009**.
18. *Dr Lekshmi Narayan Lal kee Kranthi chetna –EkSathya Harichandra ke Visesh Sartharf me*, *Sangrathan*, **2009**.

Dr.Mahesh S., Assistant Professor of Hindi

19. *Daivadasakam ki Prasamgikatha*, *Logos*, **2**, Regional, **2014**.
20. *Hindi Mem Web Pathrakaritha*, *Keral Jyothi*, **2011**.
21. Translation Work – *Billi Marne Ka Thareeka* - *Keral Jyothi*, **2010**.

22. Translation Work – Agasthyacodu - *Keral Jyothi*, **2010**.
23. Translation Work – *Theerthadan* - Published in the book *K.L. Pole Ke Prathinidhi Kahaniyam, Jawahar Pusthakalay Madhura* (U.P.), **2012**.

Dr. C.G.Usha, Associate Professor of History

24. *Karthika Thirunal Ramavarma :An Accomplished Poet of 18th Century*, *Historia*, **2**, **2009**.

Dr. Lekha K. Nayar, Associate Professor of History

25. K.M.Panikkar's Readings on Malabar and the Portuguese Empire, *Journal of Kerala Studies*, **2012**.

Dr. A.P. Greeshmalatha, Associate Professor of History

26. Trade and Markets in Kerala as Gleaned in the Manipravalam Texts C. 13th to the 15th Century A.D. *Proceedings of the International Congress in Kerala Studies*. Vol. 3,
27. *Chanta* – A Developed System of Primitive Exchanges, *Logos*, **2**, Regional, **2014**.
28. Sree Narayana Guru and the Uplift of Human Dignity among the Subaltern Groups of Modern Kerala, *Logos*, Regional, **2013**.
29. Technological Expertise as Practised at Aranmula, *Proceedings of South Indian History Congress, 33rd Annual Session*, **2013**.
30. *Kulamukku Kutirachettikalum Mattu Vanika Sangangalum Madhyakala Keralathil, Vinjanakairali*(Malayalam), **43**, **2012**, State Institute of Languages, Nalanda, Thiruvananthapuram.
31. Horse Trade of Malabar and Kutirachettis of Kulamukku, *Proceedings of South Indian History Congress* (Economic History Section), 32nd Annual Session, **2012**, University of Madras.
32. *Attanis, Tannirpantals, Kanjipuras*: Historical Enquiries of Pre-Colonial South Malabar, *Journal of South Indian History*, **3**, **2011**.
33. Different Types of Crafts Seen Along Kerala Coast, *Historia*, **3**, **2011**.

Dr. Praseetha N.C., Associate Professor of History

34. Reflections on Women's Education in Malabar – Problems and Transitions, *Journal of Kerala Studies*, **2013**.
35. Liberation through Education, *Proceedings of the South Indian History Congress*, **2013**, South Indian History Congress.

Dr. G. Sreenivasan, Associate Professor of History

36. Social Mobility, Subaltern Strategies: Honorific Titles and Social Elevation among the 'Avarnas' in Travancore, *Journal of Kerala Studies*, **2010**.

Dr. A. Shaji, Associate Professor of History

37. Politicisation of Caste Relations in Modern Travancore: Situating the Role of E.Madhavan and his Plea for Independent Community. *Logos*, **1**, **2013**.
38. Colonial Legacy of Alcoholism in Kerala, *Proceedings of the National Seminar on Portuguese*, St. Cyril's College, Adoor, **2011**.
39. Alcoholism in Kerala and the Organised Violation of Human Rights of Women, *Historia*, Regional, **3**, **2011**.
40. Alcoholism in Kerala and its Social Consequences, *Holistic Thought*, Regional, **9**, **2010**.
41. Buddhist Answer to the Problem of Global Warming, *Journal of Indian History*, **89**, **2010**.
42. Agitations for Social Justice in Travancore: The Lead of Thariath Kunjithomman, *Journal of Kerala Studies*, **37**, **2010**.
43. Madan Mohan Malaviya: the Great Visionary of Modern India, *Logos* Regional, **2013**.
44. For the Cause of Self Image: Assertions of Caste Consciousness by the Dalits

of Southern Travancore (1850-1930), *Indian Historical Studies*, National, **2009**, (ISSN: 0973-2713).

45. Dimensions of Social Protest: The Conversion Threat of the Ezhavas and the Temple Entry Proclamation of Travancore (1936 A.D.), *Indian Historical Studies*, National, **2009**.
46. Reflections of Community Assertions in the Civic Rights Movement of Travancore, *Journal of Kerala Studies*, **2009**.
47. Politicization of Castes: Community Organisations and the Struggle for Responsible Government in Travancore, *Historia*, **2**, **2009**.

Smt.S.R. Saritha, Assistant Professor of History

48. Recapitulation of the Early Days of Railways in India, *Journal of Indian History*, **2010**.
49. Nilgiri Railways; the World Heritage Site, *Proceedings of the International Seminar of SVASH*, **2014**.

Smt. Shyma Jacob J.R., Assistant Professor of History

50. Making History: Archives The Historian's Workshop, *Journal of Kerala Studies*, **2011**.

Dr. A. Sushamadevi, Former Principal (Political Science)

51. Women Representation in Legislatures-The Constitutional and Historical Experience in India, *Holistic Thought*, **2009**.
52. The Social Menace of Dowry and Domestic Violence against Women, *Holistic Thought*, **2010**.

Dr.P.S.Vijayanatharaj, Associate Professor of Political Science

53. Heroes of the Early Christianity in Travancore, *Kripa 2012 Souvenir*, **2012**.
54. Rights to Self-Determination of the People: The Case of Kosova, *University College Journal of Politics and Society*, **2009**.
55. Loksabha Elections- 2009: Kerala's Experiences, *Holistic Thought*, **2009**.

Smt. N.R.Vineetha, Assistant Professor of Political Science

56. Return of Politics. *Logos*, Regional, **1**, **2014**.
57. Prasantyo Kumar Chatteriji's *Dr.Syama Prasad Mukerjee and Indian Politics* (Book Review) *Pragathi*, **2011**.
58. Sustainable Development and Panchayat Raj Institutions, *Pragathi*, **2010**.

Shri. Sreenish T.V., Assistant Professor of Political Science

59. Return of Politics. *Logos*, Regional, **1**, **2014**.

Dr. Jameela V.A., Associate Professor of Economics

60. Political Participation of Women in Kerala- Miles to Go..., *Social Action*, National, **59**, **2009**, Social Action Trust.

Dr. Vinod C. Sugathan, Assistant Professor of Economics

61. Multidimensional Effect of the Smokeless Industry, *LOGOS*, Regional, **2**, **2014**.

Dr. J.S. Nishima, Assistant Professor of Psychology

62. Analytical Study on Female College Students, *Research Scholar*, National, **2**, **2012**.
63. Correlates of Self-Esteem and Intelligence, *Misbah-research journal*, National, **5**, **2011**.

Dr. A.S. Raakhee, Assistant Professor of Psychology

64. Ecology and Mental Health, *Logos*, Regional, **1**, **2013**.
65. A Study on the Prevalence of Anxiety Disorders among Higher Secondary Students, *GESJ: Education Sciences and Psychology*, International, **1887**, **2011**.
66. Life Skill Education for Adolescents: its Relevance and Importance, *GESJ: Education Sciences and Psychology*, International, **1888**, **2011**.
67. Attention Span Development in Children: A Challenge to Parents and Teachers, *Gurujyothi Research and Reflections*, Regional, **5**, **2011**.

Dr.Anjana R., Assistant Professor of Psychology

68. Effect of Parenting Style on Behaviour, *Behavioral Scientist*, **11**, **2010**.
69. *Parasparapoorakamakunna manasum bhashayum*, *Vijnanakairali*, **41**, **2010**.
- Dr. Ajilal P., Assistant Professor of Psychology (h index - 6)**
70. The Effect of Aerobics on Resilience, *Journal In Arts, Commerce, Education, & Social Sciences, International*, **3**, **2014**, **(0.8)**.
71. Correlates of Empathy among Physically Handicapped, *Journal of Community Guidance & Research, International*, **31**, **2014**, **(1.5)**.
72. Predictors of Self-Confidence, *Journal of Community Guidance & Research, International*, **30**, **2013**, **(1.5)**.
73. Ego Defense Mechanisms: Good or Bad? An Exploratory Analysis, *Logos, Regional*, **1**, **2013**.
74. Personality Correlates of Spirituality, *Journal of Community Guidance & Research, International*, **28**, **2011**, **(1.5)**.
75. Effect of Jaladhara meditation on Social anxiety, *Journal of Community Guidance & Research, International*, **28**, **2011**, **(1.5)**.
76. Employee morale: influencing factors in Kerala, *SURVEY- a Management Journal, International*, **51**, **2011**, **(3.06)**.
77. Effects of Vrata (vow) on General Health, *The Psychespace, National*, **4**, **2010**, **(0.8)**.
78. A Comparative Study on Visual, Motor, Perceptual, and Memory Functions in Bipolar and Normals, *The Psychespace, National*, **3**, **2009**, **(0.8)**.
- Dr. Uthara Soman, Assistant Professor of Sociology**
79. Social Conflict: A Retrospection into Conflict Theories and Collective Actions, *Logos, Regional*, **1**, **2013**.
80. Icons of Kerala: Past and Present, *Introduction to Kerala Studies, International*, **2**, **2012**.
81. Mobile Phones: Mobility, Implications and Impacts, *Kerala Sociologist (Journal of Kerala Sociological Society)*, *Regional*, **39**, **2011**.
82. Patriarchy: Theoretical Postulates and Empirical Findings, *Sociological Bulletin (Journal of the Indian Sociological Society)*, *National*, **58**, **2009**.
- Smt. N.B. Lekha, Assistant Professor of Sociology**
83. Property Rights among Nayar Women: An Intergenerational Study, *Logos*, **2**, **2013**.
- Smt. Aiswarya A.S., Assistant Professor of Sociology**
84. Impact of Advertisement on Youth, *Holistic Thought, Regional*, **2013**.
- Dr. G. Hariprakash , Associate Professor of Mathematics**
85. On Fuzzy Partial Congruences. *Logos, Regional*, **1**, **2013**.
- Dr. Baiju K.V., Assistant Professor of Statistics**
86. Discriminant Analysis of Autofluorescence Spectra for Classification of Oral Lesions In vivo. *Lasers in Surgery and Medicine*, **2009**.
87. Optimum Wavelength for the Demarcation of Brain Tumour using Auto Fluorescence Spectroscopy. *Photomedicine and Laser Surgery*. **2009**.
88. LDH Isoenzyme Feature of the Muscles of Two Fresh Water Fishes in Relation to Fibre Pattern and Habitat. *Uttar Pradesh Journal of Zoology*. **2009**.
89. Linear Sex Ratio Change in the Clutch Sequence of *Melapsittacus undulatus*. *Current Science*, **2010**.
- Dr. Sreeletha S., Associate Professor of Physics**
90. Study of Momentum Transport by Gravity Waves in the Low Latitude Troposphere using Indian MST Radar. *Logos*, **1**, **2013**.
- Dr.K. Kochunarayanan, Associate Professor of Physics**
91. PMMA (Polymethyl Methacrylate) Fiber Optic Probe as a On Contact Liquid Level Sensor, *Microwave and Optical Technology Letters*, **52**, **2010**.

92. Watermarking on PCAS Compressed Images. *Ieeexplore* : DOI 978-1-4244-7286-4/10, **2010**.
93. Study of Gratings Recorded in Different Holographic Recording Media for Real-Time Holographic Fingerprint Sensor. *Ieeexplore* 2009: DOI 10.1109/ICUMT, **2009**.
94. Variable Multiplexed Holographic Data Storage Device from an Indigenously Designed Low Cost SLM. *SPIE symposium Paper Number*: 7429-39. **2009**.

Dr. G. Lillybai, Associate Professor of Physics

95. Optical Studies on Sol-el, *Journal of Engineering, Computers & Applied Science, International*, **2**, **2013**.
96. Optical Nonlinearity in Lead Iodide Di Hydrate Grown with UV and IR Radiations Using Z-scan Technique, *AIP- International*, **1391**, **2011**.
97. Comparative Study of Pure and Doped Single Crystals of LeadIodideDihydrate and Lead TartrateDihydrate Grown in Silica Gel Using Fourier Transform Raman Spectra, *Journal of Atomic, Molecular and Optical Physics*, National, **1**, **2010**.
98. Habit Changes of Lead tartrate Crystals, Caused by Growth from Gel Medium and the Effect of Electric Field, Magnetic Field and Dopant as Additives were Investigated by UV/VIS Technique. *Indian Journal of Material Science*, National, **5**, **2009**.
99. X-ray Diffraction Spectrum and Fourier Transform Infrared Study of Lead Iodide Crystals Grown in Gel under Electric Field, Magnetic Field, Ultraviolet and Infrared Radiations *Indian Journal of Material Science*, National, **2009**.
100. Non-linear Optical Studies on Sol Gel Dissolved Lead Chloride Crystals using Z-scan Technique, *Journal of Engineering Computers & Applied Science International*,
101. Effect of Nonlinear Absorption on Electric Field Applied Lead Chloride by Z-scan Technique, (*AIP*), International.
102. Optical Limiting and Switching Responses of Gel Grown Calcium Tartrate Crystals by Nonlinear Measurements, *Laser Physics*, International.
103. Spectral and Non radiative Decay Studies of Lead Di bromide Single Crystals by Mode Matched Thermal Lens Technique, *Journal of Applied Physics*, **3**, 652, International **2014**.
104. Nonlinear Optical Investigation on Lead Iodide Di Hydrate using Open Aperture Z-scan Measurement, *Optical Materials*, International, **2014**.
105. Spectral and Lensing Characteristics of Gel-derived Strontium Tartrate Single Crystals using Dual-Beam Thermal Lens Technique, *APL Materials*, **1**, 1362, International, **2014**.

Smt. P.S. Amaladevi, Associate Professor of Physics

106. Computational Study of n-(2, 4-Dichlorophenyl) Benzamide, *Oriental Journal of Chemistry*, National, **26**, **2010**.
107. Theoretical Study of the Crystal Structure of 4-Chloro-N-(3 Chlorophenyl) Benzamide, *Oriental Journal of Chemistry*, National, **26**, **2010**.
108. Vibrational Spectroscopic Study of Glycine Molecule, *Material Science Research India*, **7**, **2010**.
109. Vibrational Spectroscopic Studies of Guanidium Hydrogenselenate C(NH₂).HSeO₄, *Material Science Research India*, **7**, **2010**.
110. Vibrational Spectroscopic Study of Amino Piciline, *Material Science Research India*, **7**, **2010**.
111. IR, Raman and Computational Study of Lithium Trifluorometanesulfonate, *Oriental Journal of Chemistry*, **26**, **2010**.
112. Spectroscopic Investigation of Dimethyl Sulfoxide, *Oriental Journal of Chemistry*, **26**, (2010).

Dr. D. Beena, Associate Professor of Physics

- 113 Transparent Conducting Indium Molybdenum Oxide Films by Pulsed Laser Ablation, *Journal of Alloys and Compounds*, International, **539**, **2012**, (2.289), Elsevier.
- 114 Photoluminescence in Laser Ablated Nanostructured Indium Oxide Thin Films *Optoelectronics and Advanced Materials-Rapid Communications*, **5**, **2011**.
- 115 Photoluminescence in Laser Ablated Nanostructured Indium Oxide Thin Films, *Journal of Alloys and Compounds*, International, **489**, **2010**, (2.289), Elsevier.
- 116 Effect of ITO Buffer Layers on the Structural, Optical and Electrical Properties of ZnO Multilayer Thin Films Prepared by Pulsed Laser Deposition Technique, *Solar Energy Materials and Solar Cells*, **94**, **2010**, (4.542), Science Direct, International.
- 117 Effect of Substrate Temperature on Structural, Optical and Electrical Properties of Pulsed Laser Ablated Nanostructured Indium Oxide Films, *Applied Surface Science*, International, **2009**, (2.103), Elsevier.
- 118 Effect of Thermal Annealing on the Structural and Optical Properties of Nanostructured Zinc Oxide Thin Films Prepared by Pulsed Laser Ablation, *Solar Energy Materials and Solar Cells*, **93**, **2009**, (4.542), International, Elsevier.
- 119 Transparent and Low Resistive Nanostructured Laser Ablated Tungsten Oxide Thin Films by Nitrogen Doping, *J. Phys. D: Appl. Phys.*, **9**, **2009**, (1.56), International.
- 120 Nanostructured tungsten oxide thin films by the reactive pulsed laser deposition Technique, *Applied Physics A- Materials Science & Processing*, **42**, **2009**, (1.63), International, Springer.
- 121 Micro-structural, Electrical and Spectroscopic Investigations of Pulsed Laser Ablated Palladium Incorporated Nanostructured Tungsten Oxide Films, *J. Nanosci. Nanotechnology*, International.
- 122 Efficient photoluminescence from pulsed laser ablated nanostructured indium oxide films, *Materials Science and Engineering: B*, International, Elsevier.

Dr. P.K. Viswanathan, Associate Professor of Chemistry

- 123 Ethnobotanical Survey of the Plants Used in the Treatment of Diabetes. *Indian Journal of Traditional Knowledge*, **9**, **2010**.
- 124 Pypyrones from *Gonithalamus* Wighti Hook.f and Thoms., Annonaceae. *Indian Journal of Chemistry*, **49**, **2010**.

Dr. K.P. Jayasree, Associate Professor of Chemistry

- 125 A Mechanistic Approach to Solvolysis of n-Caproyl Chloride in Solutions of Acetone and Acetonitrile with Nucleophilic Solvents, *Oriental Journal of Chemistry*, National, **25**, **2009**.

Dr. I.G. Shibi (h-index- 7), Associate Professor of Chemistry

- 126 Optimization of Antimalarial Activity of Synthetic Prodiginines: QSAR, GUSAR, and CoMFA Analyses, *Chemical Biology & Drug Design*, International **81**, **2013**, (2.507), John Wiley & Sons Ltd.
- 127 Validity of Refutas Equation to Ideal and Non-ideal Liquid Mixtures, *International Journal of Science & Technology*, International, **1**, **2012**, (0.675).
- 128 k-NN, Quantum Mechanical and Field Similarity Based Analysis of Xanthone Derivatives as α -Glucosidase Inhibitors, *Medicinal Chemistry Research*, International, **21**, **2012**, (1.612), Springer US.
- 129 Physico-Chemical Analysis of Arumuga Chendooram, *International Journal of Research in Ayurveda and Pharmacy*, International, **3**, **2012**.

- 130 Molecular docking and 3D QSAR Studies of Quinoxaline Derivatives as Potential Influenza NS1A Protein Inhibitors, *Journal of Computational Methods in Molecular Design*, International **1**, **2011**.
- Dr.S.Suma (h index- 8), Associate Professor of Chemistry**
- 131 Crystal Growth, Spectral, Magnetic, Antibacterial and Antifungal Studies of Co (II) and Ni (II) Complexes of 4-Nitrobenzoic Acid, *Journal of the Korean Chemical Society*, International, **58,2014, (0.191)**, Korean Chemical Society.
- 132 Spectral, Thermal, Structural and Microhardness Studies of Tetraaquabis (Malonato) Cadmium (II) Copper (II): A New Three-Dimensional Heterobimetallic Framework System, *Inorganica Chimica Acta*, International, **409, 2014, (2.041)**, Elsevier.
- 133 Synthesis, Spectral Characterization, Thermal and Biological Studies of Lanthanide (III) Complexes of Oxyphenbutazone, *Journal of Rare Earths*, International, **32, 2014, (1.342)**, Elsevier.
- 134 Spectral, Thermal and Structural Studies of an Acetate Bridged Polymeric Cadmium (II) Complex: Poly [aqua (μ -acetato)(4-aminobenzoato) Cadmium (II) Monohydrate], *Inorganic Chemistry Communications*, International, **40, 2014, (2.062)**, Elsevier.
- 135 (2E)-2-Benzylidene-N-phenylhydrazinecarboxamide, *Acta Crystallographica E*, International, **70, 2014, (0.35)**, International Union of Crystallography.
- 136 Spectral, Thermal and Structural Studies of Poly[μ -acetato(4-aminobenzoato)lead(II) monohydrate]: A Polymeric Hydrated Lead(II) Complex with Acetate Bridges, *Journal of Inorganic and Organometallic Polymers*, International, **23, 2013, (1.17)**, Springer.
- 137 Growth, Spectral and Thermal Characterization of Vanillin Semicarbazone(VNSC) Single Crystals, *Journal of Thermal analysis and Calorimetry*, International, **111,2013, (2.206)**, Springer.
- 138 Synthesis and Spectral Characterization of Lanthanide Complexes with 1,2-Diphenyl-4-butyl-3,5 Pyrazolidinedione: Luminescent Property of Tb(III) Complex, *Journal of Rare Earths*, International, **30, 2012, (1.342)**, Elsevier.
- 139 Spectral, Thermal, Structural, Dielectric and Microhardness Studies of Gel Grown Diaquasuccinaticadmium(II)hemihydrates, *Spectrochimica Acta A*, International, **93,2012, (2.129)**, Elsevier.
- 140 Growth, Spectral, and Thermal Characterization of 2-Hydroxy-3-methoxybenzaldehyde Semicarbazone, *Journal of Thermal analysis and Calorimetry*, International, **112, 2012, (2.206)**, Springer.
- 141 Synthesis, Spectroscopic Characterization, and Antimicrobial Activity of Cobalt(II) Complexes of Acetone-N(4)-phenylsemicarbazone: Crystal Structure of $[\text{Co}(\text{HL})_2(\text{MeOH})_2](\text{NO}_3)_2$, *Transition Metal Chemistry*, International, **36, 2011, (1.402)**, Springer.
- 142 FT-IR and FT-Raman Spectral studies and DFT Calculations of Tautomeric Forms of Benzaldehyde-N(4)-phenylsemicarbazone, *Indian Journal of Chemistry*, National, **50,2011, (0.628)**, CSIR.
- 143 Growth and characterization of a New Polymorph of Lead Succinate: A Promising NLO Material, *Journal of Crystal Growth*, International, **319, 2011, (1.693)**, Elsevier.
- 144 Synthesis, Spectral and Thermal Studies of Lanthanide (III) Complexes of Phenylbutazone, *Journal of the Korean Chemical Society*, International, **55, 2011, (0.191)**, Korean Chemical Society.
- 145 FT-IR, FT-Raman and Computational Study of Ethyl Methyl Ketone Semicarbazone, *International Journal of Industrial Chemistry*, International, **2, 2011, (0.256)**, Springer.

- 146 Synthesis, Spectral Characterization and Thermal Studies of Zirconyl Complexes of Biologically Active Ligands, *Journal of thermal analysis and calorimetry*, International, **99, 2010, (2.206)**, Springer.
- 147 Synthesis and Spectral Characterization of Alkaline Earth Metal Complexes : Crystal Structure of Ca(II) Hippuric Acid Complex, *Polyhedron*, International, **29, 2010, (2.047)**, Elsevier.
- 148 Synthesis and Spectral Characterization Zinc(II) and Cadmium(II) Complexes of Acetone-N(4)-phenylsemicarbazone: Crystal Structures of Acetone-N(4)-phenylsemicarbazone and a Cadmium(II) Complex, *Polyhedron*, International, **29, 2010, (2.047)**, Elsevier.
- 149 Synthesis, Characterisation and Physiochemical Information, along with Antimicrobial Studies of Some Metal Complexes Derived from an ON Donor Semicarbazone Ligand, *Spectrochimica Acta A*, International, **76, 2010, (2.019)**, Elsevier.
- 150 Vibrational Spectroscopic Studies and Computational Study of Ethyl Methyl Ketone, *Journal of Molecular Structure*, International, **969, 2010, (1.599)**, Elsevier.
- 151 Synthesis and Characterization of Metal Complexes of Orthovanillinthiosemicarbazone, *Oriental Journal of Chemistry*, National, **25, 2009, (0.463)**.

Dr. Reena Ravindran, Associate Professor of Chemistry

- 152 Structural Studies of 1-Phenyl-2,3-dimethyl-5-oxo-1,2-dihydro-1H-pyrazol-4-ammonium 2[(2-carboxyphenyl) Disulfanyl Benzoate, *Journal of Molecular Structure*, International, **1021, 2012, (1.404)**, Elsevier
- 153 FT-IR, FT-Raman and Computational Study of 1H-2,2-Dimethyl-3H-phenothiazin-4[10H]-one, *Journal of Molecular Structure*, International, **985, 2011, (1.404)**, Elsevier

Smt. S. Gadha, Associate Professor of Botany

- 154 A Checklist of the Flowering Plants of Napier Museum Campus, Thiruvananthapuram, Kerala, *Logos*, Regional, **1, 2013**.

Dr. Suma B.S., Associate Professor of Botany

- 155 Algal Flora of Effluent Canal of KMML Industry, Chavara, Kollam Dist. Kerala, *Journal of Economic and Taxonomic Botany*, National, **34, 2011**.
- 156 Physico-Chemical and Biological Characterization of Effluent from KMML (Kerala Metals and Minerals Limited. TiO₂ Industry, Chavara, Kollam Dist. Kerala, *Journal of Phytological Research*, National, **23, 2010**.

Dr. Devipriya V., Associate Professor of Botany

- 157 An Introduction to the Section *Pinnatifolia* and *Alternifoliolata* of *Jasminum* L. from Kerala, *The Research Paradigm*, Regional, **2, 2014**.
- 158 An Overview on the Systematics of the Celastraceae *s.l.*, *The Research Paradigm*, Regional, **2, 2014**.
- 159 An Introduction to the Section *Trifoliolata* of *Jasminum* L. from Kerala, *Logos* Regional, **1, 2013**.
- 160 A Checklist of the Flowering Plants of Napier Museum Campus, Thiruvananthapuram, Kerala, *Logos* Regional, **1, 2013**.
- 161 A New Species of *Salacia* L. (Hippocrateaceae) from South India, *Candollea*, International, **68, 2013, (0.37)**.
- 162 A New Species of *Salacia* L. (Hippocrateaceae) from South India, *Edinburgh Journal of Botany*, International, **69, 2012**. Royal Botanic Garden, Edinburgh, Cambridge University Press.
- 163 Consanguinity Study in the Muslim Community from, Kollam, Kerala, *J. Cytol. Genet.*, National, **12, 2011**
- 164 Relative and Attributable Risks of Inbreeding and Genetic Load in the Muslim Community from Kollam, Kerala, *J. Cytol. Genet.*, National, **12, 2011**.

- 165 Antioxidant and Anti-inflammatory Activities of *In vitro* propagated *Bacopa monnieri* (L.) Pennell, *J. Med. Arom. Pl. Sci.*, National, **32, 2010.**
- 166 Risk of Blood-related Marriages and Counselling Thereof, *J. Cytol. Genet.*, National, **11, 2010.**
- 167 Variability and Correlations among Quantitative Epidermal Features of six Species of *Salacia* L. from Kerala, *J. Cytol. Genet.*, National, **11, 2010.**
- 168 *Vernonia cinerea* – A Neglected Common Road-side Plant, *Holistic Thought*, Regional, **9, 2010.**
- 169 *Salacia* Linn. – A Medicinally Valuable Genus, *Holistic Thought*, Regional, **8, 2009.**

Dr. K.R.Kavitha, Assistant Professor of Botany

- 170 Evaluation of Antimicrobial Activity of Selected Medicinal Plant Extracts against Pathogenic Bacteria. *Logos*, Regional, **2, 2014.**
- 171 Impact of Climate Change on Rubber Plantations with Special Reference to Kannur and Wayanad Districts. 29-31 January, *Proceedings of 24th Kerala Science Congress*, National, **2012**, Kerala Science Congress.
- 172 Study of Potential Mutagenic effect of Fruit Extract of *Cerbera odollum* Gaertn. on mitosis of Root Meristematic cells of *Allium cepa* L., *Proceedings of National seminar on Biodiversity its conservation for sustainable future*, National, **2012**, Departments of Botany & Zoology, St. Thomas College, Ranni, Kerala.
- 173 Evaluation of Cytotoxic Potential of Fruit Extracts of *Cerbera odollum* in *Allium cepa* Root, *Ind.J. Bot.Res*, National, **5, 2009.**

Dr. Kiron Vasudevan, Associate Professor of Zoology

- 174 Studies on Some Aspects of the Culture of Mossambique tilapia, *Oreochromis mossambicus*, *Journal of Basic and Applied Zoology*, International, **6, 2013.**
- 175 Effect of Varying Levels of Protein Feed on Growth and Production of Male *Oreochromis mossambicus* in Cages, *Journal of Basic and Applied Zoology*, International, **7, 2013.**
- 176 Effect of Dietary Protein on Female Brood stock Development and Fry Production of *Oreochromis mossambicus*, *Journal of Basic and Applied Biology*, International, **5, 2011.**
- 177 Effect of Broodstock Exchange on Seed Production of *Oreochromis mossambicus*, *Journal of Basic and Applied Zoology*, International, **5, 2011.**

Dr. Geetha S., Associate Professor of Zoology

- 178 Studies on the Effects of Water pH Changes on Haematological Parameters in *Gerres felamentosus*, *International Journal of Environmental Sources*, **2014.**
- 179 Food intake in *H. fossilis* Therapen Jarbua and G-oyera with Emphasis on the Effects of Nuva., *Studies on Invection Efficiency*, International, **2013.**
- 180 Bioconversion of Banana Psuedostem using Red Worms *Lumbrilus splendons*, *Proceedings of International Conference on Ecosystem Conservation & Sustainable Development.*, International, **2011**, Ambo University, Ambo, Ethiopia.
- 181 Relative Condition Factor of an Asian Stinging Catfish, *H. Fossilis*, National, **2011.**

Smt. M.S. Vidia Panickar, Associate Professor of Zoology

- 182 Fibre Architecture and Capillary Changes in Skeletal Muscles of *Rattus norvegicus albinus* in response to exercise, *Ind J. Anim. Morphol. Physiol.*, National, **43.**

Sri. M.D. Ratheesh Kumar, Associate Professor of Geology

- 183 Water Quality and Ecological Aspects of Fresh Water Ponds from a Critically Exploited Region of South Kerala, *Proceedings of the International Symposium on Integrated Water Resources Management*, CWRDM, Calicut, **2014.**

Dr. K.L.Vivekanandan, Associate Professor of Geology

- 184 An Account of Submarine Groundwater Discharge from the SW Indian

Coastal Zone, *Journal of Coastal Research*, International, **25**, **2009**, (1.366), Coastal Education and Research Foundation, Florida, USA.

Capt. (Dr.) Biju S.S., Associate Professor of Physical Education

185 Effects of Circuit Resistance Training and Polymetric Training on Strength among Players, *Logos*, **2**, Regional, **2014**.

Table 3.10 Books/Chapters/Popular articles published by Faculty

Sl. No	Title of Publication	Details
Dr. L. Thulaseedharan, Principal		
1.	Right to Information Act (2005) – A Tool to Check Corruption	In: <i>Right to Information and Good Governance</i> , 2013 Dr. Suresh (ed.). Serials Publications New Delhi,
2.	The Mahatma who Preached for Nature and Lived Natural	In : <i>Understanding the Environmental History of India</i> . Dr.A.Shaji(ed.)Department of History,Sree Narayana College, Chempazhanthi,2012, ISBN978-81-924182-0-9
Dr. Manu Ramakant , Department of English		
3.	Loss of Sobriety, Temptation Uncorked, The Gift of Dionysus, Rum's Rebirth and over 400 short stories, anecdotes, travelogues etc.	Runs a blog – <i>Rum Road Ravings</i> . Web site : www.rumroadravings.com
Dr. Swapna Gopinath, Department of English		
4.	Fear	<i>Contemporary Literary Review India</i> , 2012, ISSN-3366
Smt. Julie P.S., Department of English		
5.	Anchee Min's Empress Orchid: A Historical Perspective Imagin(in)g the Diaspora	In: <i>Critical Responses to Asian Diasporic Art and literature</i> , 2014
Smt. Asa G., Department of Malayalam		
6.	<i>Anamikayude Suviseshangal</i>	Sahithya Keralam C. Achuthamenon Centre, Poojapura, 2005
Sri. M. Chandra Babu, Department of Malayalam		
7.	<i>Anwashanathinte Anubhavam</i>	Sahithya Keralam C.Achuthamenon Centre, Poojapura, 2012
8.	<i>Guru</i> (Study)	Sahithya Keralam C.Achuthamenon Centre, Poojapura, 2007
9.	<i>Nerkazchakal</i> (Essays)	Sahithya Keralam C.Achuthamenon Centre, Poojapura, 2006
10.	<i>Sahitya Niroopanathile Suddha Kala Paksham</i>	Sahithya Keralam C.Achuthamenon Centre, Poojapura, 2002
11.	<i>Kavitha</i>	Sahithya Keralam C.Achuthamenon Centre, Poojapura, 2001

Dr. Lekha K. Nayar, Department of History

12.	<i>Sardar K.M. Panikkar's Historiography and Practice</i>	Dr. Suresh Jnaneswaran for Dr. T.K. Ravindran Felicitation Committee- 2010 978-81-8465-195-3
-----	---	---

Dr. A.P.Greeshmalatha, Department of History

13.	Formation of Human Geography as found in Kavus : A Case Study of Valluvanad	In : <i>Understanding The Environmental History of India</i> Department of History, Sree Narayana College, Chempazhanchy, 2012, 978-81-924182-0-9
14.	Different Styles and Designs of Kerala Vessels	In: <i>Exercises in Modern Kerala History</i> by Sahithya Pravarthaka Co-operative Society Ltd. Kottayam, 2012, 978-81-922822-8-2
15.	The Race Boats of Kerala and their Tradition - Some Observations	In : <i>Ship Building and Navigation in the Indian Ocean Region. A.D. 1400-1800</i> Edited with an introduction by K.S. Mathew. Munshiram Manoharlal Publishers Pvt. Ltd. New Delhi, 1997, 81-215-0739-1
16.	Snake Boats - the Battleships of Medieval Kerala	In: <i>India's Naval Traditions</i> Northern Book Centre, 1997, 81-7211-083-9
17.	The Ship Building Technology as Practised in Beypore, Kerala	In: <i>Ship Building and Navigation in the Indian Ocean Region. A.D. 1400-1800</i> -Munshiram Manoharlal Publishers Pvt. Ltd. , New Delhi, 1997, 81-215-0739-1

Dr. A. Shaji, Department of History

18.	Social Protest through Pen and Platform: C.V. Kunjuraman and Social Change in Modern Travancore	<i>Proceedings of the 33rd Annual Conference on South Indian History Congress</i> 2013
19.	Alcoholism in Kerala and the Colonial Legacy	In : <i>Portuguese Heritage in Kerala: Some Dimensions</i> Edited by Dr.Varghese Perayil , 2013
20.	<i>Understanding The Environmental History</i>	Department of History, Sree Narayana College, Chempazhanchy, 2012. ISBN 978-81-924182-0-9
21.	Conservation of Environment in the Buddhist Teachings	In : <i>Understanding The Environmental History of India</i> Department of History, Sree Narayana College, Chempazhanchy, 2012, 978-81-924182-0-9

Dr. A. Sushamadevi, Former Principal - Political Science

22.	<i>Empowerment of Rural Women Kerala-Impact of Reservation in Panchayats</i>	Published by The Political Science Association Kottayam-2010
-----	--	--

Dr. P.S. Vijayanatharaj, Department of Political Science

23.	Electoral Reforms in Human Rights Perspective	In : <i>Electoral Reforms in India</i> , (ed.) Prof K. Ramanpillai, R.Sureshkumar, Kalpaka Publication, New Delhi 2012.
24.	Roots of Human Rights Principles: A Scan of	In : Book edited by Dr. Sukumaran Nair in 2011.

	Sacred Texts	
Dr. Ajilal P., Department of Psychology		
25.	Contours of Modern Management Research	In: <i>Personality Correlates of Employee Morale and Work Commitment</i> . Lap Lambert Academic Publishing. Deutschland, Germany, 2014, ISBN 938-3-659- 52396-0
Dr. Uthara Soman, Department of Sociology		
26.	<i>Introduction to Kerala Studies</i>	Published by International Institute for Scientific and Academic Collaboration (IISAC) New Jersey, USA, 2012
Dr. I.G.Shibi, Department of Chemistry		
27.	<i>Haritha Rasathanthram Oru Haritha Vaayana</i> (about Green Chemistry)	In <i>ILA-Paristhithiyude Moonnamkannu-Paristhithi Journal</i> , Prof. K. Narayana Kuruppu Charitable Trust Publication, 2014
28.	<i>Haritha Rasathanthram</i> (Green Chemistry – Philosophy and Practice)	Kerala Institute of Languages, Thiruvananthapuram, 2014, ISBN: 978-81-7638-818-4
29.	<i>Haritharasathanthrathintek aambumkathalum</i> (about Green Chemistry)	In the Magazine <i>Bharatheeyam</i> Vol 4 issue 10, 2013
30.	<i>HarithaRasathanthram</i>	<i>Nalayude Paristhithi Darshanangal</i> 191-196 CSS Books, Thiruvananthapuram, 2012, ISBN 978-81-7821-489-4
31.	<i>Cheriyalokavum Valiyakaryangalum</i> (About Nanotechnology)	In the Magazine <i>Bharatheeyam</i> Vol 3 issue 8 November, 2012
32.	Adsorptive Removal of Arsenite and Arsenate Ions from Groundwater using Iron (III) Loaded Resin	In : <i>Assessment of Groundwater Resources and Management</i> , (ed.) Ramanathan AL, Prosun Bhattacharya, Keshari A.K, Jochen Bundschuh, Chandrasekharam D and S.K. Singh, I.K. International Publishers, xvi, 331-342, 2009, ISBN: 978-81-906757-2-7
33.	Adsorption Characteristics of Chromium(III) Removal from Aqueous Solutions Using a Novel Adsorbent Prepared from Biomass: Application in Industrial Pollution Control	In : <i>Biotechnological Methods in Environmental Management</i> , (ed.) P. K. Goel/G. R. Pathade. ABD publishers, Jaipur, 224-238, 2004, ISBN 81-89011-11-1
34.	Ability of Polyacrylamide–Grafted Banana Stalk (<i>Musa Paradisiaca</i>) to Remove Lead(II) and Cadmium(II) Ions from Aqueous Solutions	In : <i>Biotechnological Methods in Environmental Management</i> , (ed.) P. K. Goel/G. R. Pathade. ABD publishers, Jaipur, 305-315, 2004, ISBN 81-89011-11-1
35.	Kinetic and Equilibrium Models for the Sorption of Heavy Metals from Aqueous Solutions by Polymer-Grafted Lignocellulosics	<i>Wastewater Treatment and Waste Management</i> , Editors: Dr. Vijay P. Singh and Dr. Ram Narayan Yadava. [APH publishers, New Delhi] 169-184, 2003, ISBN-13-9788131306604

36.	Polyacrylamide Grafted Banana Stalk (Musa Paradisiaca) as Ion Exchanger for Mercury (II) Removal from Water and Wastewater: Kinetics and Equilibrium Studies.	<i>Environmental Challenges of the 21st Century</i> Editor: Dr. Arvind Kumar. [APH publishers, New Delhi] 205-216, 2003, ISBN-13-9788131306604
Dr. S. Anilkumar, Department of Botany		
37.	<i>General Informatics and Bioinformatics</i>	Anne books 2011-2013 , ISBN no9789380618807
38.	<i>Methodology and Perspectives of Science</i>	MASK Publications 2011-2013
39.	<i>Methodology of Plant Science</i>	MASK Publications 2011-2013
40.	<i>Anatomy, Reproductive Botany and Embryology</i>	MASK Publications 2011-2013
41.	<i>Mushroom Cultivation</i>	MASK Publications 2011-2013
Dr. Devipriya V., Department of Botany		
42.	<i>Biodiversity Documentation Report – Flowering Plants of Sree Narayana College, Punalur.</i>	Sree Narayana College, Punalur, 2014.
43.	<i>Jasmines of Kerala – A Treatise.</i>	Carmel International Publishers, Trivandrum, Kerala. ISBN No. 978-93-80483-45-0.
44.	<i>The Shoe-flower Plant. Hibiscus rosa-sinensis Linn. A Monograph</i>	Carmel International Publishers, Trivandrum, Kerala. ISBN No. 978-93-80483-44-3.
Smt. S. Sudha, Department of Zoology		
45.	<i>In the Light of Fireflies (Philosophical musings)</i>	Raspberry Publishers, 2008

3.4.4 Provide details (if any) of Research awards received by the faculty

The following faculty members have received research awards :

- Dr. V. Bhagavathy, Department of Chemistry received Andhra University Medal for Best Research Work 1994
- Dr. Uthara Soman, Department of Sociology received Dr. Jose Murickan Young Sociologist Award 2009
- Dr. Greeshmalatha AP was awarded KCHR Fellowship to modify Ph.D. thesis for publication, KCHR/Fellowship/Streamline Ph.D. 82/2012, dated 18-04-2012

Recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally

- Dr. I.G.Shibi, Department of Chemistry is a reviewer for the *Indian Journal of Traditional Knowledge*, a journal published by CSIR.
- Dr.S.Suma, Department of Chemistry is a reviewer for the *Journal of Thermal Analysis and Calorimetry* (Springer) and *Journal of Molecular Structure* (Elsevier).

- Dr.Reena Ravindran, Department of Chemistry is a reviewer of the *Spectrochimica Acta A: Biomolecular and Molecular Spectroscopy* (Elsevier)
- Dr. Devipriya V., department of Botany, Fellowship of the Indian Association for Angiosperm Taxonomy; Member, Executive Council, IAAT; Member, Executive Council, The Society of Cytologists and Geneticists, India; Reviewer, Journal of Human ecology.

3.5 Consultancy

3.5.1 Give details of the systems and strategies for establishing institute-industry interface?

The College Website publicizes the research work going on in the college, their outcome and its impact. The University Website contains some information about the areas of research activities led by our research guides. Further, research publications by our faculty also attract the attention of all including the industry. The interested industry and institutions seek association with us for mutual benefit.

3.5.2 What is the stated policy of the institution to promote consultancy? How is the available expertise advocated and publicized?

The policy of the institution is to disseminate knowledge all around, and to benefit from our activities, particularly research. The Research Committee envisions social development through research. Our research guides are active in guiding research in various fields and topics which contribute to the comprehensive development of the nation. Informed by the contents of the College Website, the interested institutions, industry, etc. seek for our expertise. Research publications, presentations in erudite programmes and references by known personalities of various fields of knowledge promote the calibre of the expert research guides and faculty of our college. The college insists that our faculty, present to the organizers and the other participants of off-campus programmes, the merits of our college, especially the potent researches. The college provides them every opportunity for their proper exposure.

3.5.3 How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?

The institution motivates and supports our faculty to utilize their expertise in consultancy services.

- The college provides sufficient facilities for consultancy such as consultancy room, internet facilities, laboratory facilities and transportation.
- The members of faculty on request and production of evidence is granted leave or time off for engaging in consultancy service.
- The beneficiaries have to take advance appointment.
- On line consultancy for computational analysis is also encouraged.
- Our lab is utilised for community welfare activities like water analysis.

3.5.4 List the broad areas and major consultancy services provided by the institution and the revenue generated during the last four years.

The institution provides consultancy in various areas which have significant impact on industry, innovative research areas, and society. For example. Dr. IG Shibi of the Department of Chemistry has extended his expertise to the Siddha Research Foundation for the quality standardisation and physico-chemical characterisation of synthetic pathway of *Siddha* medicines.

Dr I.G.Shibi has been consulted by the NIIST for the computational verification of the anti-tuberculosis molecules synthesised in the lab of NIIST by twenty students from different colleges of the state for testing the efficacy of the molecules as drugs.

Dr.I.G.Shibi has been a consultant to various colleges for the implementation of the green analytical techniques by Micro-scale analysis, recently introduced in colleges under the University of Kerala.

Outside researchers use our instruments like FTIR, UV-Visible Spectrophotometer, etc.

Dr.K.R Kavitha extends her service as a consultant in Horticulture especially in mushroom cultivation to the local community, by leading training programmes and giving advices. The Department of Psychology imparts free consultancy to overcome mental disorders, especially learning disorders. Dr Aravind Thampi, Assistant Professor, Psychology extends his service to the following firms.

Table 3.11 The consultancy services offered by Dr.Aravind Thampi, Department of Psychology

Sl No	Name of the Firm	Durati on (years)	From (Month-Year)	To (Month-Year)	Revenue generate d (in Rs)
1.	HLL Life Care(Govt. of India)	9	January 2005	On-going	25,000/-
2.	KIMS Trust	8	March 2006	On-going	10,000/-
3.	Malayala Manorama	6	April 2007	On-going	5,000/-
4.	PPC Worldwide. (United Healthcare Group , UK)	1	December 2013	On-going	5,000/-

3.5.5 What is the policy of the institution in sharing the income generated through consultancy (staff involved: Institution) and its use for institutional development?

The institution is formulating a policy to encourage consultancy by faculty in consultation with the management and sharing the income generated.

3.6 Institutional Social Responsibility (ISR) and Extension Activities

3.6.1 How does the institution promote institution-neighbourhood-community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?

The college has two units of NCC and two units of NSS. In addition, twelve clubs also carry out extension activities. The departments also independently carry out many socially relevant activities. The college is in the forefront in terms of its social service activities and it does so by actively collaborating with the local bodies, voluntary organisations and residents' associations in the locality.

3.6.2 What is the Institutional mechanism to track students' involvement in various social movements / activities which promote citizenship roles?

Compatible to the CBCSS curriculum, the college has instituted a realistic mechanism for the successful involvement of students in extension activities collectively. They are :

College Students' Union: The democratically elected Student's Union is a venue for thorough training in democratic leadership, social work and participatory activities inculcating a sense of unity among the students.

National Cadet Corps: NCC units of our college foster discipline and commitment to society, apart from carrying out their routine activities and parades.

National Service Scheme: - The service of the NSS units of our college has been regionally and nationally acclaimed. Their community extension service and social commitment are evident in their active role in solving gender disparity problems, environment concern and philanthropic activities.

Clubs: - Through the 15 clubs the college ensures Students' participation in diverse co-curricular activities. Students can choose the club of their taste and their participation in the activity is score-fetching. Each club has a student convener, student committee and student members only, with faculty members to supervise the activities. The student members of the club discuss in detail what they intend to do: formulates plans and implementation strategies, and the timetable for the activities.

3.6.3 How does the institution solicit stakeholder perception on the overall performance and quality of the institution?

The college has a well-formed and efficient mechanism for drawing feedback from all stakeholders. The information about all the aspects of the functioning of the college are obtained through various sources starting from Principals' conference convened by the Manager to the students' feedback drawn through the Tutorial System. The PTA meetings, both college level and department level, furnish the responses and opinions of the parents about the college and its activities. The Alumni Association periodically meets and discusses matters related to the college apart from the Association's activities.

The views expressed in such discussions are conveyed to the Principal for the consideration of the college, so that modifications may be effected. The Tutorial System is the main source of information about the students' academic and co-curricular stature. The tutors record all data about each student throughout the programme and this becomes a complete document delineating the progression of the student. Students are given a form to fill up, without revealing their identity, in which they record their honest opinion about each teacher. The teachers can realise their strength and weakness from the students' opinion about them, and bring in necessary modifications in their attitude, approach and method of teaching. The college utilises all the information drawn through the feedback for introspection and adopting right means of correction, modification and up gradation.

The extension and environmental awareness programmes organised by the college have a marked effect on the perception of the society at large about the institution. The college is looked up to by people in the neighbourhood for the social service activities carried out by the college. The analysis of water in the nearby wells is ample proof of the attempt of the college to make use of its expertise in finding solutions to common problems. The college extends financial support to the needy, builds houses to the homeless, waiting shed for the commuters, distributes food packets to the patients of RCC, financial and study material support to financially backward students, etc. The college, well known for its academic, research, and extracurricular activities, gets a boost about its perception because of the novel extension activities that it practices as a habit.

3.6.4 How does the institution plan and organize its extension and outreach programmes? Providing the budgetary details for last four years, list the major extension and outreach programmes and their impact on the overall development of students.

The IQAC in consultation with the Academic Committee prepares the academic calendar, which contains sufficient space for extension and outreach activities. The extension programmes to be carried out in a year are finalised in a meeting of the faculty in charge of NCC and NSS and conveners of various clubs. The various club activities are monitored by a Co-ordinator. Programmes are arranged by respective clubs for the observance of important national and international days like Independence Day, Republic Day Environment Day, Ozone Day, Population Day, World AIDS Day, Anti-narcotics Day, World Women's Day, National Science Day, Mental Health Day, International Human Rights Day etc. The main financial sources are the PTA, faculty and the College Union. NSS and NCC utilise the funds allotted by the university and the NCC Directorate respectively. Some of the major programmes arranged during 2009-2014 are shown below:

Sree Narayana Study Centre

- Talk on Sree Narayana Guru – the Great Financial Advisor by Dr. C. Meera
- Orientation classes for faculty and students on Sree Narayana Guru and Empowerment of the Down-trodden
- Book Exhibition and Seminar

- Talk on *Daivadasakam* and its significance by Sri. Dharmachaitanya Swamikal of Adwaitha Asramam, Kottayam & Book release of Hindi translation of *Daivadasakam* by Dr. S Mahesh (18-03-2014).
- Quiz Competition (14-10-2014) & Talk by Smt. Sini V (13-11-2014)

Women's Studies Centre

- Orientation Programme by Women Development Corporation from 19-8-2009 to 21-8-2009
- Awareness class on health problems of girls by Dr.Uma, Medical College Thiruvananthapuram.
- Talk on Women Empowerment by Justice D. Sreedevi on 21-11-2011
- Lecture by Ms. Philomina Cedric on "Domestic Violence" (21-01-2013)
- Awareness of gender issues by "One Billion Rising" (2-2-2013)
- International Women's Day (8-03-2013)
- Workshop on "Self Defence" (27-10-2013)
- Journalism as a Career – Orientation programme by Smt. S. K Mini & Sreeja (Journalist)

Health Education Club

- Seminar on "Physical Health"- Dr S. Thankam and Dr. Mini Arun Kumar (Anadyil, Hospital, Thiruvananthapuram (10-10-2011)
- Talk on Yoga, Meditation and Stress Management by Dr. Anjana R (2-2-2013)
- Talk on "Assertiveness in Women" by Smt. Tinsy Ramakrishnan, Research scholar, Department of Psychology, University of Kerala (13-2-2012)
- Cancer Awareness (6-2-2012)
- Exhibition on "Tips for enhancing mental health" (10-10-2012)
- Health Quiz (11-03-2013)
- Campaign against alcoholism and drug addiction (6-12-2013)
- Class on Yoga techniques (14-3-2014)
- Free Dental Medical Camp 11-3-2014 (PMS College of Dental Science and Research)
- Diabetics detection Camp (17-2-2014) by Govt. Nursing College.
- Cancer Awareness (4-2-2014)
- Talk on "Health and Hygiene" by Smt. Prameela, Deputy District Education and Media Officer (30-11-2014)

Media Club

- Orientation Programme on 'Media and Violence'
- Exhibition on 'Nature Photography'
- Talk on 'Media, Communication and Literature', Sebin Iqbal, Business India (06-01-2012)
- Classic Film Fest (06-01-2012)
- Photo Exhibition (27-02-2013)
- Photo Exhibition of travel by Dr.Manu Ramakant (28-02-2013)
- Craft Exhibition (11-03-2013)
- Instant News Letter: Campus Voice (19-03-2013)
- Photo Exhibition (04-11-2013)
- Anti- Drug Campaign (29-11-2013)

- Quiz On 'Prem Nazir', Great Film Actor (17-01-2014)
- Class on DSLR Photography (06-02-2013)
- Ambition-2014, Career Guidance programme (06-11-2014)
- Documentary Show, 'Sparsham'(18-11-2014)

Debate Club

Debates on the following topics were organised by the club.

- 'Corruption in India'
- 'Women and media' (12-09-2010)
- 'Increasing Criminality among adolescents' (06-12-2010)
- 'Violence against women' (18-02-2011)
- 'Reality Shows' (13-12-2011)
- 'Arranged Vs Love Marriage'(18-01-2013)
- 'New generation Films Vs Old generation Films' (22-01-2013)
- 'Over Concern of Parents' (14-02-2013)
- 'Social Media- Uses and Abuses' (01-03-2013)
- 'Do media have a role in the objectification of Women? (12-08-2013)'
- 'Campus Politics' (11-09-2013), 'Safety of Women (18-11-2013)
- ' Western Culture Influence in Younger Generation'(06-01-2014)
- National Unity Day- Pledge and Debate Competition on 'Nationality and Sardar Vallabhai Patel'(31-10-2014)

Career Guidance and Counselling

- Three day training programme on 'Career Opportunities'
- Counselling Session for students by Department of Psychology
- Training programme for the 'Preparation of Curriculum Vitae'
- Awareness programmes of opportunities

Anti-Ragging Cell

- Talk on 'Psychological aspects of ragging'
- Display of boards on ill effects of ragging

Literary and Book Club

- Classes on writing skills by Smt. G. Asa, Smt.S.Sudha, Smt.Sarika
- Quiz Competition (02-02-2009)
- Quiz Competition (23-09-2010)
- Book review Competition (16-02-2012)
- Anti-Drug campaign (29-11-2013)
- Workshop on 'Women's Studies' Dr.J.Devika (CDS) and Smt. Sunitha Balakrishnan (Censor Board) (10-03-2014)
- Workshop on 'Writing for the Media'

Nature Club

- Talks on 'Importance of Forests for the Natural Habitat' Sri.Vinayan.R and K.Udayan Nair, Social Forestry Division (10-11-2011)
- One day tour to TBGRI, Palode(10-12-2011)
- World Environment Day Celebrations
- Planting of star trees (31-06-2014)

Planning Forum

- Orientation Class (30-09-2011)
- Quiz Competitions (29-11-2011 & 13-12-2011)
- Poster exhibition on Lokpal Bill (19-01-2012)
- Debate on 'Environmental Pollution (23-03-2012)
- Role of Youth in Development by Dr.M.Beena IAS (2012)
- Police and Youth by P.Vijayan IPS (2013)

Human Rights Forum

- Orientation Programme (09-12-2011)
- Discussion on 'Problems faced by Women and Children' (09-12-2011)
- Lecture on 'Corruption and Civil Society in India' Padmasree N.R. Madhava Menon (13-01-2012)
- Talk on ' Role of Youth in the Protection of human Rights' Justice J.B. Koshy (16-02-2012)
- Talk on ' Electoral Reforms: Challenges Ahead' Mr. Sasidharan Nair, State Election Commissioner(2013)
- Observance of Human Rights-A talk by Dr.Alexander ,Principal,St.Domenic College,Kanjirappally(10-12-2014)

Performing Arts

- "**Octave 2009**" Won prizes in duet song and folk song
- Voice Hunt Competition, Appu A bagged first prize and became "Yuva 2010"
- "Dhwani 2011" Sanju Soman bagged third prize (24-10-2011)
- "Vayalar Anusmaranam" (22-10-2012)
- Cultural fest of Lourde Matha Engineering College, Best Journalist Award for Abhina Fathima & Second Prize for Mime
- Baslios Fest, Amal Raj, third prize for spot dance
- "Vayalar Anusmaranam" Light Music Competition on (22-10-2013)
- Participated in the **Equinox AUFait** (Cultural fest of SCT College), and **Ivano fest**(Cultural fest of Mar Ivanios) and won first and second prizes.
- Participated in the **State Youth Festival** and won prizes in instrument and poster designing
- Competition on the recitation of Daivadasakam on (08-10-2014)

Science Club

- Science Exhibition as part of National Science Day (28-02-2010)
- Quiz competition (24-01-2012)
- Seminar on "Nuclear Power Plants" (30-01-2012)
- Poster Exhibition on "Drug Abuse"(29-11-2013)
- Talk on " Fostering Scientific Temper" Dr.Krishnan Sivasubramoney, Medical College(2014)

Red Ribbon Club

- Blood Donation Campaign (01-10-2012)
- Poster Exhibition on World AIDS Day (01-12-2012)
- Positive talk by Sri. Suresh, HIV Patient
- Blood Donation Campaign (01-10-2013)
- Poster Exhibition on World AIDS Day (01-12-2013)
- Blood Donation Campaign (01-10-2014)
- “AIDUCATION” Poster Exhibition on World AIDS Day (01-12-2014)

Teens Club

- Inauguration of Health Corner, Talk by Dr.M.Beena IAS, NHRM
- Talk on ‘Yoga and Stress Management’ by Dr. Anjana R(12-03-2013)
- Health Quiz (14-03-2013)
- Talk on ‘Reproductive Health in Young Women’ by Dr. Mini Arunkumar
- Blood donation Campaign, talk by Dr.Saravana Kumar (02-03-2014)
- Medical Camp (08-03-2014)
- Awareness class on cybercrime by N.Vijayakumaran Nair ,DYSP, Hi-Tech cell
- Free Drug Distribution for Filariasis (20-03-2014)
- ‘Life Style Diseases’ Awareness Class by Dr.Benny.P.V. (IMA, Kazhakuttam)

NCC**2009-2010**

- Participation in Camps: Army Attachment Camp at Dehradun (2 cadets), Advanced Leadership Camp in Maharashtra (1 cadet), trekking Camp in Gujarat (1 cadet), Paragliding camp at sainik School (15 cadets), Blood donation camp at RCC (10 cadets), Traffic regulatory Acts (30 cadets). Capt. S.S.Biju participated in the NIC camp at Mumbai.

2010-2011

- Independence Day and Republic Day Celebrations.

2011-2012

- Ratheesh R Nair participated in the Pre- RD parade camp and Vishnu Sivan, attended a National camp.

2012-2013

- Traffic awareness Programme
- Cleaning campaign on Gandhi Jayanthi
- Participation in National Camp (11 students)

2013-2014

- Traffic awareness Programme
- Cleaning campaign on Gandhi Jayanthi
- Independence Day Celebrations
- Republic Day Celebrations.

NCC (Girls)**2011-2012**

- Participation in annual training Camp (27 cadets)
- Participation in Pre- RD camp (2 cadets)

2013-2014

- Republic day Celebrations

NSS**2009-2010**

- Blood donation camp, Traffic Awareness drama,
- World Population Day (11-07-2009), Talk by Dr.R.Mohana Chandran Nair, Department of Demography, University of Kerala
- Orientation Class, Cleaning campaign on Independence Day
- World Literacy day, Seminar, Dr. K.Sivadasan Pillai(09-09-2009)
- Blood Donation Day (01-10-2009) & Children's Day (14-11-2009)
- Socio-economic Survey for Sreekariyam Panchayat
- Construction of Bus Waiting Shed at Chempazhanthi Junction
- Annual Camp (14-12-2009 to 24-12-2009)

2010-2011

- Annual Camp for 10 days
- Nature Camp & Blood Donation Campaign
- Plastic and Waste removal
- Legal Literacy Awareness Programme
- Inter- Departmental Quiz Competition
- Campaign against ragging and Drug Abuse

2011-2012

- International Blood Donors Day (14-06-2011)
- National Blood Donation Day (01-10-2011)
- World AIDS Day (01-12-2011)
- Annual Camp (22-12-2011 to 28-12-2011)
- Nature Camp & Blood Donation Campaign
- Plastic and Waste removal
- Training in Embroidery and Glass Painting
- Inter- Departmental Quiz Competition
- Campaign against Ragging and Drug Abuse

2012-2013

- Blood Donation Day Class by Sri.K.P.Rajagopalan (All India Blood Donors Society)
- World AIDS Day, Poster Competition (01-12-2012)
- Health Corner, Visit by Dr.Beena IAS (NRHM)
- Talk on 'Yoga and Stress Management'(12-03-2013)
- Orientation Class by Sri Brahmanayakam
- Road safety and Traffic Awareness Programme, Talk by Sri. Sreekumar, Asst. Motor Vehicle Inspector
- Talk on 'Life Style Diseases' Dr.Manju. P, Medical College, Thiruvananthapuram

- Talk on 'Importance of Social Service among Youth', Major. Dinesh Bhaskaran, Regional Co-ordinator, Kerala Social Security Mission
- Anti- Suicide Day, 13-09-2012
- Orientation Class by Dr.L.Thulaseedharan Former Coordinator, NSS, VHSE
- Personality development, Dr.Swapna Gopinath
- Blood Donation Day (01-10-2012)
- Cleaning Campaign on Gandhi Jayanthi Day
- Children's Day, Poster Exhibition on 'Children's Rights'
- World AIDS Day, Poster Exhibition
- Launch of 'Bodhi' , a mental health awareness unit

2013-2014

- World environment Day, Planting of trees (05-06-2013)
- Quiz Competition on 'Sree Narayana Guru' (20-08-2013)
- 'Nammude Maram' Programme (22-08-2013)
- 'Acharya Devo Bhava' Teacher's Day celebration(05-09-2013)
- NSS Day Celebration (24-09-2013)
- Blood Donation Programme (01-10-2013)
- Gandhi Jayanthi Celebrations
- Guru Santhwanam, Contribution of Rs. 10,000/- to ailing father of a student
- Preparation of Blood Donation Directory (25-10-2013)
- World AIDS Day, Awareness Class
- Leadership training Camp for three days from 14-12-2013 (6 volunteers)
- Annual Camp (19-12-2013 to 26-12-2013)
- Seminar on 'Humanism and Brotherhood of Man in the Teachings of Swami Vivekananda'(15-01-2014)
- Free Drug Distribution to eradicate Filariasis(20-03-2014)

2014-2015

- World Environment Day, Planting of Trees
- Blood Donation Directory, (20-06-2014)
- Anti- Narcotic Campaign (26-06-2014)
- Blood donation Camp (01-07-2014)
- 'Nakshathra Vanam' Project (31-07-2014)
- Hiroshima Day, Film Show on horrors of war
- Independence Day Celebrations
- Institution of 'Thulika' award for best malayalam hand written magazine
- Personality Development Class by Sri.G.V.Hari(23-08-2014)
- Launch of Pusthaka Thottil', to distribute books to adopted village, Ambedkar Colony (24-08-2014)
- Contribution of Rs.8002/- to Kashmir Relief Fund
- Blood Donation Camp (29-02-2014)
- International Day for Elderly,Honored 10 chosen elders with New Dress (01-10-2014)
- Guru Santhwanaum, renovation of Kacha house (07-11-2014)
- Contribution of Rs.25,000/- for Cancer treatment of a child

- Short Film Show 'Lousis' on HIV (10-11-2014)
- Red Ribbon Day, Positive talk by Smt. Jaya Gomus (KSACS)

3.6.5 How does the institution promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International agencies?

In the induction programme, Know Your College, arranged by IQAC for the freshers, the faculty members in charge of NSS, NCC and various clubs explain in detail the extension activities. The Department Heads organise and class tutors execute, with student participation, departmental extension activities.

3.6.6 Give details on social surveys, research or extension work (if any) undertaken by the college to ensure social justice and empower students from under-privileged and vulnerable sections of society?

The college has insightful plans to do social surveys to understand the issues of the underprivileged and vulnerable sections of the society. The prioritized areas of concern are identified and the Research Committee gives top priority to such type of extension and research supports. Some of the very socially significant research works are given below :

1. Socio-economic issues of Fisher folk due to Rough Sea

A large number of our are from the fisher men community. Their life is closely linked to winds and waves. Taking cues from the plight of such students, the college conducted an analytical study about the psycho-social and economic problems of fisher folk of Valiyathura, the most hard-hit coastal region in the proximity.

2. Reflections on socio-economic dimensions of Women IT Professionals of Technopark

We conducted a study on the impact of long and stressful stretch of work hours engaged by women IT professionals in Technopark, Thiruvananthapuram on the background that vast majority of them live away from their families and have to move about along the roads at odd hours before and after their work.

3. Psycho-social Problems of Old Age

The long life span, nuclear familial set up, increasingly competitive life and depletion in moral and ethical values are the primary causes for the mushrooming of old age homes in Kerala. Most of them are run for profit making, not for social amelioration. Therefore, a realistic study on the psycho-social problems of the inmates of such homes is relevant. In this context, the college conducted such a study.

4. Socio-economic issues of Kani tribes in Peppara

Inorder to initiate a discussion on the life situations of the Kani tribes who are excluded from the mainstream of the society, our students conducted a study on the socio-economic conditions of the tribe in Peppara. The study revealed the miserable social conditions and life situations of the tribe.

5. Social Networking Media Usage among Teenage Students

Teenagers share a wide range of information on social networking media; indeed the sites themselves are designed to encourage the sharing of

information. The impact of this trend is disputed on the wake of the increase in cyber crimes. So the college conducted a study on the impact of social networking media usage on the teenage students of various colleges in and around Trivandrum city. The was studied.

6. Psycho-Social Problems of Female Prisoners

Studies document that women prisoners have high rates of psychological distress and mental health problems. In addition to the common kinds of distress, women are more vulnerable towards gender discrimination, neglect, violence, physical and sexual abuse. The Nirbhaya issue is an example. The college conducted a study to find out the social and psychological problems faced by female prisoners in Attakulangara prison.

7. Issues of Waste Management in Vilapilsala

The debris dumping problem which attracted wide social attention in the 21st century is the waste menace especially in Vilappilsala panchayat. The problem is not a local issue, but a global one. Hence, the college tried to understand various aspects of the waste disposal problem realistically to find out practical solutions which can be followed by the whole state.

8. Functional role of Anganwadis in rural areas of Thiruvananthapuram District.

Anganwadi is a government sponsored programme for child-care and mother-care in India. The present study analysed the various services rendered by the *Anganwadis* of Trivandrum district for rural community welfare. The social issues faced by Anganwadi workers while rendering community services as well as the economic difficulties faced by them were also investigated.

3.6.7 Reflecting on objectives and expected outcomes of the extension activities organized by the institution, comment on how they complement students' academic learning experience and specify the values and skills inculcated.

The institution believes that the co-curricular and extracurricular activities are not a hindrance to learning but a booster to it. Social service exposes the ground realities to the students and motivates them to involve deeply in social development activities which are the real nation building endeavours. The extension activities improve their communication skills and augur well for working in a group. The values like patriotism, compassion for fellow humans, selfless service are inculcated among the students by these activities.

3.6.8 How does the institution ensure the involvement of the community in its reach out activities and contribute to the community development? Detail on the initiatives of the institution that encourage community participation in its activities?

The institution before finalising the community service, keeps in touch with the Local Bodies, Residents' Associations, Parents, etc. to involve them in extension activities. The programme is chalked out after due consultation with official organisations and Non-Governmental Organisations.

3.6.9 Give details on the constructive relationships forged (if any) with other institutions of the locality for working on various outreach and extension activities.

The college has tied up with Kerala Aids Control Society, Regional Cancer Centre, Loyola College of Social Sciences, Hindustan Latex Limited, National Centre for Earth Science Studies, National Institute for Interdisciplinary Sciences and Technology, etc. for the conduct of various programmes. The sharing of their expertise and experience has helped in successful execution of student and extension activities.

3.6.10 Give details of awards received by the institution for extension activities and/contributions to the social/community development during the last four years.

In 2008 we got three NSS awards of the University of Kerala : Best Unit, Best Programme Officer, Best Volunteer (Aparna S. Mohan). Dr.A.Shaji won the best NSS Programme Officer award for his meticulous social service. The units bagged two awards for blood donation in 2009, one from Terumo Penpol Ltd. and the other from State Aids Control Society. During 2011, the NSS unit received a Special Award from the University.

3.7 Collaboration

3.7.1 How does the institution collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits accrued of the initiatives - collaborative research, staff exchange, sharing facilities and equipment, research scholarships etc.

Most of the collaborations of the college come about because of the association between the members of our faculty of our college and the eminent scientists and academicians of reputed institutes. Some of these associations have turned out to be long term collaborations in research. The research carried out by Dr.S.Suma of the Department of Chemistry involves Synthesis of Novel Coordination Compounds. It requires the use of Single Crystal X-ray Diffraction Studies. The crystallographers of IIT, Madras and Cochin University of Science and Technology are the collaborators for the refining of X-ray diffraction data.

3.7.2 Provide details on the MoUs/collaborative arrangements (if any) with institutions of national importance/other universities/industries/corporate (Corporate entities) etc. and how they have contributed to the development of the institution.

- The members of the faculty have research collaborations with national institutes like RGCB, RCC, University of Delhi, JNTBGRI, CTCRI, NIIST, IISc, etc. for the doctoral work of their research scholars and also for their major and minor research projects.
- MoU already exists between the college and Hindustan Latex Limited for carrying out M.Sc. research projects there.
- There is also a collaborative arrangement with National Centre for Earth Science Studies (NCESS) for evaluation of biological and

chemical contamination of well water in the neighbourhood.

- We have also entered into an MoU with Santhigiri *Siddha* Research Foundation, Pothencode for the physico-chemical characterization of some herbo-mineral preparations in the ancient traditional medical system of Siddha.
- The students are also selected for their project work in VSSC, NIIST, CTCRI, Government Ayurveda College and NCESS.
- The students get an opportunity to work with eminent scientists in their chosen field and to make use of the sophisticated instrumental facilities available there. The short stay there motivates them to pursue a research career in future.

3.7.3 Give details (if any) on the industry-institution-community interactions that have contributed to the establishment / creation/up-gradation of academic facilities, student and staff support, infrastructure facilities of the institution viz. laboratories / library/ new technology /placement services etc.

- ❖ Several of our students got appointment as project fellows in CSIR-NIIST, NCESS etc., after the completion of their PG programme, thanks to our collaboration with these institutes.
- ❖ Divya Chandran A. of M.Sc. Chemistry was awarded the CSIR-OSDD Scholarship (TCOS) of Rs.30000/-, for carrying out her dissertation titled Optimization of Antimalarial Activity of 4-Aminoquinoline derivatives: QSAR, CoMFA analyses and Docking Studies under the guidance of Dr. I.G. Shibi.
- ❖ Rajeev M.R of M.Sc. Chemistry was awarded the CSIR-OSDD Scholarship (TCOS) of Rs.30000/-, for carrying out his dissertation titled *In silico* Methods to Evaluate the Anti-malarial Activity of Some Herbs Used in Traditional Medicines under the guidance of Dr. I.G. Shibi.

3.7.4 Highlighting the names of eminent scientists/participants who contributed to the events, provide details of national and international conferences organized by the college during the last four years.

The names of some of the eminent persons who attended various functions organised by different departments in the college and interacted with the faculty and the students are enlisted below :

Table 3.12 Some eminent persons who attended various functions

Department	Date	Eminent persons	Designation
English	4-11-2009	Dr. Alexander Jacob. IPS.	Additional Director General of Police
Politics	9-11-2009	Dr. P. J. Alexander. IPS	Former Director, IMG.
Economics	2-11-2009	Prof. S. Kevin	Former Pro-vice Chancellor, University of Kerala

Psychology	30-10-2009 19.12.2011	Dr. V. George Mathew	Former professor and HoD, Dept. of Psychology, University of Kerala
Sociology	12-11-2009	Dr. James Vadakkumchery	Criminologist, Faculty, State Police Training College
Mathematics	13-11-2009	Dr.S.Madhavan	Former Prof and HoD, Dept. of Mathematics, University college, Thiruvananthapuram
Botany	5-11-2009	Dr. A.Sabu	Scientific Officer, Kerala Biotechnology Commission
Zoology	11-11-2009	Dr.C R.Soman	Chairman, Health action by people, Thiruvananthapuram
Physical Education	19-11-2009	Dr.S.Sureshkutty	Reader, Department of Physical Education, University of Kannur
History	16-11-2011	Dr. K. K. N. Kurup	Former Vice Chancellor, University of Calicut
Chemistry	15.12.2011	Dr. R.K. Sharma,	University of Delhi
Sociology	12.12.2011	Dr.M.K.C. Nair	Director, CDC, Medical College, Thiruvananthapuram.
History	13.12.2011	Dr.T.P.Sankarakutt y Nair	HOD (Retd.), University College, Thiruvananthapuram
Botany	10.1.2012	Dr.N.Mohan	Scientist, TBGRI, Palode
English	6.1.2012	Sebin Iqbal	Senior Editor, Business India
Political Science	13.1.2012	Padmasree Prof. N.R. Madhava Menon	Founder Vice-Chancellor of the National University of Juridical Sciences
Political Science	16.2.2012	Justice J.B. Koshy	Chairman, SHRC
Zoology	19.1.2012	Dr. A. Bijukumar	HoD, Department of Aquatic Biology & Fisheries, University of Kerala.
Geology	22.2.2012	Prof. Manoj E.V	Professor, Department of Geology, University College, Thiruvananthapuram
History	22-3-2013	Dr.P.Rajendran	Archaeologist and UGC Scientist, University of Kerala
Sociology	25-3-2013	Smt. Lida Jacob.IAS	Commission for Right to Education Act, Kerala
Physics	27-3-2013	Dr.K.C.Gopchandran	Assistant professor, Dept. of Optoelectronics, University of Kerala

Zoology	19-3-2013	Dr. C. Shambhu	Associate Professor, King Abdul Azeez University, Jiddha, UAE.
Commerce	21-3-2013	Dr. K.Sreeranganathan	Director, School of Management, M.G.University
English	18-3-2014	Dr. Meera .T. Pillai	Institute of English, University of Kerala
Economics	17-3-2014	Sri. Salim Gangadharan	Former Regional Director, Reserve Bank of India, Thiruvananthapuram and Lakshadweep
Sankar's Day	07.11.2013	Sri. D. Babu Paul (IAS)	Former Additional Chief Secretary
Zoology	20-3-2014	Dr.Indu.P.S.	Professor, Dept. of Community Medicine, Government Medical College, Thiruvananthapuram
Geology	21-3-2014	Shri.M.P. Muraleedharan	Deputy Director General (Retd.), Geological Survey of India
Sociology	10-07-2014	Prof. M. K Prasad	Former Vice Chancellor, University of Calicut
Chemistry	17-07-2014	Sherin Mary Samji	Sci-Edge Information, Pune
NCC	25-07-2014	Maj. Gen. B. Chakrovarty	Addl. D.G, NCC (K&L)
History	21-08-2014	Dr. N. Veeramanikandan	Pro. Vice Chancellor, University of Kerala
Sociology	16-10-2014	Dr.Jacob John Kattakayam	Former President, Indian Sociological Society
	17-10-2014	Dr. Pameela	Member, Kerala Women's Commission
IQAC	19-09-2014	Dr. S.V Sudheer	Director, UGC Academic Staff College, University of Kerala
Sociology	16-10-2014	Smt. Beena Paul	Artistic Director, IFFK,
	17-10-2014	Smt. R. Sreelekha IPS	ADG of Police
Sankar's Day	07.11.2014	Sri. Vakkom B Purushothaman	Former Governor, Mizoram
Golden Jubilee	18-11-2014	Justice. P. Sathasivam	<i>Honorable Governor of Kerala</i>
Botany	27-11-2014	Dr. Pramod .G. Krishnan, IFS	Conservator of Forests, Wildlife, Palakkad, Kerala
		Dr. K.H. Amita Bachan	Research Director, Western Ghats Hornbill foundation, Thrissur, Kerala.

	28-11-2014	Dr. P.G. Latha	Director, JNTBGRI, Palode
	28-11-2014	Dr. N. Mohanan	Scientist & Head, Garden Management Division, JNTBGRI, Palode
	28-11-2014	Dr. S.K. Chakrabarti,	Director, Central Tuber Crops Research Institute, Sree Kariyam, Thiruvananthapuram
History	09-12-2014	Prof. V.N. Rajasekharan Pillai	Former Vice-Chairman UGC
	09-12-2014	Dr.J.V.Vilanilam	Former Vice-Chancellor, University of Kerala

3.7.5 How many of the linkages/collaborations have actually resulted in formal MoUs and agreements? List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/or facilitated -

a) Curriculum development/enrichment

The faculty members of the college in the various academic bodies like Syndicate, Senate, Academic Council, Board of Studies of the University of Kerala make sure that the syllabus is periodically revised and the latest developments in the subject are included. The faculty of the Department of Chemistry is associated with the Academy of Chemistry teachers (ACT), a professional organisation of chemistry teachers of the University of Kerala. Dr.I.G. Shibi of the Department of Chemistry as the General Secretary of ACT and the Chairman of the Board of Studies (UG) of the University of Kerala, along with other faculty members was responsible for introducing Microscale Analysis, an environmental friendly technique, for Chemistry practicals. He has also been instrumental in introducing Spectroscopic Analysis of Organic Compounds in the PG practical syllabus. The whole strategy was drafted in a workshop conducted in our college. A national training program in Computer Aided Drug Design conducted in the institution was the first of its kind in the state. The other faculty members of our college in the university bodies also try to update the syllabus periodically and enrich the curriculum incorporating, the latest developments in their subjects. The cooperation with premier research institutes, academic institutions has helped for internship and student placements. We always try to send our students for seminars and enrichment classes organised in other academic institutions and invite them to our college when we organise programmes. This has helped our faculty and students to venture into new areas and to establish new relationships to further their research interests and career. Dr.I.G.Shibi and Dr.Reena Ravindran, Department of Chemistry are now members of the Boards of Studies of some new Autonomous colleges.

b) Internship/On-the-job training

We send our students to Research establishments for the completion of dissertation work, project etc.

c) Summer placement Nil**d) Faculty exchange and professional development**

Some of our faculty are invited to various academic institutions for academic exchange programmes. This has resulted in the publication of research articles in reputed international journals.

e) Research

A good number of the faculty possesses Ph.D. and is active in research. Several research projects are taken up by the faculty.

f) Consultancy

Consultancy services are offered to four firms by Dr. Aravind Thampi of the Department of Psychology.

g) Extension

The institution promotes a good number of extension services under the *Gurusanthwanam* programme. Department of Sociology and the Department of Psychology and NSS are carrying out many extension research activities.

h) Publication

The faculty and the students publish articles in international and national journals, periodicals, newspapers, and magazines.

i) Twinning programmes

Nil

j) Introduction of new courses

MA English was started in the year 2013.

k) Student exchange

Nil

3.7.6 Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/ collaborations. Any other relevant information regarding Research, Consultancy and Extension which the college would like to include.

The IQAC in consultation with Research Committee, NCC, NSS, and various clubs formulate the policy for research consultancy and extension. The college provides all sorts of support to the faculty for research, consultation and collaboration activities. The IQAC of the college is very keen in ensuring high standard in all academic and research activities. The academic and research programmes and the interaction with eminent scholars motivate students to work in emerging areas and research activities. There is accurate documentation of all the processes and transparency in all the activities.

Criterion IV

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

4.1.1 What is the policy of the institution for creation and enhancement of infrastructure that facilitate effective teaching and learning?

The teaching and learning processes undergo drastic changes as knowledge and technology register tremendous shifts. Hence, to cope with the fast changing requirements, infrastructural facilities need to be modified swiftly. Therefore the institution has formulated an infrastructural policy so as to execute prompt changes that the emerging requirements demand. The college, at its commencement in 1964, developed the infrastructure as per the necessities of the time. As the college developed into a first grade PG college with thirteen UG and three PG courses, and two Research Centres, from a junior college, the infrastructural facilities also increased as an inevitable accompaniment, fulfilling the requirements excellently, owing to the adaptability and flexibility of the original policy.

The Infrastructural Policy of the college consists of policies regarding General Infrastructure, ICT Infrastructure, Library, Research and Extension and Recreational Facilities. The salient policies drafted out are presented below:

(a) General Infrastructure

The college provides sufficient number of class rooms and laboratories with optimum operational ease. The facilities in these include sufficient ventilation, furniture, equipment and instruments, moving space and materials. The college provides sufficient comfort space to all the stakeholders. These are augmented as the demands increase. Creation, enhancement and maintenance of infrastructure are undertaken to assist the college in effectively fulfilling its mission of teaching, learning, research, recreation and extension.

(b) ICT Infrastructure

Compatible to the modern techniques of curriculum delivery, state-of-the-art teaching methods are adopted to cater to contemporary and futuristic needs. We employ current technologies such as ICT in classrooms and other learning areas. By converting the mode of activities to ICT backed, the functioning of the office has become prompt and time saving. It has made the retrieval of back-data easy. Accounting, book keeping, salary disbursement, bill preparation, disbursement of scholarships, stipends and grants to students, preparation and presentation of reports, etc. are all done by means of ICT so that the efficiency and accuracy of the functioning of the college office have increased immensely. The library is also ICT enabled. The admission process of the college is fully computerised in line with the university's centralisation

and computerisation process. Procedures for conducting examination, from registration to issuance of hall tickets, are done electronically. The publication of results is also online. The outcomes of internal assessment are uploaded to the university portal by the college. Most of our internal and external communication has now become online. The ICT infrastructure policy has made the generation and preservation of documents and records easy, quick and safe.

(c) Library Policies

The college library is well automated and the library service is completely converted to the computer assisted mode. The library stack is ever swelling with timely addition of books, journals, periodicals, CDs, etc. which furnish with new knowledge in all disciplines and innovative technical approaches. Library service has been modernised with barcoded system and reprographic facilities. The library acquires, maintains and ensures efficient use of the latest hardcopies /soft copies of books, journals, documents, reports and other learning resources. The library facilities are regularly upgraded. The library is developed as a hybrid knowledge resource centre offering both print and electronic resources. The library follows the open-access system. The internally generated knowledge resources such as dissertations, project reports, theses, books, journals, journal articles and conference proceedings are documented and made available in the library.

(d) Research and Extension

The formal higher education system should lead scholars to innovations, for which they have to engage in research activities. This culture of research should be transmitted to the younger generations so that human endeavours to access the hidden truth is speeded up. The college encourages research in all possible fields of knowledge not only by the faculty but also by the scholars so that the range of knowledge widens and the students imbibe the spirit of innovation.

Our departments are well equipped with full-fledged laboratories and libraries that fulfil the research requirements of the students. The two Research Departments, the Departments of History and Chemistry provide all research facilities to students and faculty, who, by performing excellently in academic and research programmes held at other knowledge centres, research establishments and institutions of higher studies, bring laurels to the college. The research and extension facilities of the college fulfil our mission to provide all encouragement to positive research and to prepare our faculty and students to radiate innovative and useful knowledge which motivates others to follow suit.

(e) Recreational Infrastructure

According to our perspective education is not a dry drudgery of erudition but an entertaining attainment of enlightenment. In order to materialise this vision our education system encloses recreational activities and engagements also in its fold. The college provides ample opportunity to students and faculty to engage in cultural and athletic activities in order to make the education process delightful. The college has various functional clubs which encourage and enhance the creative talents in students like

literary, musical, artistic, oratorical and histrionic talents. The Department of Physical Education, itself functions for developing the sports talents in students. For all such activities the college provides every supportive facility. Club activities play an important role in gratifying the students with the charm and flair of campus life. The different clubs actively contribute to the nurturing of individual tastes and capabilities effectively. The UG programmes have club activities as a part of the curriculum.

4.1.2 Detail the facilities available for a) Curricular and co-curricular activities –classrooms, technology enabled learning spaces, seminar halls, tutorial, spaces, laboratories, botanical garden, animal house, specialized facilities and equipment for teaching, learning and research etc. b) Extra-curricular activities - sports, outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, public speaking, communication skills development, yoga, health and hygiene etc.

Table 4.1 The room facilities available for teaching and research in various departments

Sl. No	Department	Staff room	Class room	Library	Laboratory	Computer Lab	Research room	Total
1.	English	1	5					6
2.	Malayalam	1						1
3.	Hindi	1						1
4.	History	2	3	1			1	7
5.	Political Science	1	2					3
6.	Economics	1	3					4
7.	Psychology	2	2		1			5
8.	Sociology	2	3					5
9.	Mathematics	2	3					5
10.	Statistics	1	0		1			2
11.	Physics	1	2		1	1	1	6
12.	Chemistry	3	3	1	3	1	3	14
13.	Botany	2	1		1		1	5
14.	Zoology	2	1		1			4
15.	Geology	1	0		2			3
16.	Commerce	2	3					5
17.	Physical Education		1					1
	TOTAL	25	32	2	10	2	6	77

(a) Facilities for Curricular and Co-curricular Activities

The college has sufficient facilities for curricular activities as follows:

- ❖ There are thirty two classrooms with enough number of benches and desks for the students, and separate chairs and tables for teachers. For teaching purpose we have blackboards in all the classrooms. In all the final year UG classrooms and all the PG classrooms we have both white and blackboards. There are four portable white boards for sessions conducted outdoors.
- ❖ Three of our classrooms have been converted to smart classrooms with smart-boards. LCD projectors are mounted in the Seminar Hall, Computer Labs and other classrooms attached to six of the departments. Two LCDs and one laptop are kept for common use. 80 per cent of the teachers have personal laptops. The students have free access to the common computer facilities. High-speed Internet connectivity is provided for all the departments. The campus is not Wi-Fi enabled, to avoid misuse of the facility by the students.
- ❖ Instrumentation Rooms and Wet Labs are also available. For developing the soft skills and communication competence the college provides digital resources, communication CDs and aids to develop Spoken English.
- ❖ The PTA funded 'Trippadam' auditorium was inaugurated during the Silver Jubilee Celebrations. This aesthetically designed structure has modern audio-visual facilities and provides a perfect ambience for holding even national and international scientific and cultural meets. The auditorium is very spacious and can accommodate more than 1000 people. It is used for the conduct of exhibitions, workshops, cultural programmes and meetings. The college extends the auditorium facility to our sister institutions, SN Gurukulam Higher Secondary School and Sree Narayana Guru College of Advanced Studies which function in the campus.
- ❖ The college has two Seminar Halls, one a common Seminar Hall and the other attached to the Department of Chemistry, and a guest room. The common Seminar Hall has a seating capacity of 200, the seminar hall of the Department of Chemistry has a seating capacity of 100. The common seminar hall has all the modern facilities, public address system, power generator and energy saving LED lighting.
- ❖ The open air auditorium in the arts block quadrangle makes the most of the natural legacy of the lush green campus. There is a raised temporary stage constructed facing the college ground. These two are the venues for regular cultural activities and celebrations such as Arts Day, Onam, Christmas, Id and College Day celebrations, College Union and Alumni activities, food festivals, exhibitions, etc.
- ❖ The college has enough space and facilities for the conduct of Tutorial and Remedial sessions (faculty rooms). The Green House, Animal House and the Garden are well maintained. The IQAC Room, Counselling Centre, Reading Corner, and Yoga and

Meditation Centre have enough functional space. The various club activities are carried out in the available classrooms.

(b) Facilities for Extracurricular Activities

- ❖ Separate space with storage area is given to the NSS and the NCC units of the college. Apart from these the college provides a ladies' waiting room with first-aid facility, a mentoring room, and a student welfare and support centre.
- ❖ The Department of Physical Education of the college coordinates the sports and games activities. Sports and games facilities for the overall development of the college community are available on the campus. They are listed in the following table:

Table 4.2 The Sports facilities available in the campus

Available Facilities	Details
Football Court	Width - 60m , Length – 90m
Softball Court	Width - 30m, Length – 50m
Hockey Ground	Width - 50 yards, Length - 100 yards
Track & Field	Width - 70m, Length - 110m
Volleyball Court	Width - 9m , Length - 18m
Cricket Ground	Yes
Indoor Games	Caroms , Chess, Table Tennis
Gymnasium	Yes
Yoga & Meditation Centre	Auditorium Indoor Court

(c) Facilities for Ensuring Hygiene:-

- ❖ The campus is maintained plastic-free. Waste bins and trash cans are placed at key points on the campus.
- ❖ Aerobic waste treatment plants are installed. Five workers are engaged to ensure the hygiene and greenery of the campus and adequate materials and equipment (a lawn mower) are provided for the same.
- ❖ A store room is set apart for keeping the equipment used by the students for environment management.
- ❖ Sufficient number of toilet facilities for male (22) and female students (22) are built at convenient spots. Every staff room, the Principal's office, the administrative block, the library and the guest room have toilets attached.
- ❖ For the integral growth and development of our students we engage a specialist Yoga and Meditation Trainer. He conducts Yoga classes in the hostel and for the members of the Health Club.

4.1.3 How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized? Give specific examples of the facilities developed/augmented and the amount spent during the last four

years. (Enclose the Master Plan of the Institution/campus and indicate the existing physical infrastructure and the future planned expansions if any).

Our college, by virtue of the adaptive and flexible plan, has improved the infrastructural facilities to the state of the art level for excellent quality teaching-learning process, especially of the curricular and programme additions.

The infrastructure improvement keeps pace with the academic growth and as a result the facilities available here are adequate to address to the demands of the old and new courses offered in our college.

For the last decade the general trend has been that female students outnumber the male. Thanks to the outstanding performance of the college and the peculiarity of our programme choice, students from far-away places depend on our college for education in their chosen disciplines. Naturally, the demand for a ladies hostel became acute. With the financial assistance of the UGC and the management, the college has facilitated a well furnished, safe stay facility for our lady students.

In concurrence with the transformation that the university has been bringing about in the curriculum, that is, making the curriculum more research oriented, the college has been installing suitable research facilities in all research laboratories and libraries. Our science laboratories have sufficient updated equipment and instruments. The Research Department of Chemistry has procured a good number of advanced and sophisticated instrumental facilities, notably the DST-FIST support, which could cater to the needs of research scholars and the faculty.

The research infrastructure is well utilised by our UG and PG students, the faculty as well as the research scholars. The Research Centre of the Department of Chemistry has four research guides, under whom thirteen scholars carry out their research activities at the Centre. The Research Centre of History has five guides under whom twenty scholars pursue research.

The modernisation of the Seminar Halls, the Computer Labs and the Auditorium has been accomplished. The college started MA course in English in the year 2013 and we made timely provisions for well-furnished classrooms and the required library additions.

The PG Department of History and Chemistry have been elevated to Research Centres in the year 2010. Concurrently, research facilities in the two departments also have been expanded and updated. The research laboratory in the Department of Chemistry is optimally utilised, for the UG and PG projects, curriculum transaction in frontier areas for the requirement of the research scholars, and the research activities of the faculty. Some of such activities are innovative and of social significance. The libraries of the Departments of History and Chemistry have regularly updated stack of books, periodicals and e-journals, which are availed by not only UG and PG students, research scholars and the faculty of the departments but also by other studious stakeholders.

For meeting the demands of the academic growth in the institution, we have developed facilities such as research scholars' room, classrooms for new

courses, additional faculty rooms, Internet, upgraded ICT infrastructure, well-stacked library, college canteen, alternative power supply, etc.

Text Fig. 4.1 The master plan of the institution with all the details

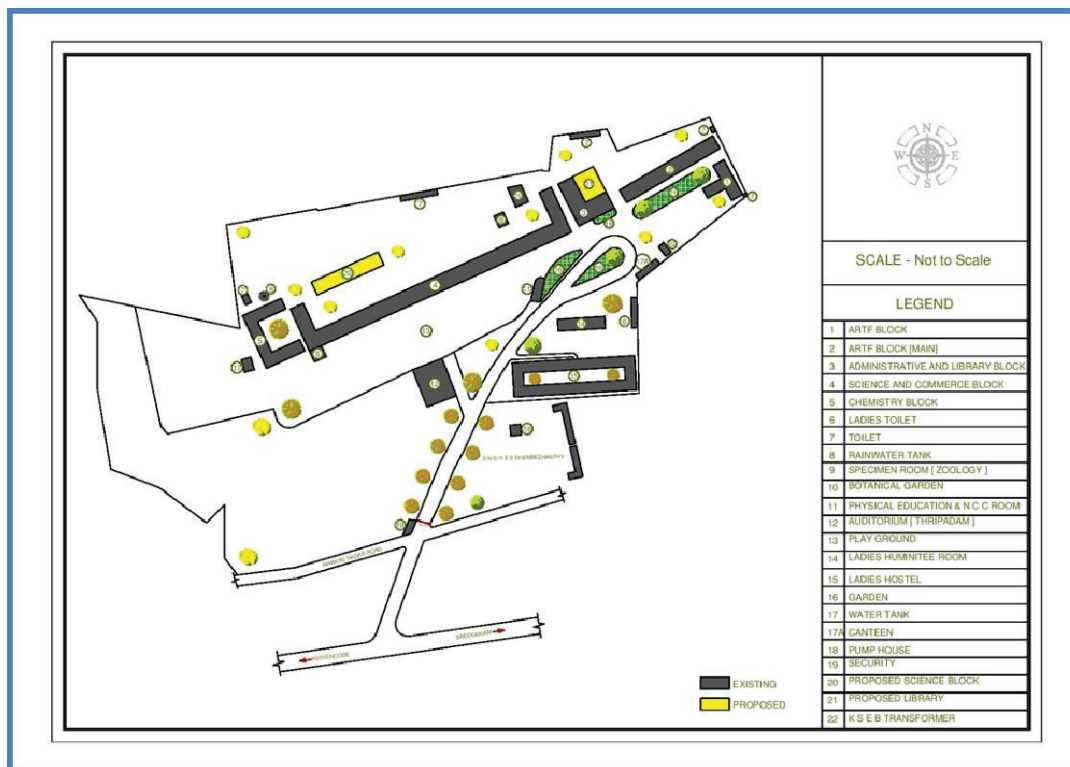


Table 4.3 The facilities developed during the last five years

Facility	Number
Smart boards	3
LCDs for technologically assisted teaching/learning	11
Smart rooms	3
Canteen	1
Digital library	1
Digital handycams and stillcams	2+3
Digital notice board	1
Borewell and overhead tanks	2+6
Rainwater harvesting system	1
Aerobic waste treatment plant	1
Water purifier with cooling provisions	1
Water purifier	5
Computers	60
Laptops	1+1
Scanner	4
Webcam	1
Laser Printers	16

Inkjet Printers	3
Separate Wi-Fi for the faculty and the students	14
Solar power Generation System of 1KVA	1
Invertors in the Principal's room and the Chemistry lab	2
Generator	1
Sound systems in the College Auditorium and the Seminar Halls	2
Intercom connectivity in all constituents	15 terminals
Public address system for the whole college	2
Vehicle (College Bus)	1
Recreation space	1
Health and Fitness Centre	1
Reading area in front of the library	1
Ladies' Hostel	1
Portable teaching amplifier	1
Computers in the library	5
Cabins for all the office staff	10
Printers with scanners	3
Reprographic machines with printing and scanning facility	5
Drainage system	Yes
Vehicle parking area	Yes

Table 4.4 The amount spent on new courses, buildings, laboratories, computers during the last five years

a) The amount spent by PTA

Purpose	Year				
	2009-10	2010-11	2011-12	2012-13	2013-14
Building renovation & Maintenance	470238	544594	373448	460661	352519
Equipment & Office expenses	159447	128467	183213	227925	129074
Academic & Salary Expense	352826	524723	411340	716637	756364
Computer servicing	28500	3322	14300	-	53840
Students' aid	99365	129647	92662	106684	238897
Sports	38500	55500	33500	29000	35000
Facilities to Gurukulam Pilgrims	39116	43942	-	30967	45843

b) The amount spent (Rs) from UGC allocation

Purpose	Amount (Rs)
Books	624240
Buildings	4987480
Capacity building in colleges	560000
Career and Counselling Cell	120000
Equal Opportunity Cell	75000
Equipment	1250000
Graduate assistance	2324576
Net coaching	260000
Development assistance for PG Departments	780000
Aid for Physically Handicapped	2500
Grant in aid for SC/ST/OBC	140000
Travel grant	51317
TOTAL	11175113

Grant received by the college from UGC during the XI plan:

Purpose	Amount	Total
General Development Assistance (UG)	Rs. 14,00,000/-	Rs. 21,80,000/-
General Development Assistance (PG)	Rs. 7,80,000/-	
Additional Assistance during (213-14)	Rs. 32,50,000/-	Rs. 45,00,000/-
	Rs. 12,50,000/-	

c) Utilization DST-FIST support

Purpose	Amount
Books	200000
Computer	275000
Electrical items	10000
Equipment	1060080
Maintenance	366215
Plumbing	35805
Total	2037107

d) The amount spent from PD account

Item	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Sports materials	148640	145118	134763	161437	86411	86937
Library books	97127	103977	96128	143851	147404	10699
Laboratory	316634	166450	284612	354269	276542	46692
Stationery	51200	48700	47000	69710	41361	-
Magazine	69000	70000	54000	54600	74000	44585
Association	50000	41300	47046	41590	35100	-
Medical inspection	5295	3390	1910	1400	-	-
Calendar	37000	29190	27900	38400	25000	-
Women's Study	-	-	1334	1450	6305	1500
Audio Visual	52100	48500	-	-	-	-

e) The amount spent by the Management

Year	2009-10	2010-11	2011-12	2012-13	2013-14
Building renovation and maintenance	70900	140550	2500000	1017950	559900

New Initiatives Envisaged

The blueprint for a separate library annexe, adjacent to the administrative block, is prepared. In this new building we envision to provide all reference facilities, ICT supported information outsourcing facility, and multipurpose audio-visual hall for PG students, Research Scholars and Faculty. A proposal for getting funds from the UGC for building an annexe for the science block is under preparation.

The institution is particular about the optimal utilization of its facilities and so, they are open to external stakeholders, especially, the general community in the neighbourhood. The following instances testify the institution's efforts for optimal utilization of its infrastructure:

- ❖ The Library is open to outsiders who come for reference
- ❖ The infrastructure of the institution is also used for conducting continuing education programmes, certificate courses, etc.
- ❖ Our Seminar Halls and the Auditorium are given for conducting conferences, seminars sponsored by the UGC, professional academic bodies, or other agencies; for training programmes of Government. and NGOs.
- ❖ The neighbourhood communities use these facilities for their programmes (e.g. the Chempazhanthy Residents' Association conducts its annual gathering in the Campus, Annual Day and

other celebrations of nearby schools are also conducted in the campus)

- ❖ Our facilities are used for conducting workshops on the University syllabi.
- ❖ Several Summer Camps, including the one for differently abled students, have been held in the campus.
- ❖ The programmes of the Alumni are conducted in the campus.
- ❖ Medical camps are organised in the campus.
- ❖ Our college is an election booth and electoral enrolment centre for the general elections held by the Election Commission of India and the managing body elections of the SN Trusts.
- ❖ Our college has hosted inter collegiate sports and games.
- ❖ Our facilities are open for the utilisation by the pilgrims who throng to Chempazhanthi during the Jayanthi of Sree Narayana Guru and the annual Sivagiri Pilgrimage. We provide them with shelter, comfort facilities, food, medical support and vehicle parking area. The staff of the college and selected student volunteers extend their service with dedication and discipline. So the pilgrims, who come from all over world and whose number exceeds a lakh, return with contentment and gratitude.

4.1.4 How does the institution ensure that the infrastructure facilities meet the requirements of the students with physical disabilities?

There is a commendable differently-abled-friendly consciousness in the campus. In terms of infrastructure we have tried to develop the following facilities for the students with physical disabilities:

- ❖ As per the government rules, a quota of seats are kept aside, reserved for physically disabled applicants.
- ❖ Ramps for the differently-abled in all the buildings in the campus (the main building, library, auditorium etc).
- ❖ Rest room where wheel chairs can go in.
- ❖ Electronic resources which can be used by the visually challenged.
- ❖ We make it very particular that all classes, which physically challenged teachers / students have to attend, should be held on the ground floor only.
- ❖ The college maintains facilities for immediate hospitalisation of the physically disabled in any emergency.

4.1.5 Give details on the residential facility and various provisions available /-within them

Utilizing funds from the 10th Plan of the UGC, we have constructed a Women's Hostel with a capacity to accommodate 70 students. This Women's hostel has 3 staff rooms, 17 double rooms, 1 visitor's room, 1 reading room, 1 spacious kitchen, 1 mess room, 1 store room, 7 bath rooms, 13 toilets and 12 wash basins. The students and lady staff have shared occupancy. Each student has her own allotted space, cot, table and chair. Continuous supply of purified water, a spacious mess hall and an audio visual hall add to the facilities of the hostel. At present there are 3 staff, and 58 students availing of the residential facility. The hostel also has a well-equipped common room with a gymnasium, yoga centre and computer facility including access to internet.

First aid medical facilities (24x7) are available in the hostel. Library facilities, adequate furniture, uninterrupted safe drinking water supply, uninterrupted power supply and sufficient electric fittings and security are also provided.

Facilities for games such as caroms, chess and shuttle badminton are available in the hostel. There is provision for a Yoga and Health care centre. Medical assistance is provided in alliance with a nearby dispensary. Reading room, with books, newspapers and journals, is available in the hostel besides the facilities provided in the college library. There is a computer with internet facility in the hostel. The common room in the hostel is provided with recreational facilities consisting of TV with DTH connection. One water purifier is installed in the mess hall to ensure the supply of purified drinking water. A senior faculty member is appointed as the DepUniversity Warden. The hostel committee supervises the functioning of the hostel. There is a hostel matron appointed by the management. A watchman is appointed to ensure the security of the students residing in the hostel. All rooms are fitted with electric lamps and fans.

4.1.6 What are the provisions made available to students and staff in terms of health care on the campus and off the campus?

Separate rest rooms for women students and staff are available. First Aid Kits are available at the Department of Physical Education, Ladies hostel and Ladies waiting room. Annual medical check-up is carried out for the staff and students which is a feature of the Institution. The college has alliance with the Medical College Health Centre, Pangappara. The college has entered into an MoU with a nearby hospital at Kariyam for the off-campus care of the students and staff on nominal consultation. All the students are protected under GPAS (Group Personal Accidental System).

4.1.7 Give details of the Common Facilities available on the campus – spaces for special units like IQAC, Grievance Redressal Unit, Women's Cell, Counselling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.

- ❖ **Sree Narayana Study Centre:** The institution has provided a separate corner in the General Library for the functioning of the centre. A complete collection of Sree Narayana Guru Literature is available in the centre for ready reference. The centre is provided with minimum furniture for the smooth functioning.
- ❖ **IQAC:** The IQAC functions in a separate room provided in the II floor of the Science Block. The room has facilities for keeping all records and relevant data pertaining to the day to day activities of the college, and computer with printer and internet connection.
- ❖ **Grievance Redressal Unit:** Students can lodge any complaint in the suggestion boxes kept near the Principal's office and in the Library. Grievances or complaints properly filed before the Principal is sorted out to find effective solutions. The unit normally functions in the department room of the Chairperson.
- ❖ **Women's Cell:** Being a college where more than 60% are girls, the role of the Women's Cell is very important. The cell functions

in the Ladies Waiting Room itself. The room is provided with facilities for dining, taking rest, engaging in recreation and, also for round table discussions.

- ❖ **Counselling, Career Guidance and Placement Unit:** Since our college is situated in the outskirts of the city, and students belong to the financially weaker sections hailing from suburban and rural areas, we provide an excellent career counselling guidance. Brochures regarding higher studies options and employment opportunities are displayed in a notice board. All help and guidance are extended to identify their academic and personal problems. The room provided for this purpose is adjacent to the Department of Psychology.
- ❖ **Health Centre:** A health centre is provided adjacent to the department of Physical Education with adequate first aid facilities and a tread mill is also provided.
- ❖ **Canteen:** The College canteen is in a small building which serves breakfast, lunch and evening tea. Both vegetarian and non-vegetarian food is available at moderate rates.
- ❖ **Recreational Spaces for Staff and Students:** Recreational facilities for boys are arranged in the college auditorium and that for the girls in the ladies waiting room.
- ❖ **Safe Drinking Water Facility:** All the departments have provisions for safe drinking water. Apart from that a water cooler with filtering service is provided near the Principal's office. Three other water filters are provided at the different locations. Most of the departments provide drinking water cans.
- ❖ **Auditorium:** The college has a big auditorium built by the Parent Teachers Association during the Silver Jubilee Year of the college. It can accommodate more than thousand persons at a time. Two green rooms, wash rooms, toilet facilities and, a spacious dais are the features of the auditorium. Recreational facilities for boys are arranged inside the Auditorium.
- ❖ **Seminar Room:** The College has a spacious Seminar Hall with a seating capacity of 200.
- ❖ **Guest Room:** The Guest Room adjacent to the Principal's Room can accommodate seventy persons at a time.
- ❖ **Computer Lab:** The college has a Central Computer Lab with all the state-of-the-art ICT facilities. The Department of Chemistry has an air conditioned computer lab with eleven computers. The Department of Physics and the Library also have separate computer labs.
- ❖ **Bus:** A college bus donated by the PTA is available as a transportation facility for the students from the city.
- ❖ **Residential Facility:** The college has been focusing on developing its residential facilities over the years and we have made obvious development in this. A UGC funded Hostel is provided for girl students. It is located within the college campus and can accommodate 68 students in the 17 double rooms. Three single rooms are allotted for the staff to stay.

- ❖ **Recreational Facility:** The students utilize all the following recreational facilities for sports and games available in the campus for which materials are provided by the college:

Football Court	Softball Court
Shuttle Badminton Court	Volleyball Court
Hockey Ground	Cricket Ground
Indoor games	Gymnasium
Yoga and Meditation Centre	

4.2 Library as a Learning Resource

4.2.1 Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student/user friendly?

The Library operates under the guidance of an Advisory Committee that meets periodically and reviews its status and suggests new initiatives. The Committee consists of :

Chairman – Principal
Secretary – Librarian
Members – HODs, Senior faculty members and student representatives

The college library has three sections.

- ❖ General section
- ❖ Reference section
- ❖ Department section

The General and Reference sections are under the direct control of the Librarian. The Departmental Libraries are under the control of the concerned Heads of the Departments. All Post Graduate Departments have Department Libraries and their statistics will be verified by the librarian at the end of each academic year.

The college has a General Library which provides facilities of the open access system. The book bank facility, which is operated in the general library, helps the poor and needy students by providing them with prescribed books which they return intact at the end of the programme. Each student is given a library card which the student forfeits to borrow books. The books can be changed or renewed once. Books can be reserved in advance and the issuance is on the first-come first-serve basis. The students can utilise the library facilities throughout the year. Books issued to students should be returned in 14 days.

The books in the department library of English have been shifted to the General Library during the current year. The total number of books available in all the departmental libraries is 22651 and the General Library has a collection of 13310 books.

Table 4.5 Stock details of books available in the departmental libraries

Department	2009-10	2010-11	2011-12	2012-13	2013-14	Total
English*	1756	1785	1814	1882	2070	2070
Malayalam	599	634	659	711	733	733
Hindi	565	583	601	629	695	695
History	2567	3033	3164	3187	3209	3209
Political Science	1313	1313	1376	1388	1406	1406
Economics	1294	1318	1385	1404	1416	1416
Psychology	744	759	815	832	848	848
Sociology	584	600	629	639	650	650
Mathematics	2559	2587	2673	2696	2707	2707
Statistics						59
Physics	1623	1635	1701	1721	1734	1734
Chemistry	2170	2464	2541	2557	2605	2605
Botany	1316	1330	1364	1373	1389	1389
Zoology	994	994	1083	1094	1094	1094
Geology	597	614	695	704	716	716
Commerce	1087	1117	1202	1273	1294	1294
Physical Education	--	--	--	--	--	26
Total						22651

*The English department library is attached to the General Library for the time being

The following are the important initiatives implemented as per the suggestions and decisions of the Library Committee:

- ❖ Open access and Need-based acquisition of materials
- ❖ Library automation & software development
- ❖ Barcoded issue/return
- ❖ Digital library using open - source software
- ❖ Building up of institutional repository
- ❖ Access to e-resources (Online and Offline)
- ❖ Wi-Fi enabled reading corner
- ❖ Reorganizing and restructuring the library counter
- ❖ Reprographic and printing facilities
- ❖ Other infrastructural facilities like tables, shelves, new arrivals display racks, periodical display racks and noticeboards
- ❖ Library functions on Saturdays
- ❖ Extended and appropriate working hours before/after the class hours
- ❖ Separate minimum infrastructure facilities for staff, circulation counter, service area, Information Display, etc.
- ❖ Trying to raise the ratio of the seating capacity to the number of the users
- ❖ Generator facility extended to the library
- ❖ Ensures periodic maintenance and cleanliness

The institute also subscribes newspapers and periodicals the list of which is given below.

List of Newspapers subscribed in the Library

- | | |
|---------------------------|----------------------|
| 1. The Hindu | 2. Malayala Manorama |
| 3. The New Indian Express | 4. Keralakaumudi |
| 5. Times of India | 6. Deshabhimani |
| 7. The Economic Times | 8. Madhyamam |
| 9. Mathrubhumi | 10. Janayugam |

List of Periodicals subscribed in the Library

- | | |
|---------------------------------|---------------------------|
| 1. Yoganadam | 2. Basha Poshini |
| 3. Arogyamasika | 4. Mahilaratnam |
| 5. Kanyaka | 6. Grihalekshmi |
| 7. Keralasabdham | 8. Vanitha |
| 9. Kalakaumudi | 10. Mathrubhumi Weekly |
| 11. Malayalam Weekly | 12. Star and Style |
| 13. Thozil Vartha | 14. Thozhil Veedhi |
| 15. Keralakaumudi Weekly | 16. The Week |
| 17. Mathrubhumi Sports Weekly | 19. Madhyamam |
| 18. Malayalamanorama sambadhyam | 19. Sportstar |
| 20. Front line | 21. India Today (English) |
| 22. India Today (Malayalam) | |

List of Journals subscribed in the Library:

- | | |
|----------------------------------|--|
| 1. Yojana | 2. Kurukshethra |
| 3. SAJOP | 4. Dhanam |
| 5. Economic and Political Weekly | 6. Main Stream |
| 7. Pratiyogitha Darpan | 8. Journal of Indian School of Political Economy |
| 9. Readers Digest | 10. Competition Success Review |
| 11. Chronicle | 12. Electronics for You |

List of Journals subscribed by departments

Department of Chemistry

- | | |
|--|--|
| 1. <i>Asian Journal of Chemistry</i> | 2. <i>Medicinal and Aromatic Plants Abstracts (CSIR)</i> |
| 3. <i>Indian Journal of Chemical Technology (CSIR)</i> | 4. <i>Indian Journal of Biotechnology (CSIR)</i> |
| 5. <i>Indian Journal of Chemistry (CSIR)(Section A)</i> | 6. <i>Indian Journal of Chemistry (CSIR)</i> |
| 7. <i>Indian Journal of Engineering and Material Sciences (CSIR)</i> | 8. <i>Indian Journal of Biochemistry and Biophysics (CSIR)</i> |
| 9. <i>Journal of Scientific and Industrial Research (CSIR)</i> | 10. <i>Journal of the Indian Chemical Society (Indian Chemical Society-92 Kolkata)</i> |

- | | |
|---|---|
| 11. <i>Natural Product Radiances</i> (CSIR) | 12. <i>Down to Earth</i> (Science and Environment fortnightly) |
| 13. <i>Chemistry Education</i> (Macmillan India Ltd) | 14. <i>Journal of the Academy of Chemistry Teachers</i> (Academy of Chemistry Teachers, Thiruvananthapuram) |
| 15. <i>Breakthrough</i> (A journal on Science and Technology) | 16. <i>Indian Journal of Fiber and Textile Research</i> (CSIR) |
| 17. <i>Indian Academy of Science</i> (IAS)(Chemical science) | 18. <i>Indian Journal of Natural product and Resources</i> (CSIR) |
| 19. <i>Current Science</i> (Proofs Publications) | 20. <i>Research Journal of Environment</i> |
| | 21. <i>Chemistry in Britain</i> |

Department of History

1. *Journal of Kerala Studies*
2. *Journal of Indian History*

Department of Botany

1. *Journal of Cytology and Genetics*
2. *Rheede*

Listed below are some of the best practices that have enhanced the academic information environment and usability.

- ❖ The computerization of library with standard digital software
- ❖ Addition of sufficient information about the library in the College Handbook.
- ❖ Compilation of student/teacher attendance statistics and display of the same on the Notice Board
- ❖ Display of newspaper clippings on the Notice Board periodically
- ❖ Career/Employment Information/ Services
- ❖ Suggestion box and timely response
- ❖ Conduct of book exhibitions on different occasions
- ❖ Annual Best User Award for students
- ❖ Periodic Book Review
- ❖ Periodic conducting User Surveys
- ❖ Direct purchase of books by departments
- ❖ Registration and numbering of books in the General Library and transfer of the required books to the Department Libraries
- ❖ Exhibition of new books and journals in glass showcases for the information of students and faculty and intimation of the same to the HODs
- ❖ Regular conduct Book Talks and a Book Review Contest in connection with the observance of the Reading Day in commemoration of the services of Sri P.N Panickar, the pioneer of informal education and Total Literacy Movement in Kerala
- ❖ Well stacking of the library with books on higher education and competitive examinations
- ❖ Invitation to publishers to exhibit their latest releases in our library, if possible throughout the year
- ❖ Instruction to the members of the staff to collect information regarding the latest relevant books and journals, from seminars, workshops, conferences etc.

The following are the significant initiatives that have been implemented by the Library Committee to render the library students/user friendly:

- ❖ The college follows the practice of rendering the library services for physically challenged persons who are unable to visit the library. Such students/faculty can request books over telephone or messages. Student volunteers of the college hand the books over to them at their class rooms or at home. The student volunteer service ensures the return of the books.
- ❖ Book lending service is of two types: Lending of books for a specific period under the library rules and lending of books on yearly basis to SC, ST, OBC, economically weaker sections and deserving students as per the Book Bank Scheme.
- ❖ The library provides Current Awareness Service (CAS) through newspapers and Clipping Service to make each section of the users aware of the current trends and innovations in their fields of interest.
- ❖ The library has a TV, and CDs on several disciplines, for skill development purposes.
- ❖ The regular 'New Arrival Display' (NAD) gives information about new releases on a particular subject.
- ❖ Relevant book exhibition is held on special days.
- ❖ The College Library maintains a visitors' diary in which the invited VIPs register their opinions about the college and their experiences here.
- ❖ We collect the previous years' question papers for the reference of the students and the faculty.

d) Reference Services:

Services are provided for the most effective use of the resources. Reference collection in the library is vast and varied. All the users are free to use the library to refer books and to satisfy their thirst for knowledge. All the reference resources are easily accessible to the library users. Trained manpower and excellent infrastructure are made available.

The use of ICT in the institution has increased during the last five years. The faculty has developed many power-point presentations during the last five years. More than five hundred students' projects and a few educational softwares and databases (CDs) are available in the library. The Library committee submits its recommendations to the concerned authorities regarding the improvement needed in the library, and budgetary provisions for the same are made and actions are initiated.

4.2.2 Provide details of the following:

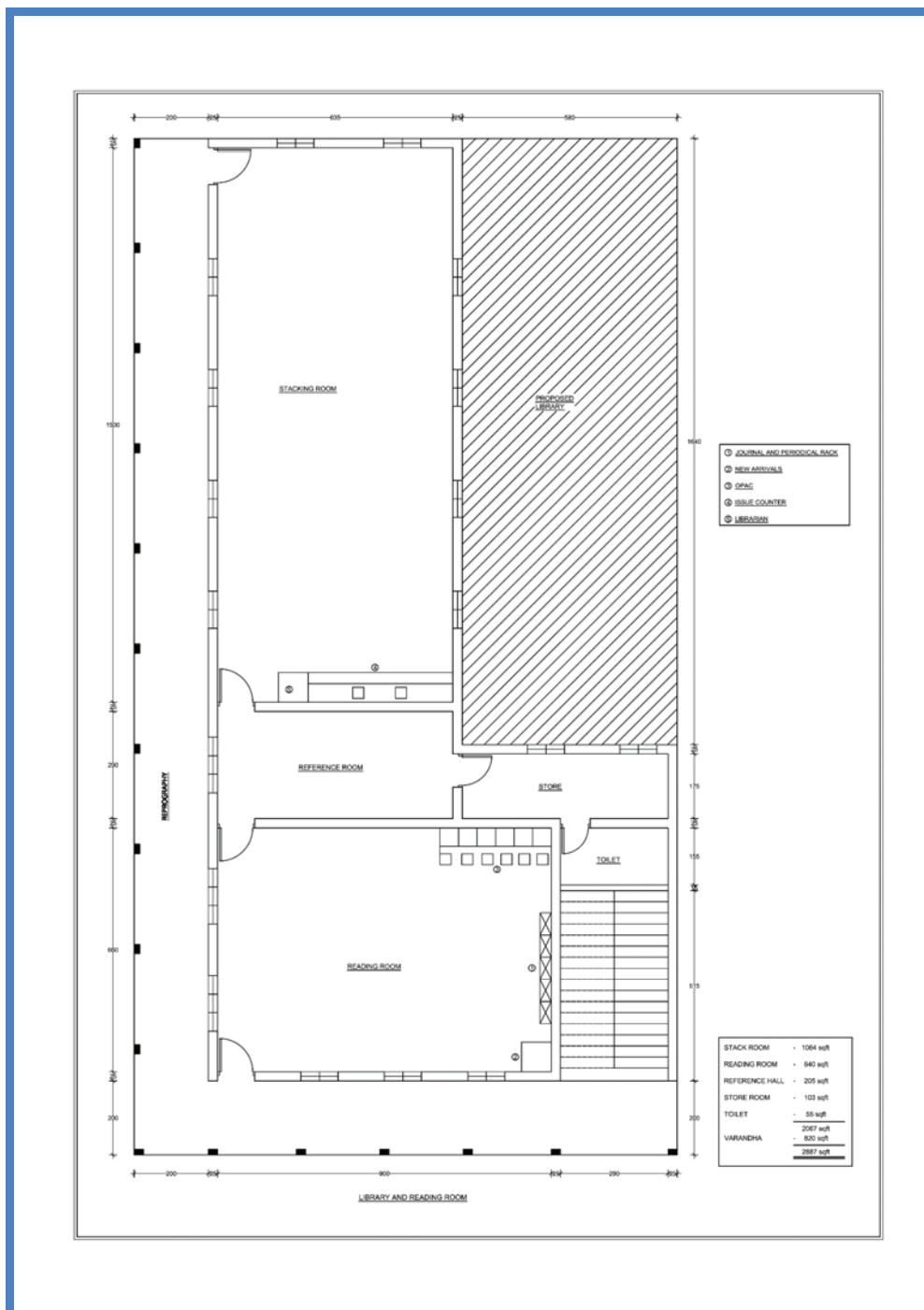
- ❖ Total area of the library = 3240 Sq. Ft.
- ❖ Total seating capacity = 75
- ❖ Stack room, reading room, browsing section counter, reprographic section, reference section, cabin for the librarian, and a washroom are attached to the library.

Working hours (on working days, during holidays, before examination days, during examination days, and during vacation):

- (a) On working days, Monday to Friday, from 8.30am to 5.30pm
- (b) Saturday 9.00am to 4.30 pm
- (c) On holidays not opened

- (d) One week before the examinations and during examination days, Monday to Friday, 8.00am to 5.00 pm

Text Fig. 4.2 Layout of General Library



4.2.3 How does the library ensure purchase and use of current titles, print and e-journals and other reading materials? Specify the amount spent on procuring new books, journals and e-resources during the last four years.

The college receives periodic catalogues from all important publishers. The journals contain reviews about significant productions in various disciplines. Academic writers send brochures of their works to the relevant departments and the library. The members of the book club discuss such and other new books and suggest their purchase.

Table 4.6 Amount spent on procuring new books in the Library under various funds

FUND	Amount (Rs)				
	2009-10	2010-11	2011-12	2012-13	2013-14
PD Account	97127	103977	96128	143851	147404
UGC	180185.64	340352.02	307665.50	-	-
PTA	16536.00	-	8101.00	3245.00	-
FIST	99999.60	-	-	-	-
GIFT	492.00	1435.00	1990.00	-	1600.00
Project	-	4999.70	-	-	21533.00
SSP*	-	-	-	-	6852.00
Total	394340.2	450763.7	413884.5	147096	177389

SSP*= Scholar Support Programme

Table 4.7 Number and amount spent on procuring books/journals in the Library

ITEM	2009-10		2010-11		2011-12		2012-13		2013-14	
	Number	Total Cost Rs	Number	Total Cost Rs	Number	Total Cost Rs	Number	Total Cost Rs	Number	Total Cost Rs
Books	1699	385755.2	1127	433638.12	1108	397536.50	405	126608	436	1546414.0
Journals / Periodicals	-	-	19	14265.00	19	12961	19	7095	19	7595
Total		385755.2		447903.1		410497.5		133703		1554009

ii. Provide details on the ICT and other tools deployed to provide maximum access to the library collection?

OPAC - Online Public Access Catalogue

Being implemented

Electronic Resource Management package for e-journals	Available
Federated searching tools to search articles in multiple databases	Yes
Library Website	Yes
In-house/remote access to e-publications	Nil
Library automation	Yes
Total number of computers for public access	5
Total numbers of printers for public access	2
Internet band width/ speed	10 mbps
Institutional Repository	Nil
Content management system for e-learning	Nil
Participation in Resource sharing networks/consortia (INFLIBNET)	Yes

Table 4.8 Usage of General Library and Department Libraries

Sl. No.	Particulars	Number
1.	Average number of walk - ins	300 per day
2.	Average number of books issued	85 per day
3.	Average number of books returned	80
4.	Ratio of library books to students enrolled	20
5.	Average number of books added during the last five years	1949 per year
6.	Average number of login to OPAC	Nil
7.	Average number of login to e-resources	10 per day
8.	Average number of e-resources downloaded	15 per day
9.	Number of information literacy training organized	2 per year

4.2.6 Give details of the specialized services provided by the Library

- ❖ *Manuscripts*: Project Reports, Seminar Reports, College Magazines, Annual Reports, College Calendar, Academic Report.
- ❖ *Reference* : A number of reference books which includes encyclopaedia, etc.,
- ❖ *Reprography (XEROX)* : One photocopier with scanner and printer, Laser Printer available
- ❖ *ILL (Inter Library Loan Service)*: In alliance with the Sree Narayana International Study Centre library situated near the college.
- ❖ *Information, Deployment and Notification*: New arrivals are displayed in a separate rack, the brochures, notices and, other information are displayed in the notice boards, one of which is kept in the library the other outside.

- ❖ *Download*: Yes, Students can download study materials and take printouts at affordable costs.
- ❖ *Printing*: Yes, Multipurpose printer with scan copy and printing facility is provided, the photocopier also has printing options.
- ❖ *Reading list/ Bibliography compilation*: Catalogues of important publishers and list of books, periodicals, manuscripts available in the library are catalogued scientifically and can be retrieved using softwares.
- ❖ *In-house/remote access to e-resources*: Internet facility is provided for direct access of e-resources. The other e-resources available are CDs and DVDs.
- ❖ *User Orientation and awareness*: Yes, the Library and its supporting staff render assistance to search and retrieve data needed for the students.
- ❖ *Assistance in searching Databases*: Proper guidance and assistance provided by the supporting staff as well as the student volunteers and the book club members
- ❖ *INFLIBNET/IUC facilities*: Available
- ❖ *Details of “weeding out” of books and other materials*: The library has a separate stack room for keeping the ‘weeded out’ books. Very old and unusable editions and damaged books are removed from the active collection and are kept in this section. Old newspapers are disposed of during the vacation, after collecting important clippings. The general periodicals are also weeded out each year. An average of 25 books are weeded out every year.

4.2.7 Enumerate on the support provided by the Library staff to the students and teachers of the college.

The library staff including the Librarian, Assistant Librarian, Library Assistant and the supporting staff are always at the service of the students and the staff for identifying and accessing necessary books. The library staff extends all support to get the books issued and returned, and to remind the users of the last date of renewal. Students are motivated to utilise the library facilities to its maximum for which they are provided with a Library Orientation Programme at the beginning of the academic year. For procuring books, the library staff collects suggestions and recommendations of the faculty members and the students, and appraises the Library Committee about the requirements of the library. The journals are procured after studying the need of the respective departments and by reaching out to the distributors, nationwide. Students are supported with dissertation material to help them in projects.

- ❖ Assistance in searching Databases
- ❖ Orientation and Awareness
- ❖ Printing service
- ❖ Reprography service
- ❖ Downloads service
- ❖ Book Bank facility and service for marginalized groups

The information Centre of the library takes care of storing question papers, question banks, repertory and electronic learning materials. The library

maintains photo albums of the activities of the college in catalogued manner for the timely utility of all concerned.

4.2.8 What are the special facilities offered by the library to the visually/physically challenged persons? Give details.

- ❖ Staff support and help to access library resources
- ❖ Braille Books & Magazines are provided
- ❖ Braille Pad and Pins are available
- ❖ Ramps for the differently-abled
- ❖ Rest room where wheel chairs can go in.

4.2.9 Does the library get the feedback from its users? If yes, how is it analysed and used for improving the library services. (What strategies are deployed by the Library to collect feedback from users? How is the feedback analysed and used for further improvement of the library services?)

Yes, the library collects feedback from its users. Every year the Library committee prepares a questionnaire to draw the feed-back from the stake holders mainly the faculty, the students and the research scholars about the library service; facilities; variety, quantity and quality of the resources; value added services; and support mechanism. The responses are discussed and analysed. On the basis of the findings of this assessment, suggestions are given by the Library Committee. The college authorities in consultation with the IQAC implement most of the suggestions and instruct the library staff to improve the library services accordingly.

4.3. IT Infrastructure

4.3.1. Give details on the computing facility available (hardware and software) at the institution.

Table 4.9 Details of computing facility available

Department	Computer Details
Physics Chemistry	Hp Prodesk 400G2MT
	13 processor Desktop (1 Nos.)
	S/N 1 NA 437SHSY
	HP V192 18.5 Monitor (1 Nos.)
	S/N 6 configuration 4322633 HP
	Laser jet p1106 printer (1 Nos.)
	S/N VNF 7po 1433 v- guard
	USP (1 Nos.)
	S/N V1408665237
	Installed MS Office 2013 and anti-virus Kaspersky Key code with HNVQC
	User manuals Driver CDs Windows 8-164 bid CD
	Windows XP P II P IV
	System: Windows.8.1 pro

Political Science	Processor: Intel (R) core (TM) 13-4130 CPU @ 3.40 GHz 3.40 GHz
	Installed Memory RAM 4.00GB
	System Type: 64 bit Operating System x 64 based processor
	Microsoft Windows XP
Malayalam History Economics Hindi Psychology Sociology Library	System: Windows.8.1 pro
	Processor: Intel (R) core (TM) 13-4130 CPU @ 3.40 GHz 3.40 GHz
	Installed Memory RAM 4.00GB
	System Type: 64 bit Operating System x 64 based processor

4.3.2 Detail on the computer and internet facility made available to the faculty and the students on the campus and off-campus?

All the staff rooms, library and computer lab are provided with dongles provided by BSNL for the benefit of the staff and students. Net connectivity is taken under BSNL from the Government of India, HRD, for the benefit of the staff and students.

4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

The institution has systematically worked out plans and strategies for upgrading and initiating new IT infrastructure facilities. Gradual and continuous upgrading is the fundamental thrust of these policies, plans and strategies.

Upgrading plans that have been implemented

- ❖ Internet speed increased to 10 mbps
- ❖ Digital library
- ❖ Smart classrooms with SmartWi-Fi enabled LCD Projectors in the classroom
- ❖ Multi-media feedback system
- ❖ New multi-option printers.
- ❖ Scanners and computers
- ❖ Digital Display Board for common Communications
- ❖ Web page
- ❖ E-journals
- ❖ Mobile communication
- ❖ Upgraded Public address system in the auditorium and seminar halls
- ❖ Installed centralized public address system in the college building and the library for common communication
- ❖ Purchased and installed a Server
- ❖ Commissioning of solar hybrid inverters that produce 4 KV electricity for the Hostel under, progress
- ❖ Upgraded public address system in the auditorium
- ❖ Reprographic system upgraded
- ❖ Video Conferencing/ Webinar Room

- ❖ Centralized hybrid energy UPS system for supporting the ICT equipment in the institution
- ❖ Electronic Notice Board for the Library
- ❖ High Speed Book Scanner for the Library
- ❖ More computers for the lab and library

c) Strategies:

1. To engage a full-time administrator in-charge, to follow up the upgrading needs of the institution.
2. To facilitate external training and exposures for the faculty. This can help in need assessment and prospective upgrading options.
3. To apply for grants from the UGC and the state Government.
4. To deploy ICT facilities at converging points like faculty rooms, library, computer lab, audio-visual room and seminar halls where maximum use is carried through.
5. To train the end-users for effective utilization of the infrastructure for teaching-learning purposes.

4.3.4 Provide details on the provision made in the annual budget for procurement, upgradation, deployment and maintenance of the computers and their accessories in the institution (Year wise for last four years)

Table 4.10 Details of annual budget for procurement, upgradation, deployment and maintenance

	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014
Amount (Rs)					
Procurement	1035682	1000299	1016658	948745	881939
Upgradation	86996	656625	694693	866707	692123
Deployment	180186	340352	307665	67988	135976
Maintenance	28500	3322	14300	14050	53840

* Includes amount from PD Account, UGC Library fund and PTA

4.3.5 How does the institution facilitate extensive use of ICT resources including development and the use of computer-aided teaching/ learning materials by its faculty and the students?

- ❖ The institution encourages and provides ample facilities for enhancing extensive use of ICT resources for augmenting and supplementing the traditional pedagogic practices.
- ❖ The institution provides ICT facilities, both hardware and software, for the faculty for preparation of computer-aided teaching-learning material. The system administrator assists them in utilizing these facilities.
- ❖ The ICT infrastructure helps teachers to develop learning materials such as lecture notes, modules, power point presentations, audio-video clips, etc.
- ❖ The facilities help teachers to develop ways and means for managing and monitoring their courses.

- ❖ The students utilize the ICT facilities for developing power point presentations for seminars, materials for assignments, short films and other creative activities. The software and e-resources are utilized for doctoral research and for preparing dissertations. The screening of the collected videos, documentaries and films that are relevant to the topics under discussion enhances learning experiences.
- ❖ The NPTEL programme, the main objective of which is to enhance the quality of engineering and science education in the country by developing curriculum based videos are downloaded and provided to the faculty and students.
- ❖ Access to e-resources by the subscribed online journals and the digital library benefit the teachers and the students to gather the essential information for their research, teaching and learning.
- ❖ Group e-mail ID for a batch, a facebook page, regular blog writing, individual web page, help in sharing resources and generating discussions, are being initiated by some of the faculty members and thus making learning more collaborative.

4.3.6 Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching - learning resources, independent learning, ICT enabled classrooms/learning spaces etc.) by the institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.

The institution has intentionally approved a student-centric pedagogic approach. Besides the regular seminars, assignments and presentations the students participate actively in the learning process. This requires them to access the learning resources both online and in the library and this in turn boosts them to be self-determining learners. The students, during the course of their academic programme, also learn to be capable of using the ICT enabled classrooms for their presentations, interactions and seminars. The following mechanisms are deployed by the institution, with regard to the ICT resources, to make learning student-centred:

- ❖ Proper training in basic computer skills is given to the students (power point, word, excel, cheminformatics, web-research, etc.)
- ❖ The student seminars and presentations are ICT enabled.
- ❖ Teachers also use ICT for teaching (LCD presentations, smart board, etc).
- ❖ The online resources are accessed by the students for gathering data, information and materials related to the topics of their study
- ❖ Sharing of learning resources and discussions are carried out through the Internet and other collaborative learning means.
- ❖ E-mailing and group mailing are widely employed.

The college has been conducting annual month-long seminar series *Spectrum*, in which half of the presentations are performed by students with ICT support which undergoes constant improvement. The students are trained to successfully handle various softwares so that they can access knowledge from different angles. The ICT enables the students to gain access to

presentations by eminent scholars, scientists and geniuses within the classroom, without the interference of the teachers. The ICT services extend to interaction with off campus scholars and experts of various disciplines.

4.4 Maintenance of Campus Facilities

4.4.1 How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (substantiate your statements by providing details of budget allocated during last four years)?

The Planning Board & the Building Committee under the guidance of IQAC, in consultation with the management and the RDC plan and utilize the budget optimally for various developmental activities such as extension, renovation and maintenance. Engaging temporary faculty and purchase of books, sports material, laboratory equipment, chemicals, and computers are the main expenditure have budgetary allocations. The expenses for the development of various co-curricular activities are also included in the budget. The sources of resource are government, PTA and the management.

Table 4.11 Utilization of DST - FIST support, Department of Chemistry from 2009 onwards

Plumbing		
Sl.No.	Date	Amount issued
1.	17-1-2009	24730
2.	23-1-2009	8800
3.	23-1-2009	2275
Electrical		
1.	31-1-2009	75000
2.	2-2-2009	25000
3.	25-4-2009	57736
4.	22-3-2010	18682
5.	24-3-2010	3200
Maintenance		
1.	2-2-2009	25000
2.	11-2-2009	40000
3.	16-2-2009	50000
4.	18-2-2009	64000
5.	24-2-2009	50000
6.	27-2-2009	4675
7.	6-3-2009	36500
8.	19-3-2009	73695
9.	26-3-2009	25000
10.	14-5-2009	22345
Books		
1.	4-2-2009	87560
2.	26-3-2009	9417
3.	28-4-2009	30203

4.	19-3-2010	39930
5.	19-3-2010	60070
Equipments		
1.	7-2-2009	16904
2.	24-2-2009	69715
3.	27-2-2009	372549
4.	9-3-2009	112820
5.	25-3-2009	67404
6.	24-3-2010	120352
7.	30-3-2010	88542
8.	19-4-2010	73270
9.	24-5-2010	53571
Computer		
1.	18-2-2009	252250
2.	11-5-2009	22750

4.4.2 What are the institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the college?

The PTA and the college management take initiatives for the proper maintenance and repairs of civil, electrical, plumbing and similar work. The management has appointed a supervisor, an electrician and a plumber, for the maintenance of the buildings, electrical installations, equipment and water supply. The Building committee and Planning Board meet regularly to discuss and finalise matters related to tendering, procuring and maintaining various facilities across the campus. For the maintenance of the garden & greenery, a gardener is engaged. The support staff takes care of the spic and span cleanliness of the floors, walls, corridors, etc.

4.4.3 How and with what frequency does the institute take up calibration and other precision measures for the equipment/instruments?

The IQAC takes necessary measures to address to the calibration and precision requirements of the equipment and instrument on the basis of suggestions and feedback received from the faculty, students and research scholars. These measures affect the upkeep of class rooms, seminar halls, laboratories and faculty rooms, departments, libraries, computers, sports equipment and materials.

- ❖ The institutional Planning Board, Purchase Committee, departments, College Council and the Library Committee provide suggestions for allocation of funds and the procurement of equipment.
- ❖ The PTA and the RDC (Local Management) monitor the maintenance of the campus and each of its constituents. They engage various agencies to repair, upgrade or replace equipment and instruments which come under the categories of plumbing, electrical works, air-conditioning, reprography, water purification and digital display. Maintenance and upgradation of computers are also contributed by the PTA and the RDC.

- ❖ The college enters into annual maintenance contracts for the right upkeep of power generator systems, AC, sophisticated instruments and office automation software. In other cases, based on the need, experts are called for taking due care of the equipment/instruments on a regular basis.

4.4.4 What are the major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.)?

High-end regulators are kept in the campus to regulate the voltage fluctuations besides UPS backups with batteries for uninterrupted power supply to all the equipment. Expert hands are appointed to take care of sensitive equipment.

Criterion - V

STUDENT SUPPORT AND PROGRESSION

5.1 Student Mentoring and Support

5.1.1 Does the institution publish its updated prospectus/handbook annually? If 'yes', what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?

Yes. The institution publishes a Handbook annually. The copies of the Handbook are distributed among the faculty and the students. The Handbook contains the following details:

- ❖ Vision and Mission of the college
- ❖ A brief history of the college and list of the Principals
- ❖ Organizational structure of the college
- ❖ Details of the faculty
- ❖ Important telephone numbers
- ❖ Details of the Tutorial System
- ❖ Admission procedures
- ❖ College Library
- ❖ Details of attendance
- ❖ Fees structure of various courses
- ❖ Fee concession
- ❖ Scheme of examinations
- ❖ Syllabus of various courses offered in the college
- ❖ Various scholarships available and their details, endowments and prizes
- ❖ Academic Calendar prepared in tune with the University Calendar
- ❖ Various club activities and co-curricular activities
- ❖ Details of research activities and research projects
- ❖ Quality enhancing systems, especially IQAC
- ❖ Details of infrastructure
- ❖ College Hostel
- ❖ College Bus
- ❖ Sample application forms
- ❖ Details about Parent Teacher Association
- ❖ Model Code of Conduct
- ❖ Details about extension clubs
- ❖ Medical inspection

Prospectus

Updated versions of the College Prospectus are brought out annually

and are supplied to the students, seeking admission to various courses. It contains the details of the college, its rules and regulations, fee structure, the courses offered, the procedure of admission, etc. It also contains information about regulations against ragging and use of mobile phones, as stipulated by the university.

The College Website

The college has a website www.sncollegechempazhanthi.ac.in which encompasses all necessary information about the college. The website is periodically updated. One can get a virtually complete idea about the college from the home page. The home page leads to Links which contain detailed information about every constituent and associated bodies. The Links are: College, News and Events, Departments, IQAC, Research, Activities, FAQ and Contact details. The following information is furnished in the Links:

- ❖ Vision, Mission and Objectives
- ❖ Visual Profile of the college
- ❖ Photos of the Founder, Founder Principal, Principal and Faculty with profile
- ❖ Principal's Message
- ❖ Management of the College
- ❖ Manager's Profile
- ❖ Academic Programmes and Courses
- ❖ Facilities
- ❖ Activities of Forums such as NCC, NSS, College Union, Alumni, PTA, Committees, Clubs, Cells and Centres
- ❖ Student Profile containing list of rank holders and achievers in the fields of sports, arts, etc.
- ❖ Scholarships, Fee concessions and Prizes, and the list of beneficiaries
- ❖ Photo Gallery
- ❖ The IQAC Window
- ❖ The Research Window
- ❖ Notice Board
- ❖ The Archives Link of the College Website contains previous events, annual reports, AQAR and the like
- ❖ List of activities and their impact
- ❖ List of extension and community activities

The college has achieved tremendous progress all along its fifty years of triumphant march from a junior college to a senior college priding in thirteen UG courses, three PG courses and two Research Centres. Among the faculty 79% hold research degrees and 21 are research guides. Hundreds of scholarly publications, innumerable university ranks and championships, praiseworthy and unique philanthropic and extension services add laurels to our institution. Above all, we open venues for generations of youth, especially those who solely depend on this college owing to their socio-cultural and economic marginalization, for the fulfilment of their educational aspirations.

5.1.2 Specify the type, number and amount of institutional scholarships / freeships given to the students during the last four years and whether the financial aid was available and disbursed on time?

The college has a regular and properly functioning system for helping the students to avail various scholarships. The following are the steps adopted for it:

- ❖ The college announces the details of scholarship through Public Addressing System.
- ❖ Circulates notices in all classes.
- ❖ A teacher-in charge is entrusted with the task of collecting applications, sorting them and submitting the hard copy to the authorities concerned.
- ❖ Students are given guidelines about online submission of the applications.
- ❖ The scholarship amount is directly deposited in the S.B account of the students by the concerned scholarship authority.

The following are the details of various scholarships/freeships availed by the students during the last five years:

Table 5.1 Details of students receiving scholarships from state/central/ other agencies

Type of Scholarship	2009-10	2010-11	2011-12	2012-13	2013-14
Post Metric	-	30	16	11	13
Central Sector	3	-	2	-	3
Suvarna Jubilee Merit Scholarship	18	4	6	9	9
Muslim Girls Merit (Paloli Muhammadkutty)	-	2	9	1	5
C.H Muhammed Koya Scholarship	-	-	-	3	5
FAEA (Foundation for Academic Excellence and Access) Scholarship	-	-	-	-	1
Aspire Scholarship	1	-	-	-	-
Sitaram Jindal Scholarship	-	-	-	1	-
State Merit Scholarship	1	6	-	-	1
Blind/PH Scholarship	-	1	-	-	1
Kerala State Higher Education Scholarship	-	-	4	6	-
Indira Gandhi Single Girl Child Scholarship	-	1	1	-	-
University Merit Scholarship	-	-	6	2	-
PG University Rank Holder Scholarship	-	1	1	-	-
Grand Total	23	45	45	33	38

Table 5.2 Department-wise details of students receiving financial assistance from government or other agencies

Department / Year	2009-10	2010-11	2011-12	2012-13	2013-14
English	30	48	38	40	32
History	79	113	88	61	71
Politics	50	68	72	68	49
Economics	81	83	92	63	60
Psychology	8	71	43	30	24
Sociology	29	56	45	39	45
Mathematics	42	37	41	34	39
Physics	30	37	42	21	21
Chemistry	22	35	31	26	27
Botany	30	37	36	30	20
Zoology	32	42	31	30	26
Geology	18	24	11	14	17
Commerce	25	17	3	7	28
Total	476	668	573	463	459

In addition to the above, the following scholarships/freeships are given to the students by the institution:

- ❖ PTA Award for the final year rank holders/top scorers of all departments
- ❖ PTA Award for excelling in various sports activities like athletics, outdoor games, swimming, cycling, etc.
- ❖ Rajangam Iyer Memorial Award for the best outgoing Psychology student
- ❖ *Gurudakshina* Award for the best outgoing Psychology student
- ❖ Endowment Award to the top scorer of final BA Economics

The following facilities are also provided to the students using the PTA fund, contribution of teaching and non-teaching staff, alumni and management:

- ❖ Free food and accommodation to economically weak students
- ❖ Free food and accommodation to sports students
- ❖ Providing Mid Day Meal for the students
- ❖ Issuing study materials for the students

5.1.3 What percentage of students receive financial assistance from the state government, central government and other national agencies?

Table 5.3 Percentage of students receiving financial assistance from the state government / central government / other national agencies

Year	2009-10	2010-11	2011-12	2012-13	2013-14
No.of Students	499	713	618	496	497
Percentage (%)	26.29	37.66	33.79	29.34	29.13

5.1.4 What are the specific support services/facilities available for:

- * Students from SC/ST, OBC and economically weaker sections
- * Students with physical disabilities
- * Overseas students
- * Students to participate in competitions/National and International
- * Medical assistance to students: health centre, health insurance etc.
- * Organizing coaching classes for competitive exams
- * Skill development (Spoken English, Computer Literacy etc.)
- * Support for “slow learners”
- * Exposure of students to other institution of higher learning/corporate/business house etc.
- * Publication of student magazines

The college provides a number of support services to the students, especially those belonging to socially and economically weaker sections. Most of the students of the college hail from remote and rural areas and so it is very difficult for them to access modern technology as much as their urban counterparts can. The following are the major support services provided to them:

- Special classes are arranged for economically backward students.
- Orientation and motivation classes are given to the students.
- Remedial classes are given to slow and weak learners.
- Special attention and care is given to physically challenged students.
- Spoken English and Computer Literacy classes are arranged by the PTA.
- The College Magazine and Department Magazines publish articles and other creations of the students, after proper scrutiny.
- The college provides financial support for the annual study tour organized by the departments.
- Financial assistance is provided to the needy students for their higher studies.
- Financial assistance is provided by the PTA which functions as a supporting agency for the students.
- Financial support is provided to the students who participate in university level cultural competitions and inter collegiate level competitions.
- Photocopying and telephone facilities are provided to the students
- First aid kits with essential medicines are provided in all departments. More over, the Department of Physical Education is equipped with first aid facilities.

- Conveyance is provided to ensure that the needy students reach hospital at the earliest.
- Residential facilities are provided to the students coming from far away places.

Gurusanthwanam

The college has instituted a supportive fund for educational assistance to the economically weak students. The college keeps the students well-informed of the availability of funds and the modality of the fund distribution. The students and staff contribute to this fund as part of their social commitment. The teaching and non-teaching staff and students have enormously contributed financial assistance for the medical treatment of the deserving students of the college. Recently Shri. Sreeju Gopal, a student of Final B.A. Economics, was given Rs. 4,00,000/- (Rupees Four Lakhs Only) from this fund along with the money contributed by the PTA and management for his kidney transplantation. The print media has given state-wide publicity to the gesture and projected it as an ideal one to be emulated.

Mid-Day Meal Scheme

This scheme aims to provide mid-day meal to the poor students, so that drop out rate owing to poverty can be stopped. This programme has been funded by the PTA. The students who are in need of this support are identified by the tutors of the respective classes. They are issued tokens at the College Central Library.

Issue of Study Materials

The college started a new scheme for providing academic material support to economically weak students who have proved their academic aptitude and competence. Under the scheme the college supplies study materials like text books, notebooks, paper, dictionary, pen, herbarium materials, calculator etc. to such students.

Equal Opportunity Cell

An Equal Opportunity Cell is efficiently functioning in the college, with financial assistance from the UGC. Its main objective is to bring the disadvantaged groups such as SC, ST, OBC, women, minorities, and the physically challenged to the main stream.

Table 5.4 List of programmes arranged in college by the Equal Opportunity Cell

Sl. No	Name of the Programme	Target Group
1.	Awareness classes on reservation clauses of Indian Constitution	SC/ST /OBC students
2.	Training in embroidery (Tailoring)	Girl students
3.	Training in Jewellery making	Girl students
4.	Yoga Class	Girl students
5.	Computer training	Financially weak students
6.	Teaching lessons in law	All second year degree students

7.	Training on manufacturing of paper carry bags (In collaboration with Institute of Gandhian Studies)	Economically weak students
----	--	----------------------------

The college ensures fee concession to all the deserving students. They are identified at the time of admission itself. Documents regarding their family annual income are collected and they are directed to apply for E-Grant of the government.

Table 5.5 Details of OBC / SC / ST / OEC Students

Department	UG											
	2010			2011			2012			2013		
	Category			Category			Category			Category		
	OBC	SC/ST	OEC	OBC	SC/ST	OEC	OBC	SC/ST	OEC	OBC	SC/ST	OEC
English	40	5	1	40	6	1	41	6	3	41	1	3
History	52	11	-	55	7	4	58	14	-	49	14	-
Political Science	32	10	1	35	8	1	36	10	2	31	12	1
Economics	46	5	-	45	12	-	40	15	-	36	11	-
Psychology	38	9	-	28	9	-	38	6	-	20	2	-
Sociology	33	10	1	30	6	-	31	10	-	28	3	-
Mathematics	37	7	-	44	-	-	29	2	-	37	3	-
Physics	23	6	1	23	1	-	22	2	2	23	1	-
Chemistry	29	2	-	32	3	-	28	4	2	33	1	2
Botany	22	5	-	10	3	-	11	2	-	10	3	-
Zoology	23	4	-	25	3	-	24	4	-	24	4	-
Geology	14	1	1	15	1	2	19	-	1	22	2	1
Commerce	32	5	1	26	5	-	29	6	-	16	5	-
Total	421	80	6	408	64	8	406	81	10	370	62	7
PG												
English	-	-	-	-	-	-	-	-	-	-	-	-
History	6	2	-	6	1	-	3	1	-	8	1	1
Chemistry	10	3	-	9	3. 2	-	10	-	-	9	1	-
Total	16	5	-	15	3	-	13	1	-	17	2	1

Table 5.6 Details of fee concessions availed by students

Financial Assistance	2009-10	2010-11	2011-12	2012-13	2013-14
OBC Grant (Other Backward Commission)	62	110	92	88	95
KPCR (Kumara Pillai Commission)	300	399	344	237	173
OEC (Other Eligible Caste)	7	9	9	5	4
SC (Scheduled Castes)	95	57	55	41	71
ST (Scheduled Tribes)	-	-	1	-	4
FC (Forward Caste)	3	3	1	5	2
SEBC (Socially and Educationally Backward Castes)	11	17	9	21	9

Facilities for students with physical disabilities

Special attention is given to ensure that the physically challenged continue their studies. The following are the support systems provided to such students:

- At the time of admissions the college strictly follows the government rules of reservation regarding differently abled students. As per this, three percentage of the seats are reserved for such students.
- The classes for the physically challenged students are arranged in ground floor only, and the time table and class room allotments are modified accordingly. Examination seating arrangements for such students are also made on the ground floor itself.
- The Central Library is located on the ground floor and the College Auditorium is also constructed at land level for the convenience of the physically challenged students. Wheel chair service is available to the them in the library. They can request for books from the library either through phone calls or messages. Student volunteers extend their service to deliver the books to the physically challenged in their class rooms or at their doorsteps. For returning the books also, student volunteer service is available.
- Ramps are provided at different parts of the college for easy mobility of such students.
- The rest rooms are designed in such a way that wheel chairs can enter and move about in them.
- Special computers are provided to visually challenged students.
- Visually challenged students and those whose right hand is impaired are permitted to use scribe service in all examinations.

Overseas Students

No foreign/overseas students have enrolled in the college for the last five years.

Facilities for students to participate in national and international competitions

The college does everything to foster cultural, physical, literary, artistic and intellectual talents of the students. The following are the measures adopted in this direction:

- ❖ The talented students are identified and are given motivation and training for their participation in national and international programmes and competitions.
- ❖ The college provides special accommodation facility to the students who get admitted in sports quota.
- ❖ The playground and athletic ground suffice the requirements of the students for physical training and practice which are held every morning, and evening, and on holidays.
- ❖ The students who take part in off campus cultural, sports and games competitions are given financial assistance for their travel, stay and other requirements.
- ❖ To bring our talents on a par with national excellence we impart training to our students by providing expert trainers.
- ❖ The college has alliance with LNCPE (Lakshmibhai National College of Physical Education) and SAI (Sports Authority of India) for sharing their latest facilities, receiving intense coaching from their experts in sports and games, and all other outdoor games and athletics.
- ❖ The college conducts in-house competitions to identify promising students who can be groomed to achieve success with proper training.
- ❖ The college has instituted a fund for talent enhancement. The resources are mobilized from the UGC and the PTA.
- ❖ The college conducts additional classes for the students in order to compensate for the classes that they lose owing to the training, practice and competitions.
- ❖ The units of the NSS and NCC function so excellently that they have brought enviable honour to the college. Our NSS volunteers often qualify for participation in Republic Day Parade, National Integration Camps and National Adventure Camps. Some of our NCC cadets have taken part in the Republic Day Parades in New Delhi.
- ❖ There are various clubs functioning in the college such as Drama Club, Performing Arts Club, Music Club, Debate Club, Media Club, Quiz Club, Science Club etc. These clubs provide a platform for practice, and encourage and support the students to participate in national and international competitions.

Medical Assistance to Students

The college gives utmost importance to the health aspects of the student community. The college provides the following medical assistance and facilities:

- ❖ All the students of the college are protected under Group Personal Accident Insurance (GPAS).
- ❖ All departments of the college have well-equipped first aid kits.
- ❖ The college has alliance with two local hospitals (R.G Clinic, Kariyam and the Medical College Health Centre, Pangappara), by virtue of which we get immediate medical attention for any contingency. The medical team visits the campus in case the sick cannot be taken to the hospital. All vehicles of the staff available in campus are ready for emergency health services.
- ❖ The NSS unit of the college annually conducts medical camps for all students.
- ❖ For the external medical treatment of the economically backward students the college extends financial assistance.
- ❖ The college has a system to procure preventive medicines and distribute them to the students and staff to ward off contagious diseases.
- ❖ There is a sick room, equipped with essential medicines, in the college for the benefit of the students who fall ill during class hours.
- ❖ The following awareness classes on health issues have been conducted:
 1. Mental Health Awareness
 2. Health and Hygiene
 3. Family Life Education
 4. HIV/AIDS Awareness (University Talk Aids UTA-II, Red Ribbon, etc.)
 5. Yoga, Meditation and Mindfulness
 6. Medical Checkup and Blood Grouping
 7. Cleanliness Awareness for Students
 8. Life-Skill Development Classes
 9. Awareness class on the abuse of drugs and narcotics
 10. Awareness class on Palliative Care by the Regional Cancer Centre, Thiruvananthapuram
 11. Awareness class on Life Style

Coaching Classes

The college organizes coaching classes for regular students for various competitive examinations. Coaching classes are organized for UPSC/KPSC tests, Bank tests, UGC/CSIR examinations, State Eligibility Test, Civil Service Examinations etc.

Our Career Guidance and Counselling Centre takes the initiative to strengthen the employability of our students. The following are the major steps taken in this direction:

- The Cell gathers information about current and potential employment opportunities and the nature and content of the tests and examinations, and imparts coaching to students in the topics.

- An Internet Café is set up in the Central Library Hall.
- Practice sessions giving tips, suggestions and practice to succeed in interviews, group discussions and individual presentations.
- Coaching for Personality Development and Attitudinal Improvement
- Practice in the right way of communication, interaction and proper body language
- Training in preparing suitable Curriculum Vitae for various types of jobs.
- Giving tips and suggestions for appropriate self description and self presentation, and boosting confidence.

The Career Guidance and Counselling Centre is attached to the Department of Psychology. In January 2011 the college conducted a three-day training programme on Career Opportunities, for 85 selected students. The seasoned programme included intensive practice sessions, mock tests, group discussions, soft skill development training and English language skill development segments.

During the 12th Plan period the Post Graduate Departments of History and Chemistry conducted coaching classes for UGC/CSIR tests utilizing the fund sanctioned by the University Grants Commission. Four students, Praveen P.J, Shine.A, Athira.V.S.and Aswathy.L of the Department of Chemistry qualified in the CSIR- NET, while A. Ashalatha and V.S.Athira qualified UGC-NET .two students, Athira.S and Umesh Mani of the Department of History qualified in the UGC-NET exams. Table 5.7 presents the department wise data in this regard.

Table 5.7 Students qualified in NET/SET

Department	UGC NET	GATE	UGC-CSIR	SET
English	2	-	-	-
History	3	-	-	-
Psychology	2	-	-	1
Sociology	8	--	--	6
Mathematics	-	-	-	-
Physics	3	-	-	-
Chemistry	1	2	4	1
Geology	2	-	-	-

Skill Development

For the soft skill development of the students, the college is providing classes in Computer Literacy and Spoken English. This service is offered to all the final year degree students. Guest faculty is recruited for imparting training. At the end of the training, examinations are conducted and certificates issued.

Additional Skill Acquisition Programme (ASAP)

The Departments of Higher Education, General Education, Local Self Government, and the Government of India have jointly launched

an Additional Skill Acquisition Programme (ASAP) as part of State Skill Development Programme to enhance the employability of students passing out of Higher Secondary Schools (+2) as well as graduate courses. The whole idea is that the students will be given skill training, in addition to their regular academic programme/curriculum in the crucial sectors as being demanded by the industry. This skill training will be conducted before and after school/college timings as well as during holidays/vacations. Thus when they complete their regular academic programmes they will also get additional skill certifications. This will ensure them job opportunities immediately on completion of each stage of their academic programme. 29 students are selected for ASAP programme in the year 2014.

Walk With A Scholar

For providing necessary orientation to the students of Arts, Science and Commerce disciplines of the college, the programme entitled Walk With A Scholar was started in the college in the academic year 2014-15. It is strictly on the basis of the stipulations and guidelines given by the UGC. The scheme introduces mentoring and builds on the concept of mentor as a 'Guide' and 'Friend'. Needy students are identified with the help of the class tutors and necessary guidance, motivation and mental support are given. Dr. Aravind Thampi, Department of Psychology is the co-ordinator of Walk With A Scholar Programme. Thirty students from first year degree classes are identified and are given training by employing external experts. The programme is functioning successfully.

Spoken English Course

The college conducts Spoken English and Communication Skills Sessions for all final year degree students. Special emphasis is given to the development of reading, writing and speaking skills. Guest faculty is recruited for the purpose. Certificates are distributed to the students after conducting an examination.

Computer Literacy Programme

All the departments of the college have computer with internet connectivity. In addition to it, there is a Computer Lab and Internet Café in the college. The Computer Literacy Class is an essential component of the degree courses offered in the college. The aim is to make all the students computer literate by the end of the course. It is materialized by the employment of a guest faculty who is proficient in computer course. Examinations are also conducted and certificates are issued to the students.

Mushroom Cultivation

The Department of Botany is offering an open course to the students of degree courses on Mushroom Cultivation. Both theory and practical training classes are provided as part of the course. Moreover practical training on mushroom cultivation has been arranged once a year from 2011. In addition to the students, the people from the adopted village ie, Chempazhanthi Gurukulam Residents' Association area have also participated in the training programme conducted in November 2014.

Ornament Making

The NSS units of the college in association with the Equal Opportunity Cell have been conducting a training programme on ornament making for the girl students for three consecutive years from 2011. Several students have benefited from it.

Personality Development

Several programmes are organized in the college for the personality development of the students. The Career Guidance and Placement Cell of the college has always given prime importance to this aspect. The NSS is also involved in organising programmes with the aim of personality development of the students. The following are some of the programmes organized in this respect:

Table 5.8 List of Personality Development Programmes

Sl. No	Name of the Programme	Organising Department	Month and year
1.	Training Programme on Human Rights conducted in Sree Narayana College, Chempazhanthi in 2012 sponsored by the National Human Rights Commission, New Delhi.	Department of History (Sponsored by National Human Rights Commission)	October 2012
2.	Observation of Important Days	NSS	Every year
3.	Observation of Important Days	NCC	Every year
4.	Book Exhibition	Book Club	2012 & 2013
5.	Communicative Applications in English	English	2012 onwards
6.	Computer Literacy Programme	All Departments	Every year
7.	Socio-Economic Survey in the adopted village	NSS	2009-10
8.	A class on Gandhian ideals and struggles	NSS	7 January 2009
9.	Awareness Classes on Blood Donation	NSS	Every year
10.	Awareness classes against AIDS	NSS	Every year

Scholar Support Programme

It is a programme initiated by the Department of Higher Education, Government of Kerala. The programme involves remedial classes for selected students who are weak in studies. The Principal inaugurated the Scholar Support Programme in our college on 05-02-2014.

The College Council held on 20-01-2014 identified six subjects – two science subjects (Botany, Mathematics), three arts subjects (English, Economics, Political science) and Commerce, to implement this programme.

The College Council appointed Smt. Anjana V., Assistant Professor of Statistics as the Co-ordinator in charge of SSP. Eight to ten students were selected from each of these departments for the special classes under SSP. Recently four departments are also included in the scheme as per the direction of the Department of Higher Education.

A total of 130 hours (120 hours of teaching for the respective subjects and 10 general classes) were handled by the faculty members from different departments of this college. Class tests were conducted and model question papers were discussed during the tutorial hours. A total of twenty one books were also procured under this programme and are kept in the library for reference by the students.

Support for Slow Learners

Remedial classes are conducted to support slow learners. Study Circles are formed, after identifying the slow learners, in each class with an average of 8 students, among whom one is selected as the leader. Every department conducts post admission test to assess the knowledge level required as a pre-requisite for the concerned subject. Based on the results of the post admission test, bridge courses are undertaken by the departments concerned to enhance the knowledge of students. The teacher-in-charge of the remedial coaching and Equal Opportunity Cell co-ordinates the special classes arranged for slow learners.

Spectrum Seminar Series

An annual seminar series, Spectrum, was started in the year 2004 as a 15 day programme, with 13 sessions exclusively for student paper presentations, and 27 sessions for presentations by eminent scholars, experts and specialists from diverse fields. This academic fiesta continued all through the following years, achieving quantitative and qualitative improvement each year. In 2009, 114 papers were deliberated and discussed in the seminars. This trend continued and in 2013-14 about 128 papers were presented and discussed.

FLAIR

Fostering Linkages in Academic Innovation and Research (FLAIR) is a capacity building programme of the Department of Higher Education, Government of Kerala, for the newly joined faculty members of Arts and Science Colleges, Engineering Colleges, and the Teaching Departments of universities.

The FLAIR conducted an interview in August 2014 at the State Science and Technology Museum, PMG. They selected 210 from 350 members of faculty from various disciplines for further programmes. Shri.Sreenish T.V, Assistant Professor in Political Science of the college was selected for the FLAIR Induction Training Programme from 05-11-2014 to 07-11-2014.

Teens Club

The ARSH (Adolescence Reproductive and Sexual Health) is a club of Teens in the college. The club started its functioning in the college from the academic year 2012-2013. The National Rural Health Mission and Department

of Health Service have provided all assistance to the programme. The NSS Programme Officers were appointed as its co-ordinators. The Health Corner of the Teens Club has a weighing machine, height measuring device and a Body Mass Index Chart. The first programme was a Medical Camp and Blood Donation Awareness Class by Dr. Saravana Kumar (Deputy Superintendent, SAT Hospital, Thiruvananthapuram). Feature films screened as part of the programme gave awareness about blood donation and diseases like HIV/AIDS. About 200 students were benefited from the class.

A Health Survey was conducted by the volunteers at Chenkottukonam Residential Area on 23-12-2013. The analysis showed that 43% people of the study area are suffering from life style diseases like diabetes, hypertension, etc. So an awareness class on Life Style Diseases was conducted by Dr. Benny P.V (President, IMA, Kazhakootam) on 24-12-2013 at the Government LPS Chenkottukonam.

Teens Club conducted a medical camp for the students of our college on 08-03-2014 at the college Guest Room. The aim of this camp was to detect anaemia among students. Dr. Gayathri and Dr. Devaraj from Pangappara PHC collected blood samples for analysis. As per the direction of the doctors, anaemic students were sent to PHC, Pangappara for further medical care. Free drug distribution in cooperation with the PHC, Pangappara for the eradication of filariasis was conducted on 20-03-2014 in the Seminar Hall.

Visit to other institutions of higher learning, corporate / business houses etc.

- ❖ The students visit other institutions of higher learning, industries and corporate business houses. There they observe the functioning of the organizations and technologies used, and interact with the experts there.
- ❖ The students are motivated to attend national and international seminars arranged in various institutions in the state and outside, accompanied by faculty members. They are provided for accommodation and travel by the PTA.
- ❖ Several students participated in the Kerala Science Congress, annual sessions of academic bodies like Kerala Sociology Association, South Indian History Congress, Indian History Congress, Association of Third World Studies etc. Some students presented papers in these conferences and bagged the best paper award.
- ❖ Historico-cultural tour programmes are organized at department level annually for giving more exposure to the students.
- ❖ Nature camps and trekking are conducted annually under the auspices of the NSS units and Nature Club of the college.

For the benefit of the students, field visits are arranged by all the science departments. Such visits are arranged to various institutions like JNTBGRI, Zoological Parks, CTCRI, VSSC-ISRO, Indian Institute of Fisheries, Rubber Research Institute, NIIST, IISc, NCESS, Archives, libraries etc.

Publication of Student Magazines

The institution publishes a College Magazine annually. It contains literary creations like poems, short stories, anecdotes, criticism, film appreciations, interviews and cartoons penned by students and the faculty of the college. The Staff Editor meticulously screens the articles before publication to ensure the quality of the Magazine. The Magazine is a platform for presenting the literary talents and aesthetic sensibility of the students. Instead of ascribing a common name to the College Magazine, different names are given each year. The Magazine Committee consists of the Chief Editor (Principal), Staff Editor, Student Editor, Staff Sub-Editors, Proof Readers etc. The following are the titles given to the magazines from 2008 to 2014.

Table 5.9 College Magazines titles

Sl. No	Year	Name of Magazine
1.	2008-2009	<i>Spanthanam</i>
2.	2009-2010	<i>Sakshi</i>
3.	2010-2011	<i>Thulika</i>
4.	2011-2012	<i>Voice</i>
5.	2012-2013	<i>Ayanam</i>
6.	2013-2014	<i>Dhruva</i>

In addition to the College Magazine, we publish department level magazines also.

5.1.5 Describe the efforts made by the institution to facilitate entrepreneurial skills, among the students and the impact of the efforts.

To cater to the needs of the students hailing mainly from the rural areas, several entrepreneurial skill development programmes are initiated. These include training programmes, industrial visits, conducting food festivals, exhibitions, community services, Earn While You Learn programme, awareness classes by experts, campus recruitment initiatives, etc. The Department of Geology provides technical support and guidance to students engaged in the assessment of ground water potential in areas with scarcity of water.

5.1.6 Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and co-curricular activities such as sports, games, quiz, debate and discussions, cultural activities etc.

- Additional academic support, flexibility in examinations
- Special dietary requirements, sports uniform and materials
- Any other

The college gives all support to students for developing their talents in arts and literature, sport and games, and social service. Through NCC they are

trained in disciplined life and nation building activities. The NSS offers ample opportunity to grow as socially useful citizens. The Department of Physical Education provides sports uniforms, transportation facilities, medical care, coaching classes, facilities for fitness etc. Food, accommodation, transportation etc., are provided by the PTA to the students and the faculty who accompanies them to cultural events and competitions. We practice public honouring of winners and achievers in functions arranged for the purpose. For developing the skills of the student community in-house competitions are conducted in quiz, debate, group discussion, elocution, essay writing etc. The various clubs functioning effectively in the college are training platforms for the students.

The college authorities and the faculty are very much concerned about the academic and extracurricular activities of the students. Special classes are arranged for the students who participate in sports, arts, social services, parades and special camps. The science departments also arrange special practical sessions to such students. For the benefit of these students flexible arrangements like retests are given. The service of highly qualified coaches is arranged to give training to the sports students, with the help of Kerala Sports Council. Regular practice is conducted in the college ground in the evening. Special dietary food is provided to the students through the College Canteen while they participate in training, or attend special camps.

Founder's Day (November 7) is marked by commemorative lectures and, quiz and elocution competitions are conducted every year. Eminent administrators, political leaders, academicians like Shri. Vakkom Purushothaman (Former Governor, State of Mizoram), Shri. G. Karthikeyan (Speaker, Kerala Legislative Assembly) etc., are invited for delivering the lectures. Various committees and clubs are functioning in the college for the benefit of the students. Their constitution, purpose and faculty in charge are given below:

Table 5.10 List of conveners in charge of various activities

Areas allotted	Convener	Members
Overall club activities		
The functioning of various clubs in the college	Smt. Neena L.	Dr. Reena Ravindran, Dr. Devipriya V.
Alumni Association		
Organizes various cultural programmes and competitions; focuses on encouraging and developing the artistic talents in the members of the Alumni and their children	Smt. Preetha V.K	Dr. K. L. Vivekanandan, Dr. Lekha K Nayar
Award Committee		
Aims at finding sponsors and conducting award functions to	Dr. Kiron Vasudevan	Smt. Vidya Panikker,

honour the outstanding students of various disciplines		Smt. Mini Suresh
Science Club		
Organizes programmes to inculcate scientific temper of students	Dr. C. R. Kalakumari	Smt. Amaladevi PS., Dr. D.Beena, Dr. K. P. Jayasree, Smt. Vidia Panikker, Dr. Geetha S.
NSS		
Organises and conducts the NSS activities in the campus	Smt. Aiswarya A.S.	Shri. Sreenish T.V.
Nature Club		
Organizes programmes related to biodiversity & conservation activities	Dr. K.R. Kavitha	Smt. Gadha S. Smt. Mini Suresh
Remedial Coaching Centre		
Special coaching to educationally & financially backward students	Dr. Suma S.	Dr. V. Bhagavathy Dr. Suma B.S.
NCC		
Organises and conducts the activities of the NCC in the campus	Capt. (Dr) Biju SS	--
Performing Arts & Music Club		
Organizes cultural programmes & encourages such skills in the students	Dr. Lekha K. Nayar	Dr. Girijakumari R. Dr. Uthara Soman
Media Club		
Activities related to the media	Dr. Manu Remakanth	Smt. Lekshmi Priya P.S. Smt. Nayana Konath
Human Rights Forum		
Helps the students to build an awareness of their Rights as human beings residing in a civilized society	Dr. Vijayanatharaj P.S	Dr. Jameela VA Dr. Vinod C Sugathan
Sports Club		
Promotes sports and games in campus, identifying and nurturing young talents	Capt. (Dr) Biju SS	Physical Education
Forest Club		
To impart basic knowledge to students about the conservation and maintenance of forest wealth and it's sustainable use	Smt. Aiswarya A.S.	Shri. Sreenish T.V. Smt. Preetha V.K.

Career Guidance and Counselling		
Assists and guides students to deal with personal and academic problems; provides information on job opportunities and higher academic options	Dr. Aravind Thampi	Dr. Kiron Vasudevan Prof. Gadha S.
Literary & Book Club		
Guides and activates students' skill towards reading	Smt. P.S. Julie	Dr. Manu Remakant Prof. Sini V.
Debate & Quiz Club		
Organizes Debates & Quiz programmes	Dr.S.Girija Kumari	Dr. K. Vijayakumar Dr.V. Bhagavathy
Red Ribbon Club		
Project of blood donation under NSS	Smt. Aiswarya A.S.	Shri. Sreenish T.V. Smt. Preetha V.K.

- The various cultural clubs functioning in the college like the Arts Club, Drama Club, Music Club, Dance Club, Media Club, etc. co-ordinate the cultural activities of the students and give them proper training.

The following are some of the steps taken to foster the cultural and academic talents of the students.

- Providing motivation and materials for reading to the students.
- Guidance to face competitive examinations.
- Motivation to utilize the e-resources.
- Special care to SC/ST students in fostering confidence, improving curriculum skills and buiding up future career.
- Provision for free study materials for NET to SC/ST students.

The faculty of the college has generously extended monetary support to many such students to assist them in their studies as well as in their personal growth.

5.1.7 Enumerating the support and guidance provided to the students in preparing for the competitive exams, give details of the number of students who appeared and qualified in various competitive exams such as UGC - CSIR- NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central /State services, Defence, Civil Services, etc.

- ❖ The college organizes coaching classes for preparing the students to face various competitive examinations. The Department of History and Chemistry have conducted coaching classes for UGC-NET examination using the financial assistance from UGC during the eleventh plan period. The Department of English also conducts NET coaching classes for their third semester PG students from 9 a.m to 10 a.m on working days.
- ❖ The Equal Opportunity Cell functioning in the college conducts

various programmes for the benefit of SC/ST students and other deprived sections of students.

- ❖ Computer training and Spoken English classes are arranged for the final year degree students.
- ❖ Soft skill Development programmes for students are conducted.
- ❖ From 2009 to 2014, 14 students qualified UGC-NET, 3 students qualified GATE, 12 students qualified UGC-CSIR-NET and 43 students qualified SET examinations.
- ❖ Several scholars have succeeded in PSC tests and other competitive examinations.

5.1.8 What type of counselling services are made available to the students (academic, personal, career, psycho-social etc.)

The Career Guidance and Counselling Centre of the college is very active in conducting counseling services. About 54 students have benefitted from the counselling offered by the Department of Psychology. Individual career counselling has been given to 22 students by Dr. Aravind Thampi, a member of the faculty of Psychology.

The counselling programmes include:

- ❖ Student Counselling
- ❖ Career Counselling
- ❖ Aptitude Testing
- ❖ Awareness Talks
- ❖ Installation of solution box near the Ladies' Waiting Shed
- ❖ Yoga for Stress Management
- ❖ Study Habit Corrective Programme for weak students
- ❖ Family Counselling for parents with problems
- ❖ Substance Abuse Awareness and Prevention Programme
- ❖ Pre-marital Counselling.

5.1.9 Does the institution have a structured mechanism for career guidance and placement of its students? If 'yes', detail on the services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different employers (list the employers and the programmes).

The institution has a structured mechanism for career guidance and placement. The Career Guidance and Placement Cell provides training to the students on Personality Development and Soft-Skill Development and equips them with employable skills. Seminars and invited lectures are arranged for creating awareness among the students about the opportunities available in the job market. For helping the students, job fairs are arranged in the college. Group discussions and mock interviews have been arranged for the same purpose. From 2009 to 2014, some reputed companies from the software field, the insurance sector and the banking sector visited the college and conducted recruitment campaigns. The reputed recruiting companies include Wipro, TCS, Eureka Forbes, ICICI, HDFC and Muthoot group. Students also benefitted out of the ASAP programme of the Government of Kerala.

5.1.10 Does the institution have a student grievance redressal cell? If yes, list (if any) the grievances reported and redressed during the last four years.

A Grievance and Redressal Cell is functioning in the college for students. The Cell is headed by the Principal, with a senior faculty member as the Co-ordinator. All the departments have units of the Grievance Cell supervised by the Heads of the Departments. The group tutors are entrusted with the task of co-ordinating the activities within the department. Since the tutorial system functions efficiently, the number of complaints addressed to the Grievance Cell is very meagre. Still some complaints regarding general facilities have come up such as:

- Rescheduling the class timing as per the convenience of the students and availability of transportation.
- Provision for drinking water arranged in the college (using the PTA funds) as demanded by the students.
- Improvement of toilet facilities in the campus and the construction of women-friendly toilets.

All these grievances have been redressed.

5.1.11 What are the institutional provisions for resolving issues pertaining to sexual harassment?

As per the guidelines of the Supreme Court of India, the UGC, the Government and the University, a Sexual Harassment Prevention Cell has been constituted with the Principal as the Convener and two teachers, one non-teaching staff and the College Union Chairman as members. A minimum of two meetings are held every year. Thanks to the moral enlightenment given to the students and the sense of sexual equality instilled in them, no incident of sexual harassment in the campus has been reported yet.

5.1.12 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?

The college gives due importance to ragging issues and strictly follows the guidelines of the UGC in this direction. The college has strictly prohibited ragging in any form in the college. The Anti-Ragging Cell gives awareness classes to the students regarding the legal aspects of ragging. Complaint boxes are kept in the college and students are given assurance that all the complaints will be confidential and that strict action will be taken against those who involve in ragging or any such activities. A talk on the Psychological Aspects of Ragging was conducted in March 2012. Display Board bearing consequences of ragging and the punishment it attracts is installed conspicuously in the campus. It is compulsory that parents and students submit signed Anti-ragging declaration forms at the time of admission. No instance of ragging has been reported yet.

5.1.13 Enumerate the welfare schemes made available to students by the institution.

There are various welfare schemes in the college for the benefit of the students like *Gurusanthwanam*, Mid Day Meal Scheme etc. The PTA of the college utilizes its funds mainly for the welfare of students. The Women's Study Cell, Equal Opportunity Cell, Career Guidance and Counselling Cell organize various programmes for student welfare.

5.1.14 Does the institution have a registered Alumni Association? If 'yes', what are its activities and major contributions for institutional, academic and infrastructure development?

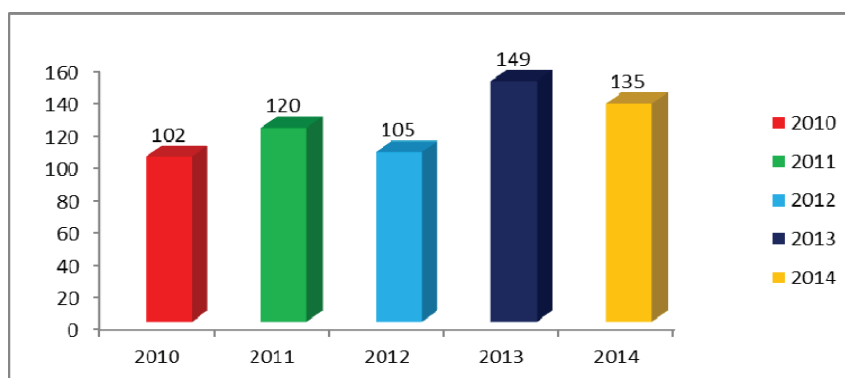
The college has a registered Alumni Association namely CHESNA (Chempazhanthu SN College Alumni). The president of the Alumni is Shri.Sarathchandra Prasad, former MLA, Kerala Legislature. It contributes largely to the development of the college as follows : :

- Annual General Body Meetings
- Distribution of awards to students for meritorious contributions
- Batch-wise meetings arranged in the college
- Family get together of the alumni
- Paying respect to teachers by arranging special meetings
- Monitoring the programmes of the college and giving suggestions for its betterment
- Active involvement in all the programmes of the college

5.2 Student Progression

5.2.1 Providing the percentage of students progressing to higher education or employment (for the last four batches) highlight the trends observed.

Text Fig.5.1: Details of Student Progression from UG to PG



The following table shows the progression rate of students for the last five years.

Table 5.11 Details of Student Progression

Student Progression – UG Departments						
Sr. No.	Department	2010	2011	2012	2013	2014
1.	English					
	UG to PG	14	11	15	25	22
	PG to MPhil	-	-	-	-	-
	PG to PhD	-	-	-	-	-
	UGC-NET	1	1	-	-	-
	UGC-CSIR-NET			-	-	-
	Employed other than Campus Recruitment	19	17	12	10	5
2.	History					
	UG to PG	6	3	2	6	11
	PG to MPhil	-	1	-	-	-
	PG to PhD	-	-	-	-	-
	UGC-NET	1	1	1	-	-
	UGC-CSIR-NET	-	-	-	-	-
	Employed other than Campus Recruitment	2	-	-	-	-
3.	Political science					
	UG to PG	3	4	3	6	8
	PG to MPhil	1	-	-	-	-
	PG to PhD	-	-	-	-	-
	UGC-NET	-	-	-	-	-
	UGC-CSIR-NET	-	-	-	-	-
	Employed other than Campus Recruitment	5	4	3	5	-
4.	Economics					
	UG to PG	12	6	7	6	6
	PG to MPhil	-	-	-	-	-
	PG to PhD	-	-	-	-	-
	UGC-NET	-	-	-	-	-
	UGC-CSIR-NET	-	-	-	-	-
	Employed other than Campus Recruitment	-	-	-	-	-
5.	Psychology					
	UG to PG	5	8	8	10	11
	PG to MPhil	-	-	-	-	-
	PG to PhD	-	-	-	-	-
	UGC-NET	-	1	1	-	-
	UGC-CSIR-NET	-	-	-	-	-
	Employed other than Campus Recruitment	6	9	8	5	-

6.	Sociology					
	UG to PG	12	10	14	8	7
	PG to MPhil	2	-	-	1	-
	PG to PhD	1	-	1	1	-
	UGC-NET	3	2	1	2	-
	UGC-CSIR-NET	-	-	-	-	-
	Employed other than Campus Recruitment	4	4	3	2	1
7.	Mathematics					
	UG to PG	12	8	9	7	8
	PG to MPhil	2	2	-	-	-
	PG to PhD	-	-	-	-	-
	UGC-NET	-	-	-	-	-
	UGC-CSIR-NET	-	-	-	-	-
	Employed other than Campus Recruitment	6	5	-	4	-
8.	Physics					
	UG to PG	12	13	12	11	7
	PG to MPhil	1	1	-	-	-
	PG to PhD	-	-	-	-	-
	UGC-NET	1	2	-	-	-
	UGC-CSIR-NET	-	-	-	-	-
	Employed other than Campus Recruitment	14	17	-	-	-
9.	Chemistry					
	UG to PG	9	9	9	15	10
	PG to MPhil	-	-	3	-	-
	PG to PhD	3	-	-	-	-
	UGC-NET	-	-	1	-	-
	UGC-CSIR-NET	1	2	-	1	-
	Employed other than Campus Recruitment	2	7	5	-	-
10.	Botany					
	UG to PG	4	10	4	8	6
	PG to MPhil	-	-	-	-	-
	PG to PhD	4	2	-	-	-
	UGC-NET	-	-	-	-	-
	UGC-CSIR-NET	-	-	-	-	-
	Employed other than Campus Recruitment	6	6	2	-	-
11.	Zoology					
	UG to PG	4	5	4	4	4
	PG to MPhil	-	-	-	-	-
	PG to PhD	-	-	-	-	-
	UGC-NET	-	-	-	-	-
	UGC-CSIR-NET	-	-	-	-	-

	Employed other than Campus Recruitment	6	6	5	5	-
12.	Geology					
	UG to PG	9	17	18	24	20
	PG to MPhil	1	-	2	-	-
	PG to PhD	1	-	1	-	-
	UGC-NET	-	-	1	-	1
	UGC-CSIR-NET	-	-	1	1	-
	Employed other than Campus Recruitment	2	12	4	-	-
13.	Commerce					
	UG to PG	-	16	-	11	15
	PG to MPhil	-	-	-	-	-
	PG to PhD	-	-	-	-	-
	UGC-NET	-	-	-	-	-
	UGC-CSIR-NET	-	-	-	-	-
	Employed other than Campus Recruitment	8	11	4	15	15

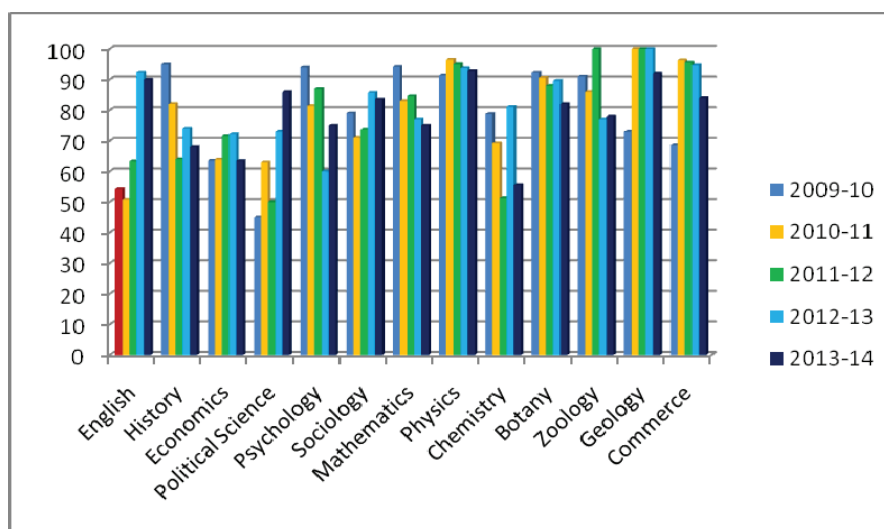
5.2.2 Provide details of the programme wise pass percentage and completion rate for the last four years (course wise/batch wise as stipulated by the university)? Furnish programme-wise details in comparison with that of the previous performance of the same institution and that of the Colleges of the affiliating university within the city/district.

Table 5.12 Programme wise pass percentage and completion rate of students

Pass Percentage and Completion Rate										
Department	2010		2011		2012		2013		2014	
	Pass %	Completion Rate	Pass %	Completion Rate	Pass %	Completion Rate	Pass %	Completion Rate	Pass %	Completion Rate
UG										
English	54	95	51	74	63	80	92	96	90	96
History	95	92	82	86	64	84	74	74	68	76
Political Sci.	45	94	63	94	50	90	73	94	86	96
Economics	64	91	64	80	72	87	72	78	63	89
Psychology	94	80	81	89	87	69	60	60	75	63
Sociology	79	94	71	79	74	87	86	88	84	93

Mathematics	94	72	83	98	85	96	77	95	75	79
Physics	91	100	97	100	95	100	94	100	93	93
Chemistry	79	85	69	90	51	95	81	95	53	92
Botany	92	87	91	100	88	97	90	94	82	84
Zoology	91	90	86	88	100	100	77	79	78	77
Geology	73	100	100	100	100	98	100	100	92	100
Commerce	69	93	96	93	96	93	95	95	84	97
PG										
History	100	100	96	86	100	100	92	92	100	100
Chemistry	85	100	79	92	100	100	100	100	75	92

Text Fig. 5.2: Programme wise pass percentage of students



5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?

The main reasons for drop out of students are admission to professional courses, poor economic conditions and early marriage of girl students. The college adopts the following in order to facilitate student progression to higher level of education and employment:

- ❖ Special classes for weak students so that they reach the level of other students
- ❖ Free remedial coaching for SC/ST and OBC students
- ❖ Awareness classes at the beginning of the academic year to reduce the drop out due to admission to professional courses.
- ❖ Identification of economically weak students and giving them financial support.
- ❖ Counselling to girl students and their parents about marriage and family life.

5.2.4 Enumerate the special support provided to students who are at risk of failure and drop out?

In order to check the dropout rate of students the following steps are taken in the college:

- ❖ Economic support using PTA funds and staff contribution.
- ❖ Remedial coaching to the academically weak students and SC/ST/OBC students
- ❖ Insistence on punctuality and regularity and due support to ensure them.
- ❖ Employment of Group sms service to inform the parents and students, about important matters regarding academic activities.
- ❖ Scholar Support Programmes, ASAP, Walk With A Scholar, counselling and hostel facilities.

5.3 Student Participation and Activities

5.3.1 List the range of sports, games, cultural and other extracurricular activities available to students. Provide details of participation and program calendar.

Achievements in Sports and Games

The college has a unique track record in sports and games. The students of the college who have participated in various inter-collegiate, inter-university, state level, national level and international level competitions have brought laurels to the institution. The college won the G.V Raja Trophy for the best performing college in sports and games under the University of Kerala for three consecutive years 2004-2005, 2005-2006 and 2006-2007, thus achieving a hat-trick.

Various outdoor sports and games facilities are available in the college that are being effectively utilized by the students. Coaching and facilities for outdoor games like football, volleyball, cricket and hockey are provided. Coaching is given in athletics also. Cycling and Swimming are two of the areas where our students excel. Students showing interest in sports and games are provided with hostel accommodation in the college premises in order to enable them to concentrate in their practice sessions. The following table gives details about the major achievements in sports:

Table 5.13 Major achievements in sports

Sl. No	Year	Major Championships Won
1.	2009-10	Kerala University Inter Collegiate Champions <ol style="list-style-type: none"> 1. Aquatics (Men) 2. Cycling (Men) 3. Water Polo (Men) 4. Athletics (Men) Ind. position winners

		5. Volleyball (Men) IInd. position winners 6. Hockey (Women) IIIrd. position winners 7. Cycling (Women) IIIrd. position winners
2.	2010-11	Kerala University Inter Collegiate Champions 1. Aquatics Overall (Men) 2. Cycling (Men) 3. Water Polo (Men) 4. Cycling (Women) 5. Athletics (Men) Runner Up
3.	2011-12	Kerala University Inter Collegiate Champions 1. Aquatics (Men) 2. Cycling (Men) 3. Cycling (Women) 4. Athletics (Men) Runner Up 5. Hockey (Women) Runner Up
4.	2012-13	Kerala University Inter Collegiate Champions 1. Aquatics (Men) 2. Water Polo (Men) 3. Cycling (Men) 4. Athletics (Men) IIIrd. Position 5. Hockey (Women) Runner Up 6. Cycling (Women) 7. Wrestling (Women) Runner Up 8. Aquatics (Women)
5.	2013-14	Kerala University Inter Collegiate Champions 1. Hockey (Women) Runner up

Table 5.14 Details about the Individual All India University achievements during 2009 - 2014

Year	Name	Department	Event / Game	Place
2009 - 2010	Arun .S Kumar	English	High Jump	Gold
	Kezia Varghese	Sociology	Cycling	Gold
	Deepa Chandran	Physics	Cycling	Gold
	Vinaya Vijayan	Geology	Time Trial Cycling	Gold
	Nandu Vijayan	Economics	1 Km. Massed Start	Bronze
	Sarath M.	Economics	4 X 100m Medley Relay	Bronze
2010 - 2011	Vishnu V.	Economics	Cycling 1Km Massed Start	Gold
			Olympic Team Sprint	Bronze
	Karthikan P.K.	Psychology	4 X 100m Relay	Gold
			100M	Bronze
	Kezia Varghese	Sociology	1500M	Silver
			Olympic Team Sprint	Bronze

	Vinaya Vijayan	Geology	1500 m	Bronze			
			30 Km Road	Bronze			
	Shabi S.	Sociology	Olympic Team Sprint	Bronze			
	Nandu Vijayan	Economics	1 Km Massed Start	Bronze			
	Sarath M.	Economics	4 X 100 m Medley Relay	Bronze			
	Rajesh R.	Psychology	4 X 100 m Medley Relay	Bronze			
	Aravind	Botany	4 X 100 m Medley	Bronze			
	Renjith	Sociology	4 X 100 m Medley Relay	Bronze			
2011 – 2012	Aneesh Babu	Sociology	Water Polo	Silver			
	Nanda Gopan	Psychology	Water Polo	Silver			
	Renjith R.R	History	Water Polo	Silver			
	Nishanth P.	Sociology	Water Polo	Silver			
	Vijayakanth V.	Botany	Water Polo	Silver			
	Vishnu R.I.	Chemistry	Water Polo	Silver			
	Sreelal M.	Economics	Water Polo	Silver			
	Kezia Varghese	Sociology	Team Time Trial Cycling	Silver			
			Team Pursuit Cycling	Silver			
			Road Cycling	Gold Gold			
	Vinaya Vijayan	Geology	Team Time Trial Road Cycling	Gold			
			Team Sprint Road Cycling	Bronze			
			Team Sprint Road Cycling	Bronze			
			Team Pursuit Cycling	Gold			
			Team Time Trial Road Cycling	Gold			
	Krishnendu T Krishna	Sociology	National Road Cycling	Gold Silver Bronze			
				Anjitha T. P.	Sociology	Cycling	Bronze
						National Road Cycling	Silver Bronze
	Vinayak V.	History	National Road Cycling	Gold Gold			
				Vivek A. G.	Psychology	National Road Cycling	Gold Bronze Bronze

	Akhil S.	Economics	Athletics Decathlon	Silver
	Arun S. Kumar	English	Athletics High Jump	Gold
			Athletics	Silver
	Deepa Chandran	Physics	Team Time Trial Cycling	Gold
	Vishnu V	Economics	Sprint Cycling	Gold
2012 - 2013	Sreelal M.S.	Economics	Water Polo	Bronze
	Salu B.S.	Political Science	Water Polo	Gold
2013-2014	Salu B.S	Political Science	Water Polo	Gold
	Ragi I.V.	History	4 X 200m Free Style Relay	Bronze
	Adarsh R.	Political Science	4 X 200m Free Style Relay	Silver
	Abhijith A.J.	Sociology	Water Polo	Bronze
	Shibinlal S.S.	History	Water Polo	Bronze
	Saravyan R.	Economics	Water Polo	Bronze
	Arun V. Nair	History	Water Polo	Bronze
	Renjith M.	History	Water Polo	Bronze
	Ananda Gopal V.	Economics	Water Polo	Bronze
	Sujith S.V.	Sociology	Water Polo	Bronze

Table 5.15 Details about the Student Achievements during 2009 – 2014

ar	Name	Department	Event / Game	Place
2010 - 2011	Lincy C.H.	Commerce	Long Jump	Silver
			Tripple Jump	Silver
	Moideen C.P.	Commerce	Javeline Throw	Silver
	Sreeraj M.S.	Economics	Water Polo	Gold
	Vishnu R.	Political Science	400m	Silver
			Water Polo	Gold
	Anuraj R.U.	Sociology	4 x 200 Free Style Relay	Gold

			Swimming 100m Back Stroke	Silver
			Swimming 50m Back Stroke	Gold
			Water Polo	Gold
2011 - 2012	Vineetha B.	Commerce	Hockey	Silver
	Swathy P.	Commerce	Hockey	Silver
	Dineesha K.	Commerce	Hockey	Silver
	Moideen C.P.	Commerce	Javeline Throw	Gold
	Akhila S.R.	Commerce	Hockey	Silver
	Dhanya O.	Commerce	Hockey	Silver
2012 - 2013	Arun M.	Political Science	Swimming, 50m Breast Stroke	Bronze
			Swimming, 100m Breast Stroke	Bronze
			Swimming, 200m Breast Stroke	Bronze
			Water Polo	Gold
	Rakhee S.R.	Political Science	4 X 100m Medley Relay	Silver
			4 X 100m Free Style	Bronze
			4 X 200m Free Style	Silver
	Nandu S.S.	Political Science	Body Building	Champion
2013 - 2014	Rakhee S.R.	Political Science	4 X 100m Medley Relay	Silver
			4 X 100m Free Style	Bronze
			4 X 200m Free Style	Silver
	Nandu .S.S.	Political Science	Body Building	Champion

Table 5.16 International Individual Achievement during 2011 - 2012

Year	Name	Department	Event / Game	Place
2011 - 2012	Al Siraj	Physics	Asian Junior Water Polo	Silver

Table 5.17 Individual Junior National Achievements during 2011 – 2012

Year	Name	Department	Event / Game	Place
2011 - 2012	Lekhsmi K.	History	Water Polo	Gold
	Lekhsmi M.G.	Physics	Water Polo	Gold
	Nathasha Chako	English	Athletics Heptathalon	Gold

			Long Jump	Gold
	Sreelal M.S.	Economics	Water Polo	Silver

Table 5.18 Individual Junior Hockey Championship 2009 - 2014

Year	Name	Department	Event / Game	Place
2011 - 2012	Anusree S Nair	History	Hockey	Silver

Table 5.19 National Track Cycling Achievements during 2011 - 2012

Year	Name	Department	Event / Game	Place
2011 - 2012	Kezia Varghese	Sociology	Road Cycling	Gold
			Road Cycling	Bronze

Table 5.20 Details about the Individual 1Km Massed Start

Year	Name	Department	Event / Game	Place
2011 - 2012	Vishnu V.	Economics	Cycling	Bronze

5.3.2 Furnish the details of major student achievements in co-curricular, extracurricular and cultural activities at different levels: University / State / Zonal / National / International, etc. for the previous five years.

Table 5.21: Extra - Curricular and Co-Curricular Activities

Year of Participation	Event	No.of Students	Level of Participation
2009 - 2010	Quiz	3	Regional Level
	Essay	1	State Level
2010 - 2011	Aviation (Pilot)	1	All India Level
	Parliament (Student Council leaders)	1	National Level
	Quiz	3	Regional Level
	Eastern Percussion	1	State Level
	Folk Orchestra	1	National Level

	Folk Music	1	District Level
2011 - 2012	NCC - B Certificate Qualified	1	National Level
	NCC – Annual Training Camp	1	National Level
	Quiz	2	State Level
	Short Story	1	University Level
	Essay Writing	1	State Level
	Elocution	1	State Level
	Quiz	3	Regional Level
2012 - 2013	NCC	3	Zonal Level
	NSS	8	Zonal Level
	NCC (Trekking)	2	National
	NCC (Annual Training camp)	3	National
	Group Song	4	University Level
	Thiruvathira	5	University Level
	Recitation	2	University Level
	Quiz	2	University Level
	Elocution	1	University Level
2013 - 2014	Mime	7	State Level
	NSS	7	Zonal Level
	Rangoli	13	State Level
	NCC (Trekking)	1	National Level
	Quiz	2	State Level

The following students of the college have received recognition for their cultural and academic achievements:

- 1) Miss. Divya Chandran A. and Mr. Rajeev M.R., M.Sc. Chemistry (IV semester), were awarded the prestigious TATA CSIR-OSDD Scholarship (TCOS) by the CSIR-OSDD Research Unit of Indian Institute of Science, Bangalore for their M.Sc. Chemistry dissertation entitled *Optimization of Antimalarial Activity of 4-Aminoquinoline derivatives: QSAR, GUSAR, and CoMFA analyses* under the guidance of Dr. I.G. Shibi.
- 2) Shilpa Balagangadharan and Remya Ramesh of final BA Psychology and Praseetha Asokan of IV semester of BA Psychology won the second prize in *Manomedham*, a quiz competition organized by Karunasai at Psychopark, Vellanadu on 17-12-2011.
- 3) Jeevan Jayanth (I B.A Psychology) won the second position in Wind Instrument (Western) in Kerala University youth festival 2013.
- 4) In the Kerala University Yuvajanotsavam 2013, Akhil D.T of fourth semester Botany won the third prize for the poster making competition
- 5) Krishna RK, First Semester BA English, secured first place in Duet Song and Group Song Competitions in the Arts Festival at St

Thomas Training College, Thiruvananthapuram in September 2011..

- 6) Remya Ramesh of final BA Psychology got the cash award sponsored by Gurukulam, Chempazhanthi, in connection with Chathayam Day Celebration, for scoring the highest marks in Malayalam (2011).
- 7) A Quiz Competition called Geoquiz was conducted for Geology and Geography Students within the State of Kerala by the Department of Geology, University of Kerala. Varun.S of 2nd B.Sc. Geology and Adarsh.P of 3rd BSc Geology won the best performers award at the audience round.
- 8) Sreeram P. & Nithin N.L. of III B.Sc. Mathematics bagged the second prize in the quiz competition in statistics conducted by University College on 19-October-2013.
- 9) Aswathy.S of II B.Sc bagged the First Place in the Craft Fest organized by the College Union.
- 10) Mrs. Meenu Mohan, top scorer of BA Economics, 2013 was the first recipient of the newly instituted endowment award by Dr. K.C Baiju, Associate Professor of Economics, Central University, Kasargod in memory of his late mother.

5.3.3 How does the college seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional provisions?

The institution collects the feedback from stakeholders, especially graduates, annually. These feedbacks are assessed for their relative merit and every effort is taken for improving the quality of education. Suggestions of parents, alumni, former teachers and non-teaching staff are considered for the improvement of academic and extracurricular activities of the college. The college maintains a Visitor's Diary and the opinions of important visitors to the college are recorded for further improvement.

5.3.4 How does the college involve and encourage students to publish materials like catalogues, wall magazines, college magazine, and other material? List the publications / materials brought out by the students during the previous four academic sessions.

- ❖ Every year the College Union publishes a College Magazine in which the main contents are the writings of students. The teachers encourage the students to write reports, short stories, essays, caricature, poems etc.
- ❖ The college also encourages students to participate and present papers in regional, national and international seminars, conferences, symposia and the like.
- ❖ Media Club functioning in the college conducts Photo Exhibition every year in the college in which the students are the main organizers. They also release Instant News Magazine at the time of inaugural functions of important events in the college.

Table 5.22 Department wise students' publications

Item	Department	Title
Magazine	Sociology	<i>Srishti</i> (2013)
		<i>Sowhridam</i> (2012)
		<i>Toolika</i> (2011)
		<i>Neelambari</i> (2010)
Manuscript Magazine	Chemistry	<i>Golden Spangles</i>
	English	<i>Scripting Minds</i>
Wall Magazine	Economics	<i>The Face</i>
	Political Science	<i>Ulkazhcha</i>
	Psychology	<i>Manasmrity</i>
	Sociology	<i>Jyotirgamaya</i>
	Botany	<i>Ithallukal</i>
	Geology	<i>Samastam</i>
	Chemistry	<i>Snippet</i>

As part of Golden Jubilee celebrations, NSS unit introduced *Thoolika* Award 2014 for the best Manuscript Magazine of the year.

5.3.5 Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.

As per the University Statutes, affiliated colleges shall elect the College Students' Union every year, based on the recommendation of Lingdo Commission. The election to the College Union is conducted in presidential form. The elections are conducted as per the guidelines of the Supreme Court of India and the university guidelines. The offices of the College Union are :

- Chairman
- Vice-Chairman
- General Secretary
- Arts Club Secretary
- Magazine Editor
- University Union Councillors
- Lady Representatives
- Association Secretaries
- Degree and PG Representatives

5.3.6 Give details of various academic and administrative bodies that have student representatives on them, bodies;

- College Council
- Kerala University Union
- Curriculum Committee
- Advisory Body of National Service Scheme
- Golden Jubilee Committee
- Canteen Committee
- Mobile Inspection Squad
- Students' Grievance and Redressal Cell

5.3.7 How does the institution network and collaborate with the Alumni and the former faculty of the Institution.

- Every year department wise meetings of the former students and the former faculty of the college are held.
- CHESNA, the association of the alumni, meet with festivity on the second Saturday of February every year. The retired staff of the college is also invited on this day.
- The alumni association of the Department of Sociology, Sakshi, meets on 2, October every.
- Department of Psychology conducts its Alumni Day on 26th of January each year.
- On the fiftieth birthday of the college on 20 July 2014, the students and teachers of the first batch of the college (1964-66) organized a programme in the college, in which almost all the students and members of the faculty of the first batch participated. They also released a souvenir on this occasion.
- Several of the alumni and former faculty participated in the inaugural function of the Golden Jubilee by the Hon'ble Governor of Kerala, Justice P. Sathasivam. During the function the Members of the Kerala Legislative Assembly, Adv. M.A Vahid and Sri. V.Sivankutty, both alumni of the college, delivered the keynote address and the special address respectively.
- The Alumni of the college conducts, Professor Kilimanur Remakanthan (Former faculty of the college and a well known literary figure) Memorial Meetings, annually.
- The Retired Teachers Association functioning in the college is a platform for meeting the former teachers of the college. They have brought out a contact book which is updated regularly.
- The prominent alumni of the college include: Dr. M. Anirudhan, USA (first president of FOCANO), Smt. Manju Shahul Hamid (Mayor, Kroiden Corporation, London), Sri. M.M Hassan (MLA), Adv. M.A Vahid (MLA), Sri.V.Sivankutty (MLA), Smt. A. Arundhathi (Former MLA), Shri. Thalekkunnil Basheer (MLA & MP), Dr. K.P. Jai Kiran (Co-ordinator ASAP), Sri. Premkumar (Malayalam Cine fame), Shri. G.S Pradeep (TV, Cine fame), Shri. Raj Kalesh (TV, Cine fame), Shri. Ragesh Brahmanandan (Playback singer), etc.
- The prominent former faculty of the institution include Prof. T.C. Rajan (well-known Social Scientist), Prof. P.S Velayudhan (well-known Historian and former General Secretary, S.N Trusts), Prof. K. Velayudhan Nair (well-known academician), Prof. Kilimanur Remakanthan (well-known literary figure), Prof. S.K. Rajagopal (former Registrar, University of Kerala), Dr. R. Jayprakash (Member, Syndicate University of Kerala and Member, State Higher Education Council, Kerala), Dr. M. Jayprakash (Director of College Development Council), and Dr. M. Jeevan Lal (Member, Syndicate, University of Kerala)

Criterion VI

LEADERSHIP, GOVERNANCE AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 State the vision and mission of the institution and enumerate on how the mission statement defines the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution's traditions and value Orientations, vision for the future etc.?

Vision

Sree Narayana College, Chempazhanthi envisions an egalitarian India, for the accomplishment of which the institution educates generations of youth in order to transform them to intellectually stimulated, emotionally strong and socially oriented individuals — truly global citizens of India. Our vision of education is embodied in our Patron-Saint, Sree Narayana Guru's concept, 'Emancipation through Education' only by which the ideal world of 'One Caste, One Religion and One God for the Human Kind' can be achieved.

Mission

Our mission is to deliver balanced transformative education to all students irrespective of caste, creed or gender. The aim is to foster a knowledge-based society and to ensure a gateway to socio-cultural and economic development of the individual and society. We strive to build skills and competence which equip the students to march towards modernity along the time-tested traditional pathways of morals and values. With our deep learning methodologies we create a generation that involves itself in nation building activities and sufficiently empowers itself to live with dignity and self-respect in harmony with fellow beings and the environment.

Elucidation of our vision and mission

The fulfilment of the vision is possible only by means of an all inclusive education system which aims at the uplift of the unprivileged and the enlightenment of the privileged about the oneness of humanity with the strength of which they liberate themselves from the cruel clutches of inhuman customs and practices. Therefore, the policy and plans of education formulated by the Sree Narayana Trusts, the top management, contain our goals and strategies which cater to the educational needs of all sections, while

functioning as per the rules and norms of the government, UGC and the university.

Our institution fosters the spirit of enquiry and encourages critical thinking, and aims to mould a society with realistic perspective and rational mind, and capable of leading the nation to the forefront of the world.

6.1.2 What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?

Our Founder Manager, Sri R Sankar, the former Chief Minister of Kerala, who was a visionary educationist, handed over the sublime mission to the posterity, and the present management and the college maintain it with brighter lustre. Sree Narayana Trusts, the management, through its numerous institutions under it has been channelising the educational activities compatible to the goal, 'Emancipation through Education' by means of a well-formulated and accommodative action plan which is implemented by the Principal through the College Council, IQAC, the Academic Committee, Research Committee, the PTA, the Tutorial System, the Departments, the faculty, the Students' Union, students' forums and clubs, NCC, NSS, etc.

The Secretary of Sree Narayana Trusts is the Manager of the institutions under the Trusts. The Trusts' Executive Committee consists of 17 members who represent different walks of life and professions viz advocates, doctors, engineers, professors, businessmen, NRI and so on. This competent body meets periodically to discuss and decide on various matters pertaining to the 16 aided and 13 unaided colleges under the Trusts. The Trusts' headquarters is at Kollam.

The Manager convenes Principals' meetings regularly to discuss matters related to the functioning of the colleges. He gives instructions and suggestions about the measures to be adopted for the implementation of their quality policy and plans. The Principal constitutes the College Council comprising all HODs, two elected members from the faculty and the Office Superintendent. The students' representative, an office bearer of the elected College Union is invited to the Council, as and when needed. The Academic Committee formed by the College Council, jointly with the IQAC frames an Academic Calendar in which activities are streamlined according to the quality policy. The Committee's suggestions and recommendations are implemented meticulously by the HODs, class tutors, teachers-in-charge of forums and clubs, the NCC officer, the NSS programme officers, the PTA secretary, other members of the faculty and the office staff.

Through the Principal, the management monitors the academic process of the institution. The management draws periodic reports about the functioning of the institution and its office bearers visit the institution periodically.

The Principal, in consultation with the College Council and IQAC, prepares plans for curricular and co-curricular activities which include academic activities and other programmes like campus-community linkage programmes, social service activities and real-life-experience programmes.

The teachers-in-charge of forums/clubs and bodies, who are to implement these plans, are instructed according to the quality policy and plans.

The Academic Committee and the IQAC, along with the Principal, delineate academic activities of each department, programme and class, keeping in view the diverse degrees of comprehension of the students. The Tutorial System and the teachers classify the students on the basis of their performance and level of comprehension. The College Level Monitoring Committee (CLMC) constitutes Department Level Monitoring Committees (DLMC) to assess and report the activities of the departments. Feedback from the faculty regarding implementation of policies and plans is a yardstick for the Principal and Academic Committee, and the IQAC to appraise and modify the policies and plans.

6.1.3 What is the involvement of the leadership in ensuring:

- **The policy statements and actions plans for the fulfilment of the stated mission**
- **Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan**
- **Interaction with stakeholders**
- **Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders**
- **Reinforcing the culture of excellence**
- **Champion organizational change.**

In compliance with the vision of the management, the college absorbs the meritorious from all sections of the society at all levels. The educational process is suitably planned to empower the backward and to strengthen them ethically and morally. Suitable action plans are formed, giving due consideration to the situational realities of the college. According to the guidelines of the management, the College Council, Academic Committee and the IQAC frame plans and programmes which are executed by the departments and other bodies for curricular and co-curricular activities. The college interacts with the stakeholders through a multi channel system. The interaction with the management is mainly via the Principals' Conference periodically convened by the Manager. The Principal interacts with the UGC, Department of Higher Education and the Collegiate Education Directorate and Deputy Directorate. We utilise personal meeting, postal, telephone and e-mail facilities for such communication. The Regional Development Council (RDC), the local management and its convener make frequent visits and ensure the smooth functioning of the college.

1. The Principal is in constant contact with the management appraising it of the manner of implementation of the policies, to which the management willingly extends support and gives instructions of changes, if needed.
2. The College Council formulates strategies of implementation of the plans for each year, at the beginning of the programme and they are

documented in the Annual Academic Calendar which is in tune with the University Academic Calendar.

3. The College Council forms the Academic Committee and the IQAC. The Council after sufficient deliberations accepts the recommendations of the Academic Committee regarding the action-plan. The IQAC ensures the effective implementation of the plan. The College Council finalises various lower curricular and co-curricular bodies and committees as proposed by the Academic Committee.
4. The IQAC and the Academic Committee propose the following for the implementation of the plan contents to the College Council and get the proposals approved:
 - a. General Time-Table
 - b. A general plan for curricular and co-curricular activities for departments and clubs
 - c. Handbook/ Academic Calendar which includes the academic programmes offered by the college, syllabi and scheme of examinations, details regarding fee structure and concessions, quality enhancing mechanisms, research consultancy and extension, curricular aspects, endowments and scholarships, learning resources, student support and progression facilities, etc.
 - d. Monitoring and review, and suggesting solutions to overcome difficulties in learning process
 - e. Periodic meetings to coordinate and review implementation of the plans
5. The College Council, Academic Committee, IQAC and the Teachers' Association meet regularly for open interaction with the Principal, who intimates them of the matters received from the Manager, UGC, Government Departments and other agencies. The Public Addressing System and notices also serve the purpose. The interaction between the students and the Principal happens in the College Union meeting, organizational meetings with the Principal, and the Principal's initiative for individual students or groups. The Tutorial System is the best method utilized by the students and faculty for exchange of ideas and giving instructions and intimations to the students.
6. The general PTA meeting and class PTA meetings effectively ensure the interaction among the Principal, faculty and the parents.
7. The stakeholders provide their opinions and suggestions based on the requirements of students and other beneficiaries, and the staff. The leadership willingly modifies the policies and plans if such modification is required. Thus the leadership of the college maintains the excellence of the institution's functioning. Since the requirements and their fulfilment are transitory, the plans also have to be modified. As part of the modification, organizational changes also happen, thanks to the realistic flexible nature of the organization.

6.1.4 Procedures to monitor and evaluate policies and plans of the institution

- a. The college has a systematic procedure to monitor and evaluate the policies and plans of the institution. The responsibility of implementation of plans and its assessment are delegated to various committees and individuals who are answerable to the Principal and the College Council.
- b. The Principals' Conference regularly evaluates the implementation of policies and plans. The periodic institutional reports and intimations by off-campus stakeholders like the RDC and PTA inform the management of all aspects of the institution's functioning. The supervisory bodies constantly monitor all activities and spokes in the wheel are detected on time, and they take immediate remedial measures. Therefore the implementation of policies and plans go on smoothly and further strategies are planned so flexibly as to effect changes and additions or deletions.
- c. The IQAC and the Academic Committee regularly assess the teaching plans and work diaries prepared by the teachers and suggest changes, if needed. They recommend time-table for compensatory classes, when required. The bodies evaluate students' academic progress by analyzing results of internal assessment and semester examinations, and instruct teachers about methods of improvement and changes needed in their mode of teaching. Students are personally counselled in smart learning methods. Slow-learners are given special attention and expert help is sought, if needed. The IQAC mobilizes internal potentials of the faculty and the students to enrich the quality of curriculum transaction. It gives proper guidance and support for framing plans and programmes, and their implementation. Continuous Assessment is done by the IQAC, for ensuring that all curricular, co curricular and extracurricular activities are properly streamlined and scientifically documented, and the desired results are obtained. The IQAC trains teachers and non teaching staff, and checks if departments properly maintain files and documents. The IQAC prepares and submits to NAAC the Annual Quality Assurance Report.
- d. The Heads of Departments are responsible for the department level work allotment, departmental administration, implementation of the decisions of the College Council in the departments, constant monitoring and assessment of teachers and students' performance and convening periodic departmental meeting of teachers and students. They ensure that the teachers prepare proper teaching plans and write work diary. They assign the duty of tutorship to teachers.
- e. The Faculty Advisor, a senior member of the faculty, suggested by the Academic Committee and appointed by the Principal, enlightens the students about all the programmes, and advises them on their choice of course, additional language, elective and open courses, and the club of their taste, considering their calibre at the entry point.

- f. The faculty performs the actual curriculum transaction. Their responsibility is not confined to class room teaching but it also involves interactions with students, identifying their potentials and transforming them to better individuals and scholars. Our teachers constantly update their knowledge and refresh their skills by participating in training programmes periodically. Constant interaction with the community equips them in offering better guidance to the students. Tutorship helps them in the evaluation and assessment of the student community. Our teachers are encouraged to develop new instructional designs particularly suited for the students. They provide supplementary course material, and supporting information and the information sources. Remedial teaching methods are used when required.
- g. The Tutorial System is a platform for the students to open their minds freely to respond to the campus and social situations. They get an opportunity to inform the authorities and to get any discrepancy or grievance related to the summative and formative assessment rectified. The complaints which are not redressed in DLMC can be raised at the CLMC. Students' Grievance Cell and Anti-Ragging Cell function in the college to ensure safety, self-respect and dignity of every student as well as the general student community. A complaint and suggestion box is kept at the Principal's office for the students to intimate the authorities their complaints and suggestions. They have direct access to the Principal, HODs and tutors. The Tutorial Committee analyses the tutorial functions of each class separately and necessary instructions and suggestions are given to the tutors.
- h. The success and failures in the teaching methods adopted are evaluated regularly at the end of every semester. Such gleaning helps constant improvement in the quality of teaching.

6.1.5 Give details of the academic leadership provided to the faculty by the top management

The top management is very much concerned with academic improvement and skill development of the faculty for which it extends all possible support.

- 1. Issues No Objection Certificate in time for enjoying FDP benefits to the faculty and encourages teachers to explore every avenue for faculty development opportunity
- 2. Motivates the faculty to attend off-campus academic programmes and grants permission to go off-duty for the same
- 3. Sanctions timely leave for attending Orientation, Refresher and other short term courses
- 4. Effects timely promotions as per the rules
- 5. Provides technical and financial support for upgradation of facilities and infrastructure
- 6. Provides Faculty Certificate for research guideship

6.1.6 What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?

The college functions according to a well designed pattern in which every constituent is integrated. The plan is formulated with the idea that every member of the college community takes up a responsibility of accomplishing a task in collective endeavours so that they are groomed for smooth collective activity and for taking up leadership. The following venues are open to students and faculty:

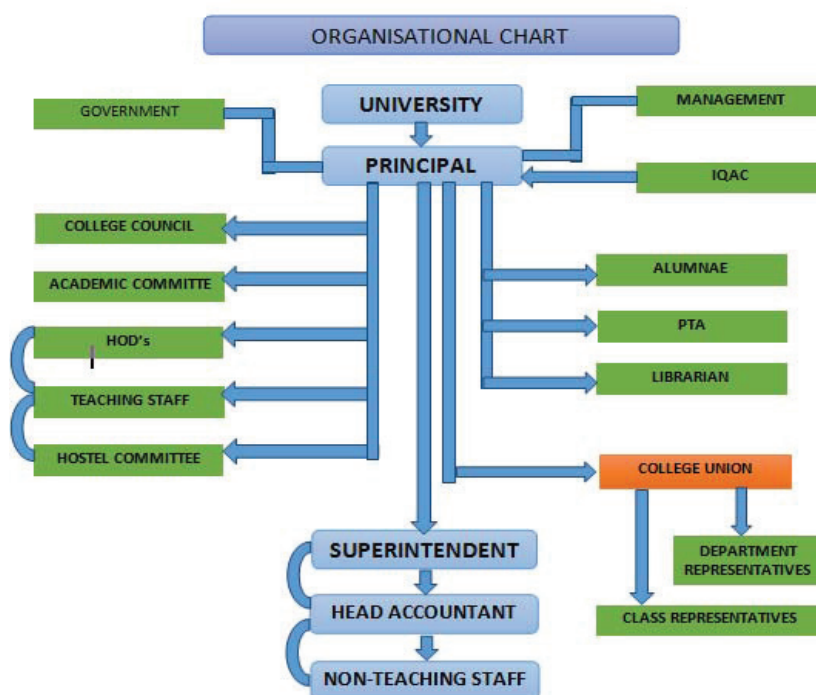
1. **Tutorial system:** Tutorial System provides teachers to be in intimate contact with individual students and to be well aware of all aspects of their life and personality. This helps them to guide the student properly and to develop problem-solving and decision-making skills which are essential for good leadership. Such qualities enable them to influence decisions of the higher authorities for the benefit of their wards. Each tutorial group has a student leader who also gets practical training to be a good leader, observing and following the methods adopted by the tutor. By giving freedom to the students to conduct programmes the college empowers them with confidence and leadership quality.
2. **Training Programmes:** The college encourages teachers to attend leadership training programmes such as Direct Trainer Skills programme by IMG, FLAIR, etc. NSS Programme Officers and NCC Officers of our college are given proper leadership training by the respective authorities. The Orientation and Refresher courses conducted by the Academic Staff Colleges also foster leadership qualities in the faculty.
3. **Organisational Freedom:** The freedom given to teachers for association activities in the campus has produced high quality leadership among the faculty, by virtue of which our college has topped in the number of representations in the apex decision making bodies of the university.
4. **HOD:** The effective functioning of a department depends on the efficiency of the Head of the Department. The Principal, IQAC and the top management take interest in grooming leadership qualities in all teachers by various training programmes and by entrusting responsibilities in curricular, co-curricular and extension activities. As a result the senior teacher of each department is well experienced to discharge his/her responsibilities as the Head of the Department. All the departments of our college are therefore functioning effectively under the leadership of accomplished HODs.
5. **Faculty:** All members of the faculty are conveners, co-conveners or members of the executive committees of the curricular and co-curricular bodies functioning in the college. They manifest their

leadership qualities in organising academic, co-curricular and extension programmes, and celebrations in the college as well as in tutorial leadership and class room teaching.

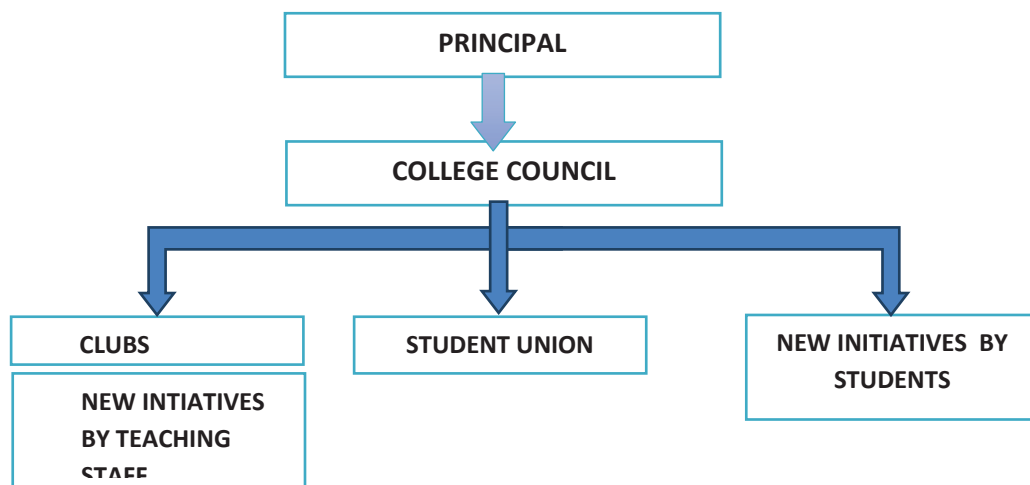
6. **Students as leaders:** Students are encouraged to emerge as leaders and their active participation is ensured in the implementation of the policy and plans. A Students' Union, elected annually, functions in the college for the overall welfare of the student community. The Union, working democratically, provides opportunity to all students to shed their inhibitions, develop their leadership qualities, and exhibit their literary, artistic and athletic capabilities. The Union provides venues for presenting the literary, artistic, intellectual and polemic potentials of the students by bringing out the annual College Magazine. The College Council involves students' representatives in decision making and formulation of plans, and designing strategies and schemes of implementation. The clubs, forums and other bodies constituted for co-curricular activities have student conveners and student members. All activities of the club are planned and executed by the students after detailed realistic deliberations on the strategies and outcome. NSS and NCC offer opportunities for students by giving them direct training in discipline, community life, collective activity, social orientation and patriotism.

6.1.7 How does the college delegate authority and provide operational autonomy to the departments/units of the institution and work towards decentralized governance system.

Text Fig.6.1: Academic decentralization -1

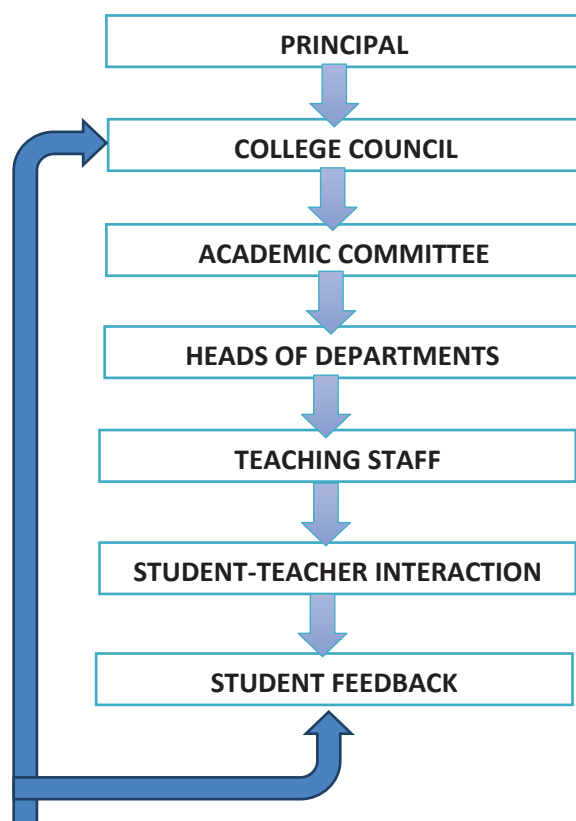


Text Fig.6.2: Academic decentralization -2



Text Fig.6.3: Academic decentralization -3

Co – curricular decentralization



**6.1.8 Does the college promote a culture of participative management?
If ‘yes’, indicate the levels of participative management?**

The college promotes a culture of participatory management. All academic activities are carried on under a system which comprises the representation from all sections of stakeholders viz. management, Principal, faculty, administrative office, students, parents, government, UGC and university. The participation of the government, UGC and university is by providing rules and norms, financial assistance, curricular contents, transactional methods, assessment system and support activities. The College Council ensures the participation of all the members of the staff, directly or indirectly in the management of the institution.

6.2 Strategy Development And Deployment

6.2.1 Does the institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?

Excellent education is a constant and comprehensive process of updating every aspect of life, thought and convictions, standing fast on human values in order to mould and lead the future, without excluding any section of humanity from the process. This vision encompasses the quality policy which was developed by the great visionaries of the management at the establishment of educational institutions of the Trusts in 1947. This vision is in line with our Patron-Saint Sree Narayana Guru’s concept of education as the right means of liberation of humanity from slavery and other inhuman practices, customs and traditions. The policy statement manifests the ultimate objective of the institution to materialize the ideal of ‘Oneness of Humanity’ and to keep life a progressive continuum to excellence. Our social, cultural and educational vision has been widely accepted by the whole state, which has enabled our institution to bring out generations of youth equipped with an egalitarian outlook, progressive attitude, pride of national identity, multifarious competence, wisdom, intelligence and courage.

In the deployment of the strategy, the institution transacts quality in:

- Planned teaching
- Transparent evaluation
- Regular review
- Remedial measures
- Socio-cultural transformation
- Character building and personality development
- Infrastructure development
- Familiarizing the emerging trends
- Timely information, regarding employment opportunities

The implementation of plans is constantly monitored at several levels by the stakeholders. Apart from the review by the management, the faculty, students and parents also conduct reviews and furnish feedback. The College Council, the Academic Committee and the IQAC after realistic deliberations on the feedback, effect necessary changes in the strategy.

6.2.2 Does the institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.

The institution has always had a perspective plan for development which is dynamic and flexible so as to accommodate or abandon aspects and elements on the basis of need or redundancy.

Table 6.1 Perspective Mid-term Plan 2005-2015

Proposed Plan	Goals Achieved
Uninterrupted safe drinking water supply	Installation of two borewells, new pipe lines, over-head tanks, water filters, water coolers
Improving toilet facilities	New toilet for ladies and gents
New Building	Womens' hostel
Uninterrupted power supply	Power Generator installed
ICT enabled class rooms	ICT enabled class rooms in all departments
Modernising laboratory facilities	Sophisticated modern equipments installed in the Department of Chemistry under FIST programme. Modern equipments installed in the Departments of Geology and Physics
Improving research ambience	Departments of History and Chemistry upgraded to Research Centres of University of Kerala
New courses	M.A English
Improving Psycho-social and physical fitness	Yoga classes
Consultancy extension and collaboration, and society linked programmes	HLL Lifecare, Government of India, KIMS Hospital, Trivandrum, United Healthcare (UK)

Table 6.2 Prospective Long-term Goals 2005-2030

Proposed Plan	Goals Achieved
New courses/upgradation of existing departments	MA in English
Interdisciplinary research possibilities	Initiated interdisciplinary studies
New Research Block	Discussions in progress
Smart classrooms for all the students	Achieved at PG level
Living Learning opportunities	NSS and club activities
International/National students exchange possibilities	To be achieved
Creating eco-campus	Started Star Tree Grove project, Green Survey, Documentation of campus biodiversity

Scholarship program at college level	Instituted several endowments
Campus TV/radio	TV in the library
State-of-the-art health club	Achieved
International Cultural Centre aimed at promoting the philosophy of Sree Narayana Guru	Connection with Sree Narayana International Study Centre adjacent to the college
In-house entrepreneurship assistance Program	Training in Mushroom Cultivation and Marketing, Ornament Making, Production of Paper bags
Indoor Stadium and Swimming Pool	To be achieved
Men's Hostel / International Guest House	To be achieved
Agro Farm to promote organic farming	Organic vegetable garden

6.2.3 Describe the internal organizational structure and decision making process.

In the internal organizational structure of the institution, Principal is the supreme authority, under whom there are various Departments, the College Council, the College Administrative Office and the PTA. Each Department has a Head who is the senior most member of the faculty. Under the HOD there are other members of the faculty comprising Associate Professors, Assistant Professors and guest faculty. Other than teaching in the classes, the members of the faculty act as tutors of tutorial groups of students. Every year the Principal constitutes a College Council comprising all HODs, two elected members of faculty and the Office Superintendent. A representative of Students' Union is invited to the Council as and when the need arises. The Council constitutes the IQAC and the Academic Committee of the college. Under the IQAC various cells, centres and clubs function with the objective of quality enhancement. The curricular committees comprise conveners and members from the faculty. The clubs and forums have Teacher Conveners, Teacher Executive members, Student Conveners, Student Executive members and Student Members.

6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following

- **Teaching & Learning**
- **Research & Development**
- **Community Engagement**
- **Human Resource Management**
- **Industry Interaction**

- **Teaching & Learning:** The college is very particular that the members of the faculty must participate in in-campus/off-campus training programmes,

especially those intended for familiarising emerging areas and techniques. We procure modern technological innovations for quality improvement of teaching learning process (ICT enabled class rooms and library, and laboratories with state-of-the-art equipment). The college procures latest books and other publications on emerging areas and techniques, and the new arrivals are displayed for the information of the stakeholders. We locate and invite experts in various fields of scholarship for interaction with students, for conducting and participating in academic, skill-development and co-curricular programmes. We annually conduct a serial multidisciplinary seminar, 'Spectrum' which covers all disciplines and frontier areas.

We regularly conduct field trips, visits to R & D centres, industries, eco-centres, centres of learning, pilgrim centres, tourism centres, birth places of great personalities, philanthropic centres and hospitals where students get hands-on experience in advanced technological trends and different life-situations.

Our faculty members act as resource persons for scholastic programmes, and participate in Refresher, Orientation and training programmes to enhance their skill and knowledge, to prepare budgetary proposals for the departments, library and labs, to initiate discussions for the procurement of the state-of-the-art facilities, and to prepare students not only for examinations but also for bringing out their creative, artistic, athletic and social service potentials. The college provides enough opportunities to students for the publication of their scholastic and literary creations through the annual College Magazine, Manuscript Magazines, Wall Magazines and Bulletin Boards.

- **Research & Development:** The college always motivates our faculty to take up research activities, attend seminars, workshops, discussions, etc in their respective and related disciplines. They are encouraged to be resource persons and presenters of research papers in regional/national/international programmes. The college extends all possible support to them for research and creative publications. The college brings out a biannual interdisciplinary research journal, *Logos* and an annual research journal, *Historia*.

We have established alliance with several reputed research labs and industry for the completion of student projects at PG level so that the students get direct experience of advanced research areas and facilities which attract them to research and enable them to choose their topics judiciously. We open adequate opportunities for the students to participate and present in scholastic programmes held in the campus and reputed external institutions. We provide every possible opportunity to the students for direct interaction with reputed scholars and professionals of all disciplines. The project work, which is the part of the UG curriculum is utilised not only to acquaint the students with research methodology but also to motivate them to do research and to be innovative in intellectual activity.

- **Community Engagement:** The college encourages the faculty and students to design teaching and learning process for the benefit of the community also. For the community extension and social service

activities, the college has constituted a number of students' clubs, each with a specific area of operation. Departments themselves take up several community engagement programmes. The clubs, departments, NSS and NCC of the college conduct several surveys on different topics, deliberate them in detail and chart out an action plan for each community engagement programme.

- **Human Resource Management:** The appointment of staff is done by the management on the basis of merit, and strictly following the government rules. The appointed non-teaching staff is given regular training by the management and IQAC in office administration and functioning, such as correspondence and communication, accounting and book keeping, maintaining records, documents and papers, and so on. The IQAC also gives training on ICT enabled ministerial operations.

The library of the college functions under the supervision of the Library Committee. The Librarian is fully responsible for all the services that the library provides. The Librarian and the library staff are trained so as to ensure quality library service and that the beneficiaries and the personnel maintain the library ethics unfailingly.

The teaching staff of the college is impelled to attend Orientation, Refresher and Short Term Courses conducted by various Academic Staff Colleges and various agencies. The IQAC arranges training sessions for teachers to enhance their efficiency at work. The IQAC also ensures the maintenance of quality parameters in curriculum transaction, and research and development. Every teacher is a member or a convener of one or the other curricular and co-curricular committees whereby their leadership quality is enhanced. This adds to their API scores.

- **Industry Interaction:** The faculty, especially those of the research centres in the college and research guides interact with industry, research centres and institutions regularly. This close contact with the industry makes it easy for the college to get great scholastic support from such organisations. PG students of our college are sent to industries for the completion of their project work. The direct benefit of such visits is the update of the students' technological competence and the realistic knowledge about the successful technological applications that lead the industries to prominence.

6.2.5 How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc) is available for the top management and the stakeholders, to review the activities of the institution?

The Principal apprises the top management on all matters pertaining to the functioning of the college through periodic reports submitted to the management personally and at the Principals' Conference convened by the management. The representatives of the local management visit the college and they also apprise the management on matters related to the estate, buildings and infrastructural facilities. Parents can have direct access to the management as well. The responses of the students and faculty on the decisions and implementations of the college are submitted to the Principal and matters which require immediate interference are conveyed to the

management. Staff meetings and PTA meetings are convened by the Principal for informing them about the plans and functioning of the college and opinions of others. Notice boards, class notices and fixtures on the notice board are sources of information to students.

6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?

The management is committed to ensure that the staff of the college effectively and efficiently involves in the institutional processes for which the management motivates and supports the staff to attend Orientation and Refresher Courses, short term training programmes, workshops and seminars, etc. The management readily permits to teachers to take up minor and major projects, research work and issues No Objection Certificates for research work and FDP assignments; relieves them, in time, of their duty in the institution for completion of authorized research programmes; and grants leave to them for attending courses and programmes. The administrative staff is also encouraged to undergo training for the betterment of their service.

6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions

The Management Council made the following resolutions regarding this institution at its annual meeting last year.

Table 6.3 Resolutions made by the Management Council and Progress Achieved

Sl. No.	Resolutions	Implementation Status
1	To elevate all UG departments to PG departments and to start new UG courses	Started MA English. University approval for MA Sociology and BA Malayalam obtained.
2	Accepted NAAC suggestion to work towards autonomy	Started an autonomous institution in the campus
3	Maintenance and renovation of infrastructure facility	Work in progress

6.2.8 Does the affiliating university make a provision for according the status of autonomy to an affiliated institution? If 'yes', what are the efforts made by the institution in obtaining autonomy?

Yes. The affiliating university has a provision for according the status of autonomy to any affiliated institutions with stipulated qualifications. Our college has not applied for autonomy since ours is under a corporate management.

6.2.9 How does the Institution ensure that grievances/complaints are promptly attended to and resolved effectively? Is there a mechanism to analyse the nature of grievances for promoting better stakeholder relationship?

The college has a well-structured grievance redressal mechanism. The Grievance Redressal Cell of the college, with a convener and members from the faculty, functions remarkably well. Any student can register complaints regarding any aspect of the college life at the Cell. A complaint box is kept at the Principal's office and the general library, for the students to drop their grievances. The students can approach their respective tutors, HODs or the Principal to register their grievance. The Women Empowerment Cell is the exclusive venue for female students to approach for the redressal of their grievances. All grievances and complaints are carefully enquired into and solutions to issues are made in time. If the enquiry reveals the necessity for counselling for corrective measures, the respective bodies for the same are deployed. The college is very particular to see that issues are solved amicably so that no remorse and resentment hurt the young minds any further.

6.2.10 During the last four years, had there been any instance of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?

The institution has not initiated any court proceedings nor has it been sued against during the last four years. But we have stood for justice and fair treatment in all disputes at various grievance redressal forums as well as in court.

6.2.11 Does the Institution have a mechanism for analyzing student feedback on institutional performance? If 'yes', what was the outcome and response of the institution to such an effort?

Yes, we have an efficiently functioning Tutorial System which helps collect and analyze students' feedback. Through the Tutorial System the college collects feedback from students on all aspects of institutional performances ranging from the curricular structure to the final assessment. The class-wise and general PTA, the alumni associations (department wise, year wise and general) are also sources of students' feedback. The College Students' Union and students' organization also convey their responses to the college authority. The activities of the Grievance Redressal Cell and the Women Empowerment Cell also collect students' feedback on various aspects. The feed-back thus collected is discussed in detail in the College Council, Academic Committee and the IQAC, and the required corrective measures are taken. Several steps have been taken accordingly: more transport facilities, better toilet facilities, rest room for girl students and so on.

6.3 Faculty Empowerment Strategies

6.3.1 What are the efforts made by the institution to enhance the professional development of its teaching and non teaching staff?

1. The non-teaching staff is sent for technology upgradation and Office System Workshops conducted by Directorate of Collegiate Education.
2. Teaching staff is sent for Orientation programmes, Refresher courses, seminars, etc conducted by other institutions and workshops of academic nature.
3. Encourages faculty to visit premier institutions in the country and learn innovative practices there.
4. A training programme led by Dr S.V Sudheer, Director, UGC-ASC, University of Kerala was held on 19-09-2014. The non-teaching staff were given training in their role in the IQAC functioning by Sri S.Vijayakumar, Section Officer, Finance Wing, University of Kerala on 23-10-2014.
5. Teachers are sent for training under the student support programme such as Walk With a Scholar, Additional Skill Aquisition Programme, Fostering Linkages in Academic Innovations and Research, etc.

6.3.2 What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?

The policy of the institution is constant update of its facilities and human resources. The institution is very particular that our teachers attend Orientation and Refresher courses, skill development programmes, administrative training, leadership quality and enhancement programmes, workshops on emerging areas and innovative techniques, life-skill development programmes and so on. To update and refurbish skill and knowledge, the staff attends training programmes.

The Research Cell identifies opportunities and institutions for research in emerging areas and motivates teachers to take up such research work, and major and minor research projects. The institution trains its faculty to develop their IT skills and enable them to use multimedia to develop research and teaching skills.

6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.

We maintain an effective performance appraisal system of the staff which furnishes information about the performance of each member of the staff from various sources.

- a. Self Appraisal Report help in identifying the strength and weakness of the respective teacher.
- b. Students' feedback, in which each student comments on every teacher's performance, is an indicator of the quality level of the teacher.

- c. The IQAC analyses the performance of each teacher and appreciates their strength and suggests means to overcome their weakness.
- d. The HOD monitors the progression of teaching process and involvement in co-curricular activities of every member of the department and submits a report to the Principal.
- e. The Principal assesses all the data sourced from the above in his discussion with the IQAC and the College Council. This assessment takes into consideration, academic activities along with co-curricular and extra-curricular activities, community extension programmes as well as off-campus achievements.

6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?

The performance appraisal reports received from students, parents, teachers and HODs are analysed by the IQAC and their consolidated report is submitted to the Principal. The Principal reports to the top management all measures taken for the quality improvement of the staff and the appreciation accorded to them. After reviewing the reports, the management suggested the following innovative programmes which the college has promptly executed:

MargDarshan(Path Finder): A programme conducted by the top management at the end of an academic year to get feedback from teachers on academic, general discipline and infrastructural issues. This helps the management to initiate modifications for the next academic year.

Mentoring : An Orientation programme, for faculty at entry level (optional for senior faculty also), conducted by the Principal twice a year for enlightening them about the duties of a teacher to the institution, students and the society; moral principles to be adhered to; service rules and code of conduct; curricular peculiarities; the necessity of their involvement in research and development and class management.

Thanal (Offering Shelter): A community support programme to help the needy in the neighbourhood.

Clean Campus: A monthly departmental cleaning programme by the students to motivate them in keeping the campus clean.

Living Well: A programme to promote better health and keep a vigil against the use of alcohol and drugs amongst students, with the help of student volunteers.

6.3.5 What are the welfare schemes available for the teaching and non-teaching staff? What percentage of the staff has availed the benefit of such schemes in the last four years?

The college permits the staff associations to run mutual benefit schemes so that individual members can avail financial benefit from the scheme in case of emergency. 83% of the members of our staff have availed the benefit of the

scheme. Annual medical camps for checking the physical fitness of the staff are conducted. The college makes arrangements with banks to provide various loans to the staff on easy terms. The children of the non-teaching staff, who have emerged toppers at school level are given scholarships and cash awards. The last grade employees of the college are given onam kits (all necessary edibles for onam feast). The college extends financial assistance to the staff during exigencies.

6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?

The college ensures a teacher-friendly environment so that the faculty enjoys a high degree of job satisfaction. The management's policy to place the staff conveniently also retains the faculty in the institution. The cordial relation among the staff, the familial attachment between teachers and students, work-freedom, encouragement and benevolence of the management, unrestricted opportunity for faculty and skill development, recognition and appreciation of service and contributions, timely procurement of rights and privileges and above all the sanctity of the location being the birth place of Sree Narayana Guru, are the factors that compel eminent faculty to remain here than to look for fresh fields and green pastures.

6.4 Financial Management and Resource Mobilization

6.4.1 What is the institutional mechanism to monitor effective and efficient use of available financial resources?

Monitoring of financial resources is done at various levels:

- A G Audit
- D C Audit
- Management Audit
- C A Audit

Efficient monitoring is done by the Planning Board and the Purchase Committee.

6.4.2 What are the institutional mechanisms for internal and external audit? When was the last audit done and what were the major audit objections? Provide details on compliance.

Internal audit is done under the leadership of the Head Accountant and External audit is done annually by the various bodies mentioned in 6.4.1. The objection raised at the last audit was regarding the PD Account in the Students' Union Bill submission statement. The objection has been cleared.

6.4.3 What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any.

Major sources of funding are UGC, PD Account, Management and PTA.

Table 6.4 Details of Income and Expenditure in the Last Four Years

6.4.4 Give details on the efforts made by the Institution in securing additional funding and the utilization of the same.

We received an additional fund from UGC XI Plan and the grant is currently being utilized.

Table 6.5 Details of UGC XI Plan Additional Assistance Received

Allocated amount- ₹ 5000000			Released- ₹ 4500000	
Sl No.	Item	No.	Date	Amount(₹)
1	Digital Copier	1	01-03-2012	43161
2	Digital Duplicator	1	15-02-2012	142298
3	Stabilizer and Stand	1	01-03-2012	10000
4	Refrigerator	2	29-03-2012	27100
5	Computer and accessories	6	30-03-2012	285500
6	Document scanner and accessories	1	29-03-2012	13515
7	Promethean Interactive boards	1	15-02-2012	57936
8	Ceiling Mount work for LCD projector output	1	23-03-2012	7500
9	LCD projector Sony VPL	1	28-03-2012	34351
10	Ceiling Mount work for LCD projector output	1	28-03-2012	30000
11	Ceiling Mount work for LCD projector output	1	28-03-12	7500
12	Ceiling Mount work for LCD projector output	1	14-03-2012	12150
13	LCD Projector Sony VPL	1	23-03-2012	137403
14	LCD Projector Sony Ex	1	14-03-2012	36693
15	Projector screen Map	1	23-03-2012	5000
16	Projector screen Map	1	28-03-2012	2500
17	Podium Crescendo Presentation	1	28-03-2012	36000
18	Electrical equipments	1	07-09-2011	359214
19	Public System and address system	1	26-09-2012	216754
20	Public System and address system	1	26-09-2012	79660
21	Installation Charge	1	26-09-2012	62800
22	II VHF Lapel Studio Master	1	29-09-2012	1890
23	Xerox Paper	1	29-09-2011	289
24	Desktop i3	22	28-08-2014	1071157
	Desktop i7	3		

25	Digital Copier with Printer	1	17-10-2014	80247
26	Multimedia Projector and accessories	3	31-10-2014	103728
27	Sony Digital cam	1	04-11-2014	68980
	Sony handy cam	1		
28	V-Guard UPS	1	20-11-2014	114277
	M S Office 2013	5		
	Kaspersky Antivirus	5		
29	H P Laser Jet printer	17	20-11-2014	98175
30	Epson Printer	1	28-11-2014	61600
	UPS	1		
	Battery	2		
	USB Wireless adapter	15		
	Video splitter	1		
31	Green Generator (Kirloskar)	1	10-12-2014	800000

6.5 Internal Quality Assurance System (IQAS)

6.5.1 Internal quality assurance Cell (IQAC)

- a. Has the institution established an Internal Quality Assurance Cell (IQAC)? If 'yes', what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?**

Yes. The IQAC has been functioning in the college since 2002. The institution deploys the IQAC as an all-encompassing monitoring and assessment system which locates the areas where quality improvement is needed. The staff of the college is constantly updating skill and knowledge so that quality of all activities is ensured. The role of the institution in curriculum designing is limited since it is done by the University. But the members of the faculty do play an active role through their suggestions, recommendations and curricular inputs. Their interaction with the stakeholders of the institution has been instrumental in the design-quality of the curriculum. The regular and constant deliberations on the curriculum by our faculty are conveyed to the university bodies so that qualitative curriculum modifications are brought about. In the case of curriculum transaction the college is very cautious to maintain quality. For the quality transaction of the curriculum modern trends and technologies, state-of-the-art instruments and equipment, and familiarization of frontier areas have been effected by the institution. By making these practices constant the college has institutionalized the quality assurance processes.

- b. How many decisions of the IQAC have been approved by the management/authorities for implementation and how many of them were actually implemented?**

All our proposals for quality enhancement have been approved by the management and are being implemented.

1. Sufficient operative facilities like furniture, electrical fittings, computers and lab equipment have been procured.
2. Regular academic programmes like workshops, invited talks and seminars, and institutional programmes like Founder's Day celebrations, Jubilee celebrations, Guru Jayanthi celebrations, Sivagiri Pilgrimage programmes, etc. are conducted.
3. Participation of teachers in short term courses, faculty development programmes, and other knowledge and skill development programmes is encouraged.
4. Engaging temporary faculty to make up for the absence of teachers relieved of their duty for FDP is effected. Vacancies arising from retirement, transfer and long leave which have not been filled by appointment of permanent staff also are temporarily occupied by such teachers.
5. Laboratory facilities and computer technology are updated.
6. Construction of new library building has been initiated.
7. Our proposal to restructure and automate the college office is being implemented.
8. Bore wells, fresh pipelines, overhead tanks and a power generator are installed
9. A waste disposal system is installed.
10. A system is set up for timely and continuous maintenance of building and toilets.
11. A permanent system is installed for maintaining the campus hygiene and greenery

c. Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.

Yes, the IQAC has two external members: a representative of the local community and a representative of the management. The contribution of the representative of the local community is that he has taken up the responsibility of holding ethical and moral classes and programmes in the college. The representative of the management has been very active in ensuring the quality of the infrastructural and estate development activities in the college.

d. How do students and alumni contribute to the effective functioning of the IQAC?

The students play a vital role in the functioning of the IQAC by providing feedback, carrying out the activities of students' clubs and forums, assessing and communicating the efficacy of facilities and infrastructure, and intimating the college authorities about the unethical, undesirable or untoward practices, if any, detected among the students.

The alumni of the college constituted their association CHESNA whose service also boosts the quality functioning of the college. The

CHESNA has been distributing merit scholarships for outstanding student performances every year. The first batch students of the college brought out a souvenir on the occasion of their meeting on the fiftieth year of the inception of the college. The souvenir is a document of pride and honour since it reveals their commitment and dedication to their *alma mater*. The interaction between them and the present students, for which the college provides every opportunity, stands in good stead for our students to choose suitable career for themselves and to get knowledge about diverse work environment.

e. How does the IQAC communicate and engage staff from different constituents of the institution?

The IQAC comprises the representatives of all constituents of the institution. The faculty of all departments, students and the non-teaching staff contribute to the functioning of the IQAC in one way or the other. The office staff has been given training in their role in the IQAC functioning. They support the IQAC in proper filing of documents, records and papers, distributing relevant information to the respective sections, storing information, operating support mechanism, keeping accounts and book keeping, and furnishing feedback. All the activities of the IQAC are performed through the curricular and co-curricular committees and students' clubs. These committees have teachers as conveners and members. The clubs function under the supervision of the teacher conveners. Every member of the faculty is thus an active participant and leader in the IQAC functioning. The Steering Committee of the IQAC communicates the relevant conveners about its decisions and suggestions in separate instructional meetings.

6.5.2 Does the institution have an integrated framework for quality assurance of the academic and administrative activities? If 'yes', give details on its operationalisation.

The college has an integrated framework for the quality assurance of academic and administrative activities, formulated by the IQAC. The academic activities are governed by three segments of the IQAC viz. CLMC, PGLMC and the Research Committee.

The CLMC ensures quality of academic activities through DLMC and the Tutorial System. The Tutorial System of the college is the most pivotal in all the endeavours to attain the academic objectives of the college. All the tutorial activity is governed by a Tutorial Committee, under a Convener. A separate segment, PGLMC is constituted for the quality assurance of PG level academics. The Research Committee supervises faculty improvement activities and skill development programmes.

6.5.3 Does the institution provide training to its staff for effective implementation of the quality assurance procedures? If 'yes', give details enumerating its impact.

Training

The IQAC conducts training programmes on quality assurance activities for both teaching and non-teaching staff. A training programme led

by Dr S.V Sudheer, Director, UGC-ASC, University of Kerala was held on 19-09-2014. The non-teaching staff was given training in its role in the IQAC functioning, by Sri S.Vijayakumar, Section Officer, Finance Wing, University of Kerala on 23-10- 2014. The college IQAC, through the Office Superintendent of the college, who is a member of the Steering Committee, monitors the functioning of the office staff in the discharge of its duties and gives tips and suggestions for quality enhancement.

Impacts

- The impact of the training is discernible in the ease and comfort with which the college could compile this SSR.
- Whenever a datum or record is required it can be easily located and taken for use.
- Information regarding the functioning of the college, its history and facilities are recorded and made easily available.
- IQAC gets the consolidation of all activities and responses of the stakeholders at tutorial level, department level and committee level, supported by evidences whenever sought.

6.5.4 Does the institution undertake academic audit or other external review of the academic provisions? If 'yes', how are the outcomes used to improve the institutional activities?

Yes, we conduct regular Academic Audit. The audit assesses the following:

- Infrastructural facilities
- Laboratories and libraries
- Availability of funds and their utilization
- Number of publications/projects by individual teachers and groups of students
- Extension activities
- University toppers
- Pass percentage
- Students' progression
- Teachers availing Faculty Development Scheme programmes
- Number of research guides among the faculty
- Number of PhDs produced by our teachers
- Teachers who acquired MPhil and PhD
- Teachers who are doing Minor and Major projects funded by the UGC/other organisations

An external audit which evaluates and grades the performance of the college is conducted annually. We take concerted efforts to exploit all opportunities to augment our performance. Such effects have considerably improved the overall academic performance of the college.

Noted impacts of the audit:

- ❖ Need based, sophisticated instruments installed in various departmental laboratories which enable us to undertake high quality projects and research in novel areas.
- ❖ Qualitative and quantitative improvement in publications by members of faculty in high impact factor peer reviewed journals.
- ❖ Priority given to quality assured expenditure in utilization of funds, in order to upgrade our existing facilities and to set up standard new facilities.
- ❖ Increase in the number of teachers with research degrees and of research guides
- ❖ Rise in the number of PhDs produced by our faculty guides.
- ❖ Increase in the number of teachers doing PhD under FDP
- ❖ Increase in the number of Minor and Major Research Projects
- ❖ Improvement in the quality of students' projects
- ❖ Modernisation of library service
- ❖ Varied community extension and social upliftment programmes.

6.5.5 How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?

The college maintains its quality by adhering to the stipulations put forth by the regulatory authorities and quality assurance agencies such as the UGC, NAAC, university and the Kerala State Higher Education Council. The college has constituted several quality assurance committees under the IQAC for executing diverse categories of plans and programmes. Such implementations are done in line with the external quality assurance agencies. These committees conduct enlightenment and training programmes for quality assurance in every aspect of the college functioning. Periodic evaluations help in the process and the report of such efforts, the AQAR, is submitted annually to the NAAC.

6.5.6 What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

The Academic Committee and the IQAC constantly evaluate the teaching-learning process. Department and college level monitoring committees assist in this process. The Tutorial System supports this assessment through student feedback and evaluation.

A program, Gleaning, is conducted at the end of every semester wherein teachers of that semester share experiences and information about their success and failure in teaching methods. Innovative methods that evolve from these sessions, lead to constant internal quality improvement in teaching.

6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?

The College Prospectus, the College Calendar, Press and Media, pamphlets and notices, the College Magazine, Annual Report, College Website, PTA Meetings, Alumni Meetings, Principals' Conferences, Local Management Reports and Tutorial Meetings are channels for the effective and timely communication of our quality assurance policies to various internal and external stakeholders.

Any other relevant information regarding Governance Leadership and Management which the college would like to include.

The college has implemented the following programmes for skilful and fruitful handling of situations, smooth governance and enhancing the leadership quality of the the students and staff.

- **Mukhamukham (Face to Face):** A forum for students to debate on the campus issues and for the faculty to transfer organizational strategies for better management.
- **Sampark (Keep in Touch):** Consultancy service provided by faculty members to other teaching and non teaching organizations.
- **We R with U:** A department wise students' fund rising program to help their peers in need of books, dress etc. The fund is raised by contributions, selling of old newspapers and products developed by students among students and faculties. Food Festival is another venue for that.
- **Plan for Tomorrow:** An initiative taken up by students and faculty members of the Planning Forum in providing guidance to the neighborhood with regard to waste management, health issues and rain water harvesting in association with NGO in the field.
- **My Life, My Career:** An initiative by Women's Studies Centre to introduce various careers, their challenges and future with the help of interactive sessions with expert women from the respective fields.
- **AnyBody can Do (ABCD):** An initiative by the students to extend a helping hand to the underprivileged/terminally ill people.
- **Mentoring :** An Orientation programme, for Assistant Professors, conducted by the Principal twice a year with a view to develop their leadership and communication skills and logical thinking.
- **Spandanam (Pulse):** A training programme to empower the teaching faculty to identify students with difficulties-psychological or physical. The identified student is referred to the College Counseling Centre and if necessary to, Medical College, Thiruvananthapuram, with parental support.

- **Anubhavam (Sharing Experiences):** A programme in which faculty members share their training programme experiences among them.
- **Spark :** An annual programme for the faculty to get enlightened of the changing job market requirements. This enables them to choose and start add-on courses and training programmes.

Criterion VII

INNOVATIONS AND BEST PRACTICES

7.1 Environment Consciousness

Sree Narayana College, Chempazhanthy with its lush green environment of diverse flora, is an eco-friendly campus with a serene ambience. The spiritual heritage of this institution stems from its location in the birthplace of Sree Narayana Guru, the poet-saint who transformed the State of Kerala into 'God's own country', through an unprecedented social reform. The pleasantly green campus is a haven of tranquility with its wide variety of flowering plants, large trees and a well-laid out garden. The Star Tree Grove, Medicinal Garden, Vegetable Garden and Green House offer added allure. The management, faculty, supporting staff and students stand united in their commitment to conserve and enhance the rich biodiversity in the campus.

7.1.1 Does the Institute conduct a Green Audit of its campus and facilities?

Yes, the institution has conducted a partial Green Audit at three levels viz energy audit, water audit and bio-diversity audit by green audit teams comprising the faculty and students from the Departments of Physics, Chemistry, Botany and Zoology.

1. Energy Audit

The Department of Physics conducted an energy audit of the campus in 2014. They identified the possible means of energy loss in the campus and put forward several suggestions such as :

- Replacement of high energy consuming electrical lights with CFL and LED bulbs wherever possible
- Imposition of a fine to curb wastage of power caused by keeping the lights, fans and electrical equipment unnecessarily switched on
- Inculcating the Save Energy culture through class campaigns and display boards for conserving energy
- Controlled use of electricity in Ladies' Hostel during working hours, when the students are attending classes
- **Installation of solar power plant in the Ladies' Hostel.** Installation of solar power plant for the whole campus and auditorium in plan stage
- Adequate ventilations to avoid electric air-conditioning

2. Water Audit

The Department of Chemistry conducted Water Audit of the campus in 2014, by collecting data on the following :

- Total length of water pipes laid in the campus
- Extent of damaged water line that requires replacement
- Number of faulty taps that require replacement or repair
- Per capita water-consumption of the hostellers
- The total consumption of water in the campus
- Amount of wastage of water on account of leakage
- Location of areas of maximum wastage of water
- Quality analysis of water of the campus and the neighbourhood

The Department of Geology has surveyed the following as part of Water Audit

- Mapping of natural water sources in and around the campus
- Assessment of rainfall in the campus
- The means to replenish underground water level depletion
- Locating potential areas for tapping ground water resources and means to replenish the exploited water quantity
- Measures to check run away of water and to appraise rain water harvesting measures

Remedial measures suggested include reflooring of some toilets and the provision of dual flushes. The Management and faculty have initiated some of the proposed changes in the college building and hostels. A committee consisting of the faculty and the students is entrusted to monitor the effective and judicious usage of water in the campus. The Department of Chemistry has already set the example by tapping pure rainwater, which is used for laboratory purposes.

3. Bio-diversity Audit

- The Departments of Botany and Zoology have conducted Bio-diversity Audit in the campus by recording the flora and fauna in the campus.
- The Department of Botany has conducted a detailed survey of the plant diversity in the campus and found that among the 300 odd species of flowering plants, 77 are tree species.
- A book on the “*The Campus Flora of Sree Narayana College, Chempazhanthi*” with photographic illustrations and descriptions of the flora is also under preparation for publication, as a part of the Biodiversity Documentation Programme initiated by the Department of Botany.
- The students of the Department of Botany have labelled the trees of the campus in a systematic manner. These bio-parks are entrusted to these students for continued management and protection.

GREEN MAP OF CAMPUS TREES - 1

The map displays the following features:

- Buildings:** MAIN BLOCK (purple), TOILET (GIRLS) (grey), STAR TREE GROVE (green), PHYSICAL EDUCATION BLOCK (dark blue), AUDITORIUM (blue), SNG CAS (blue), GAS ROOM (blue), ANIMAL HOUSE (blue), GREEN HOUSE (purple), and SECURITY OFFICE (blue).
- Tree Counts:** Various numbers in green circles are placed throughout the map, representing the count of trees in specific areas. For example, the STAR TREE GROVE contains a large cluster of trees with counts ranging from 10 to 75. Other counts are scattered around the buildings and along the perimeter.
- Compass Rose:** Located in the bottom left corner, showing North (N), South (S), East (E), and West (W).
- Way to Administrative Block:** A red arrow points to the right, indicating the direction towards the Administrative Block.

Text Fig.7.2 Green Map of trees of Sree Naryana College, Chempazhnathy -2

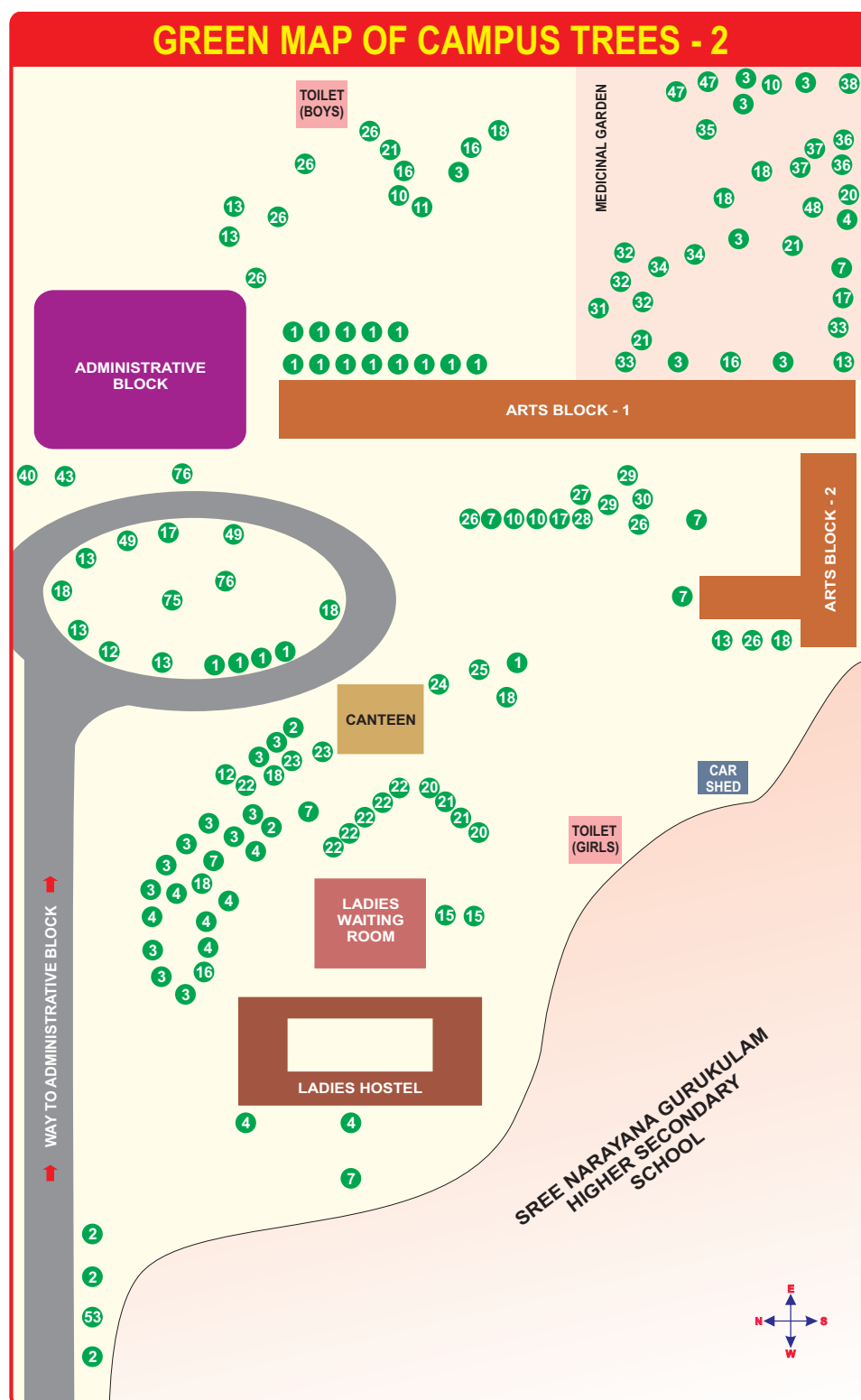


Table 7.1 **Green Map of trees of Sree Narayana College, Chempazhanthy**

1. *Cocos nucifera* L.
2. *Peltophorum pterocarpum* (DC.) Backer ex Heyne
3. *Swietenia macrophylla* King in Hook.
4. *Delonix regia* (Boj. ex Hook.) Rafin.
5. *Senna siamea* (Lam.) Irwin & Barneby
6. *Morinda pubescens* J. E. Smith
7. *Albizia saman* (Jacq.) Merr.
8. *Roystonea regia* (Kunth) O.F. Cook
9. *Dyopsis decaryi* (Jum.) Beentje & J.Dransf
10. *Phyllanthus emblica* L.
11. *Casuarina litorea* L.
12. *Cassia fistula* L.
13. *Mangifera indica* L.
14. *Caryota urens* L.
15. *Dalbergia* sp.
16. *Leucaena leucocephala* (Lam.) de Wit.
17. *Azadirachta indica* A.Juss.
18. *Syzygium cumini* (L.) Skeels var. *cumini*
19. *Artocarpus heterophyllus* Lam.
20. *Artocarpus hirsutus* Lam.
21. *Tectona grandis* L. f.
22. *Polyalthia longifolia* (Sonner.) Thw.
23. *Anacardium occidentale* L.
24. *Kigelia africana* (Lam.) Benth.
25. *Ravenala madagascariensis* Sonn.
26. *Tamarindus indica* L.
27. *Bauhinia purpurea* L.
28. *Holarrhena pubescens* (Buch.-Ham.) Wall. ex G. Don
29. *Careya arborea* Roxb.
30. *Lagerstroemia speciosa* (L.) Pers.
31. *Terminalia catappa* L.
32. *Saraca asoca* (Roxb.) de Wilde
33. *Acacia catechu* (L.f.) Willd.
34. *Chrysophyllum cainito* L.
35. *Aegle marmelos* (L.) Correa
36. *Pterospermum rubiginosum* Heyne ex Wight & Arn.
37. *Alangium salviifolium* (L.f.) Wangerin
38. *Ficus callosa* Willd.
39. *Vitex altissima* L. f.
40. *Santalum album* L.
41. *Tecoma stans* (L.) HBK
42. *Ficus benjamina* L.
43. *Araucaria columnaris* (G.F orst.) Hook
44. *Pongamia pinnata* (L.) Pierre
45. *Spathodea campanulata* P. Beauv.
46. *Thespesia populnea* (L.) Soland. ex Correa
47. *Caesalpinia sappan* L.
48. *Psydrax dicoccos* Gaertn. var. *dicoccos*
49. *Cyrtostachys renda* Blume
50. *Dyopsis lutescens* (Wendl.) Beentje & Dransf.
51. *Adenanthera pavonina* L.
52. *Ailanthus triphysa* (Dennst.) Alston
53. *Racosperma auriculiforme* (Benth.) Pedley
54. *Racosperma mangium* (Willd.) Pedley
55. *Strychnos nux-vomica* L.
56. *Ficus racemosa* L.
57. *Diospyros ebenum* J.Koenig ex Retz.
58. *Bambusa bambos* (L.) Voss
59. *Ficus religiosa* L.
60. *Mesua ferrea* L.
61. *Ficus benghalensis* L. var. *benghalensis*
62. *Butea monosperma* (Lam.) Taub.
63. *Ficus microcarpa* L.f.
64. *Spondias pinnata* (L. f.) Kurz
65. *Terminalia cuneata* Roth

- | | |
|--|---|
| 66. <i>Flacourtia jangomas</i>
(Lour.) Raeusch. | 72. <i>Neolamarckia cadamba</i> (Roxb.) Bosser |
| 67. <i>Mimusops elengi</i> L. | 73. <i>Borassus flabellifer</i> L. |
| 68. <i>Aporosa lindleyana</i> (Wight)
Baill. | 74. <i>Salix tetrasperma</i> Roxb.
(J.Koenig ex L.) J.F.Macbr. |
| 69. <i>Vateria indica</i> L. | 75. <i>Cycas circinalis</i> L |
| 70. <i>Madhuca neriifolia</i> (Moon)
H.J.Lam | 76. <i>Cycas revoluta</i> Thunb |
| 71. <i>Prosopis juliflora</i> (Sw.)
DC. | 77. <i>Calotropis procera</i>
(L.)R.Br. |

7.1.2 What are the initiatives taken by the college to make the campus eco-friendly?

The following initiatives have been undertaken in our campus to maximize its eco-friendliness.

Conservation of campus biodiversity

- Our Management, faculty, staff and students are committed to environment conservation and take initiative to enrich the campus by planting new saplings of fruit trees, and other medicinally and economically valuable taxa.
- The Star Tree Grove project initiated by the PTA, Nature Club and NSS is a huge success with the healthy growth of all the twenty-seven star trees.
- We have a well-maintained medicinal garden, green house and vegetable garden.
- Our students are exposed to setting up of artificial paddy field in the campus, as a means of bridging the gap between the field and the present-day youth, and to instil the love for traditional cultivation and self-reliance in the young minds.
- The nurturing of the newly planted saplings has been entrusted to each student. As a result the campus is expected to be more bio-rich in the coming years.
- International, National and Regional seminars have been conducted by the Departments of Botany, Zoology, Physics, Chemistry, History, Sociology and Geology on environmental issues.
- Dr. I.G. Shibi of the Department of Chemistry conducts classes on Green Chemistry all over Kerala.
- Environmentally important days like World Environment day, World Population day etc. are duly observed. Class campaigns, competitions and planting of tree saplings are organized on such days by NSS and Nature Club.
- The Sprouting Buddies programme was initiated by the Department of Sociology on 09-07-2012 as a part of World Environmental Day celebration, for promoting greenery in the living spaces and neighbourhood of every student. Each student of the department found his/her friend using lottery method and gifted his/her friend the seedlings of any vegetable of their choice as a token of their friendship on that day.
- Department of Sociology conducts classes under the shades of trees within the campus to provide a revitalizing experience to the students.

Energy conservation

- Replaced most of the incandescent lights with CFL and LED lights
- Habitualized switching off the lights, fans and electrical equipment immediately after use.

- The lights and fans in the class rooms of Arts Block have been brought under the control of a master switch so as to switch off after working hours from the Administrative Block.
- Inculcating the Save Energy culture through class campaigns and display boards for conserving energy
- Adequate ventilations to avoid electric air-conditioning.

Use of renewable energy

- Installation of solar energy sources have been initiated in our college. The management and faculty are committed to the increased utilization of renewable sources of energy in future.
- One 1KV solar inverter has been installed in the Ladies' Hostel.
- Aerobic Waste Disposal System has been introduced.

Rain water harvesting

- The campus landscape is very conducive to water shed management. Rain water harvesting is done to make up water shortage during summer.
- Several rain water pits have been dug in the campus to secure rain water from running away during the monsoon so that the groundwater resource is recharged and campus wells are replenished whereby uninterrupted water supply is facilitated.
- The Department of Chemistry, the largest consumer of running water, has set up its own rain water harvesting system which collects 5000-10,000 liters of rain water. The water quality parameters of the collected water are so good that it is used for laboratory purposes.

Check dam construction

The location of our college does not demand the construction of Check dam.

Efforts for Carbon neutrality

- The college has banned burning any kind of waste in the campus in order to avoid carbon footprint.
- Originally the campus area was a barren plot where the labour of the students, faculty and management has facilitated great biodiversity. The green-spirit has been maintained without fail so that our campus has achieved carbon neutrality to a great extent.
- Car-pooling by staff, and the college bus facility reduces over use of fuel and emission of carbon.
- Motor vehicle entry into the campus is restricted in order to minimize carbon emission within the campus.

Plantation

The college campus is rich with plenty of coconut, teak and mahagani trees. In 2014 we initiated *Tharusmarana*, a custom to plant indigenous trees to commemorate the visit of eminent personalities to the campus.

Waste Disposal System

- The campus follows a very systematic waste segregation process. The colour coded twin-bin system enables the segregation of biodegradable and non-degradable waste including e-waste, at the source itself and its disposal at appropriate storage points.
- The biodegradable waste is made compost, non-degradable waste and e-waste are separately and securely stored for periodic disposal through vendors involved in recycling processes.
- Our college campus is declared as a plastic free zone and whatever plastic waste is there, is collected and disposed for recycling. The College Canteen uses only utensils and implements which can be reused, or recycled, or is decomposable. NSS volunteers and Nature Club members conduct awareness campaigns in the campus and the locality in this regard.
- The institution has organized student workshops to train them in creative utilization of waste materials. The trained students in turn teach these techniques to their friends, family members, neighbours and community.

Hazardous waste management

- The Department of Chemistry has initiated the micro scale hazardous waste management in the campus, whereby a drastic reduction has been effected in the use and wastage of hazardous chemicals and acids in the campus.
- Green Chemistry Lab is another means employed by the department to minimize the production of hazardous waste.
- It also separates and disposes of other waste like glass splinters and metal scraps through vendors who collect material for recycling business.

E-waste management

- Most of the e-waste is stored in a secure place with a view to reusing some of its working parts. Irreparably damaged e-waste are sold to recycling agencies.
- Some old working computers are given to the needy people.

7.2 Innovative Practices

7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.

Innovations have been made for the realization of students' progress in academic, creative, social and other related aspects. Novelties are also introduced with respect to the welfare of teaching and non-teaching community. The details are as follows:

Innovations in curricular aspects

- **Expert Talks:** Students are given the opportunity to listen to expert talks rendered by nationally and internationally acclaimed dignitaries in their respective disciplines, thereby enhancing their knowledge.
- **Seminars:** International, National and Regional seminars are organized by different departments ensuring participation from different colleges and universities all over the country.
- **Exhibitions:** Exhibitions are conducted in a variety of topics such as Gender Violence (Women's Studies Unit and the Departments of English, History, Psychology, Sociology, etc.), Demographic Trends (Department of Sociology), Book exhibition (Reading Day - Shri. P.N. Panicker's Birthday Celebrations), Plant Science and Homestead Farming (Department of Botany), Ecospirit (Department of Economics), Animal Diversity (Department of Zoology), *La Tierra* (Department of Geology), Film Expo (Department of English), All-Chemic (Department of Chemistry) etc.
- **Poster/photo exhibitions :** were also conducted which include those on the History of Indian Cinema (Department of English), World Population Trends (Department of Sociology), Nature and its Beauty (Department of Botany), Star trees and their Economic Potential (Nature Club), etc.
- **Micro teaching:** The second and third year BA students of the Department of English, who have an aptitude for teaching are selected and given a chance to teach the first year students.
- **Spectrum:** The Annual academic seminar series 'Spectrum' has been giving ample opportunity to the students for paper presentations and discussions, thereby fostering their intellectual growth and academic refinement.
- **Student participation:** The college ensures student participation in regional and national conferences, and competitions in other institutions.

Innovations in creative aspects

- The Departments as well as the clubs provide the platform for the demonstration of the histrionic, musical, literary, intellectual and polemic talents of the students.
- Dr.S. Mahesh, Assistant Professor in the Department of Hindi, has translated *Daivadasakam* (Ten Hymns to God) to Hindi from Malayalam so that the hymns get national currency.

- The music talents of the college have formed a group *Layam* (Harmony) to chant *Daivadasakam* and such hymns on auspicious occasions at in-campus and off-campus venues. The group has conducted musical programmes at different places.
- The Department of English presented *Scary Theatre*, a horror play staged by the students of the department.
- The college has organized sales exhibition of paintings, handicrafts and ornaments made by our students. Such exhibitions were an impetus for them to venture upon online marketing.
- Some talented students of the college created a short film, titled *KU*, scripted, directed, enacted and dubbed by students themselves.
- Feeling inspired by this attempt, students of the Media Club generated a documentary *Sparsam* depicting the real life story of an old lonely widow living near the college. They captured the generous attempt of the NSS unit in renovating the widow's dilapidated house, arousing feelings of compassion and empathy.
- Every year the students conduct Food Festival, *Athappokkalam* competition (Floral Carper competition), *Onappattu* (Onam Song comeptition), *Thiruvathira* (A traditional form of group dance by women) in association with the Onam Celebrations and Carol Singing, Cribb Making and Cake Baking competitions are held in connection with Christmas celebrations
- The title of the College Magazine is selected in a democratic manner every year by conducting a title competition among the students.
- The college organizes workshops for students on creative writing and the Department Magazines offer a platform for exhibiting their literary talents.

List of Departmental Magazines are given below

English	<i>Scripting Minds</i> 2014
Sociology	<i>Neelambari</i> -2009, <i>Mayilpeeli</i> -2010, <i>Thoolika</i> -2011, <i>Sauhridam</i> -2012, <i>Shrishti</i> -2013 and <i>Jyothirgamaya</i> -2014
Geology	<i>Samastha</i> 2014
Chemistry	<i>Chemag</i> 2010,2012 & 2014, <i>Golden Spangles</i> -2014 <i>Snippet Corner</i> -Wall magazine 2014
Botany	<i>Ithalukal</i> -2014
Economics	<i>Journal of Economic Affairs</i> -2011
Psychology	<i>Manasmrithy</i> -2014
History	<i>Historia</i> published from 2007

Innovations in developing Social Commitment among students

Under the leadership of different departments, the college observes the days of social relevance with active participation from students and teachers.

Table 7.1 Days of social relevance observed

Day& Date	Programmes	Years	Department/Body
June 5, World Environment Day	Sprouting Buddies: to promote greenery in the living spaces and the neighbourhood Planting seeds and saplings Class campaigns on Environment Protection	2012 Every year	Nature Club, NSS, Sociology, Botany and Geology
June 11, World Population Day	Quiz programs, audio-visual presentation on Demography Exhibitions on Demographic Trends, the Dangers of Population Explosion etc. Student Seminar on Demographic Transition and its Impact on Dependency	2010, 2013, 2014 2010, 2014 2014	Sociology Economics
June 19, Vayana Dinam in memory of Shri. P.N Panikkar, library and literacy activist	Book review, Quiz and Reading competitions, Book exhibitions	Every year	Literary Club & library
June 26, Anti Narcotic Day	Poster competitions, class room campaigns with placards, slogan and caption preparations, social campaigns	Every year	Sociology, NSS, Anti-Drug Abuse Cell
August 12, World Youth Day	Interaction with Alumni and discussions on relevant topics	Every year	College
August 15, Independence Day	National Flag hoisting, distribution of sweets and Independence Day message by the Principal, NCC parade and Guard of Honour by the Principal	Every year	College and NCC
September 5, Teachers' day	<i>Guru Dakshina</i> by students (roses)	Every year	NSS
September 16, Ozone Day	Write up on Wall Magazine on Ozone Depletion and Global Warming	2014	Chemistry
September 20, World Literacy Day	Interaction with the kids of nearby <i>Aganvadi</i> and distribution of chalks, slates and chocolates.	2011	Sociology
September 21, World Alzheimer's Day	Student seminar on Alzheimer's disease. Videos and relevant clippings from movies like <i>Thanmatra</i> were also screened.	2013	Sociology and Psychology
October 1, Old Age Day	Presentation of report on the case study on aged people Discussions on gerontological problems Narrations of personal interviews and field experiences of the students Enlightenment programmes on old age potential; demonstration of the aged in various fields of activity; video and photoexhibition of cultural performances of the aged Honouring selected elders of the neighbourhood with <i>Vastra Danam</i> (Gift of dress)	2012 2013 2014	College and Sociology College
October 2, Gandhi Jayanti	Campus cleaning, cleaning of public places like bus stations, hospitals, Institute for the	Every year	NSS

	mentally retarded etc.		
	Remembering Bapu : prayer session, deliberations on Gandhian philosophy and way of life	2014	College
	One week program on Mental Health; expert talks, poster and slogan competitions, class wise campaigns for assistance to the mentally ill	2010	
October 10, Mental Health Day	Expert talk on Motivation for Mental Health Maintenance by Shri. Bhrama Nayakam, a prominent activist in filed of rehabilitation of the mentally ill.	2011	Psychology and Sociology
	Sensitization programme on caring the differently abled	2011	
	Visit to the Institute of Mentally Challenged Children, Pangappara		
	Sharing students' experience in the Institute and discussion on the same	2013	Sociology
November 1, Keralappiravi (State Reorganization Day)	All students wear traditional dress of Kerala	Every year	College
	Presentations highlighting the traditional and cultural merits of the state	Every year	Students and faculty
November 7, Founder's Day	Memorial talk on Shri. R.Sankar Shri. R.Sankar Commemorial Meeting Quiz and Essay competitions	Every year	College
November 14, Childrens Day	Invited talk on a particular Soci-political issue from a socialistic, secular and democratic angle by an eminent personality	2014	College
December 1, AIDS Day	Screening of documentaries and short films on AIDS and the affected	2014	Sociology assisted by LV Prasad Television and Film Academy, Kinfra Park
	Distibution of Red Ribbon Loop	Every year	NSS and Red Ribbon Club
December 10, Human Rights Day	Expert talk by eminent personalities	Every year	Political Science and Human Rights Forum
January 12, National Youth Day and Vivekananda Jayanthi	Awareness programme on Vivekananda philosophy	2013, 2014	College
	Career Guidance Talk	2014	Career Guidance Cell
	Seminar on Philosophy of Swami Vivekananda sactioned for January 2015	2015	History
January 26, Republic Day	National Flag hoisting by the Principal, Republic Day parade by the NCC cadets, distribution of sweets and cadet Salute to the Principal	Every year	College and NCC
January 30, Martyr's Day, (Gandhi Samadhi)	Prayer session	Every year	College
February 28, National Science Day	Grand Science exhibition (NSD-2010)	2010	
	Invited talk on Fostering Scientific Temper	2014	Science Club
March 8, International	Poster exhibition on Gender Violence	2011	Sociology
	Quiz on "Women and Excellence" and	2013	Women's Study

Women's Day	poster exhibition		Cell
	Workshop on Women's Writing	2014	Women's Study Cell and Literary Club

- We observe Sree Narayana Guru Jayanthi and Guru Samadhi day every year with prayer sessions, *Anna Danam* (free feast) and customary offerings at the Gurukulam. These days are observed according to the Malayalam calendar.

Innovations in Developing Moral Commitment in Students

- Every college day starts with the Morning Prayer – *Daivadasakam*, while everybody in the campus stands in obeisance.
- The Sree Narayana Study Centre through regular programmes enlightens the college community about the sublime preachings of Sree Narayana Guru.
- The external member of the IQAC, the Chief of Sree Narayana Gurukulam conducts moral and ethical classes to students.
- The college enlightens the freshers about the discipline and code of conduct in the college during the orientation programme Know Your College.
- One of the foremost objectives of tutorial system is to impart moral and ethical training to students.
- Sree Narayana Guru's preachings are aphoristically inscribed on the walls so that they impress fast on the young minds.
- The NSS and the NCC units train students in disciplined collective life and instill the values of accommodation and self-adjustment.
- To persuade students for abstaining from drugs, the students' clubs conduct programmes like skits, mimes, plays and poster exhibitions.
- To purge the young minds of sense of gender disparity and to instil the sense of gender equality, students organize performances like a mime on the *Nirbhaya* issue.
- The NSS units of the college collect books in order to enrich a rural library in a nearby colony of unprivileged people so that they get more and easier access to the world of words through a programme *Pusthakathottil* (Cradle of Books).

Innovations in developing students' self-awareness

The Departments of Sociology and Psychology conducted studies on the academic, social, cultural and psychological aspects of the students in order to assess and trace the development of students' self-awareness. The terms of reference are listed below :

- Impact of Advertisements on Teenage Students
- Impact of Social Network Media among Teenagers
- Perspectives of Teenage Students of SN College,
- Chempazhanchy, Regarding the Elderly
- Social Intelligence of UG Students
- Academic Stress in Relation to Personality

- Internet Usage among Students
- Impact of Academic Courses and Gender on the Self-esteem of Under Graduate Students
- Emotional Intelligence of Students Possessing Artistic Skills

Innovations in Social and Academic Exposure through Field visits

- The Department of History organizes visits to archaeologically and historically significant sites.
- The Department of Sociology organizes visits to tribal areas and institutions such as poor homes, old age homes, special schools etc., which extend support to socially deprived sections.
- The Department of Geology organizes periodic visits to geologically important sites in Tamilnadu and Andhra Pradesh.
- The Departments of Chemistry and Physics conduct visits to research institutions and industries which are relevant to their respective disciplines
- The Departments of Zoology and Botany conduct visits to sacred grooves, wild life sanctuaries, aquatic biodiversity centres, Botanical Gardens, National Parks and reputed biological institutes, apart from field surveys.

Innovations in Governance and Leadership

- The management of the college provides on the field leadership to the college mainly in the realms of infrastructure and facilities.
- The management provides great motivation to the faculty and staff to exploit every opportunity of knowledge and skill acquisition by ensuring conducive service atmosphere.
- The management comes down to the student community to inspire them and to inculcate a sense of discipline in them.
- The management appreciates the strengths of the college and extends reliable supportive hand to come up from weaknesses.
- The Principal with his clear perspective, realistic attitude and pragmatic approach leads every aspect of the college functioning efficiently to the satisfaction of all sections of the stakeholders.
- The College Council, the Academic Committee and the IQAC of the college meticulously supervise all segments of plan implementation.

Innovations in improving Teacher Quality

- Research promotion
- FLAIR programme for junior professors
- Minor and Major Projects by teachers

- Facilitating participation of teachers in Seminars and workshops as a part of skill acquisition and development.
- ICT enabled class room facility.
- Through invited taks.

Innovations in ensuring welfare of students, teachers and non-teaching staff

The College takes different measures to ensure the well-being of students, such as :

- The annual seminar series, Spectrum
- Guidance for higher education and career building
- Facilitating job opportunities
- Walk With a Scholar Programme
- Additional Skill Acquisition Program (ASAP)
- Scholarships and Endowments
- Medical insurance and periodic Medical Camps
- Counseling Centre functioning in the Department of Psychology
- Computerised and well-equipped library, separate cabin for research scholars and e-resources
- Active **NCC wings** for boys and girls
- Dynamic NSS Units
- Various clubs to channelize student talents
- Remedial classes
- Grievance Redressal Cell and Complaint Box
- Ladies' Hostel and Canteen
- Mutual Benefit Scheme
- Guidance classes to the staff on service
- Active College Students' Union

Innovations in nourishing the eco-friendly campus.

- Star Tree Grove
- Organic cultivation of tapioca, banana etc.
- Green House
- Medicinal Garden
- Vegetable Garden
- Practical training on setting up paddy field
- Rain water harvesting and rain pits

7.3 Best Practices

7.3.1 Give details of any two best practices which have contributed to better academic and administrative functioning of the College.

❖ A - Best Practice - 1

1. Title

SPECTRUM : A decade old annual academic seminar series conducted collectively by all the departments of the college, each sharing a day

2. Goals

- To propagate the philosophy and ideals of Sree Narayana Guru
- To familiarize emerging trends and frontier areas to all
- To impart all scholastic opportunities to the unprivileged and the marginalized students
- To provide opportunity to our students and faculty to participate in interdisciplinary scientific discourses
- To cultivate research aptitude among students by giving them exposure to academic activities
- To offer a platform for our students to present their research findings before eminent scholars of various disciplines
- To train students in impeccable organization of academic programmes
- To provide an inspiring occasion to the local public to witness the grandeur of academic fiesta

3. The Context

- The very objective of the college is to liberate humanity from all evils which darken human mind and intellect. Our Patron- Saint Sree Narayana Guru, exhorted us to achieve Be Emancipated through Education.
- Present conventional way of education becomes deficient as the changes happening in the world of knowledge are swift and tremendous. Therefore, the system requires timely update of knowledge and skill, for which an additional initiative becomes imperative.
- In the tightly scheduled CBCSS, our students get limited opportunities for listening and watching academic performances of eminent personalities, acquainting with emerging trends and frontier areas and self-expression.
- Since our objective is to send out generations of fully developed personalities with practical knowledge of responsible living, the college is duty bound to provide our students adequate venues for student empowerment.
- Apart from internalizing the very spirit of postmodern knowledge society and the trend of the times- interdisciplinary approach- Spectrum fulfils the requisites of the aforesaid contexts.

4. The Practice

- Spectrum series begins with an inauguration, followed by department wise seminar days and ends with the valedictory function.

- Clear and detailed information about the proceedings of each day of the series is circulated among the stakeholders, staff and students, well in advance.
- The different committees constituted with the teaching and non-teaching members of the college with Academic Committee at the apex, plan strategies to conduct the program with exceptional brilliance.
- Student Committees are formed to ensure their participation, not only in academic activities, but also in organizational roles throughout the series.
- Academic committee instructs departments to choose seminar themes that have relevance to the issues and requirements of the community.
- The inauguration of Spectrum, one of the most important events of the college, is graced by the presence of eminent intellectuals, prominent educationists and renowned scholars.
- Prominent personalities among the stakeholders are invited to be a part of the programme. Their active presence throughout the seminar helps in its smooth conduct.
- The Seminar series lasts for thirteen days with each department holding a seminar for a day. Heads of departments chair the sessions where renowned academicians discuss and elaborate key ideas with the audience.
- In the afternoon session, the focus is on interaction, where students, teachers and invited guests discuss and deliberate on topics of academic interest. Students are encouraged to present papers before this learned audience. We also invite interested students and research scholars from outside the campus to present papers and to participate in the seminar.
- The Seminar closes with a valedictory function organized by the Department of Oriental Languages, in consultation with the academic committee. Distinguished personalities from the field of art and culture participate in the event. A report on the proceedings is presented before the august gathering. Feedback from participants is collected for further evaluation.
- A staff meeting is held post Spectrum where an office bearer of the Academic Committee enumerates the whole proceedings of the series, highlighting the achievements, strengths and marking defects and weaknesses. On an optimistic note, the college takes a pledge to hold the next year's Spectrum in a better way. Depending on the financial resources available every year, the abstracts of all the presentations are consolidated and published as souvenir subsequently.
- The greatest contentment that the college enjoys is that the funds collected from the parents at the time of admission is utilized for the conduct of Spectrum, the direct beneficiary of which is our students.

5. Evidence of Success

- The success of Spectrum is manifest in the marked expansion of knowledge and enhancement of critical thinking of the students as well as of the faculty. The presence of references to frontier areas in their discussions and business like style in their further presentations are also due to the direct impact of Spectrum.
- The increasingly smooth conduct of collective activities and employment of refined modalities in organizing academic programmes and the increase in the level of students' confidence and self-esteem in the conduct of programmes are clearly discernible.
- Students increasingly utilize ICT enabled techniques in designing presentations
- The success of the multidisciplinary nature of the programme is reflected on the rise in interdisciplinary research enthusiasm, publications and interactions
- Breaking the barriers on the way of interdisciplinary knowledge sharing
- The increase in the goodwill of the institution owing to the regular conduct of high standard seminar series is evident in the advanced requests that we receive from scholarly community for participation.
- The enrichment of library with books on the emerging areas, latest publications and journals, procurement of equipment and instruments of latest technology and introduction of innovative methods of teaching also vouch for the success of Spectrum.
- Normally for the conduct of a two day seminar, a minimum of Rs. 50,000 is required. Since Spectrum involves a series of presentations and invited talks by thirteen departments as a continuous and single event, the financial burden is very limited with respect to brochures, banners, stationary materials, stage decorations and infrastructural facilities.

6. Problems Encountered and Resources Required

- We are constrained to restrict the number of student presentations, which is disappointing.
- As Spectrum is not supported by the government and other educational bodies, the teachers from other institutions find it difficult to procure duty leave from their parent college. This aspect decreases intellectual participation.
- As Spectrum is a widely publicized one, student demand for it becomes more than what we can accommodate in the Seminar Hall.

❖ B - Best Practice - 2

1. Title

GURUSANTHWANAM : The flagship programme of our institution which focuses on inculcating in the students humanitarian values and compassion for the suffering in the community.

2. Goal

- Apart from academics, our prime concern is philanthropic activities. Since one of the objectives of the college is the uplift of the deprived sections of the society, as exhorted by Sree NarayanaGuru, our patron-saint, the college programme *Gurusanthwanam* aims at bringing up the deprived and vulnerable people to the mainstream life.
- The programme is designed to impart firsthand information about real life situations of the poor and the marginalized to the students and to develop the quality of empathy in them. The programme aims at students' involvement in nation building, and developing self-discipline, leadership qualities and the sense of responsibility to the society.
- The programme envisages development of love and compassion in the students.

3. The Context

- Situated at allocation sanctified by the birth of Sree Narayana Guru, the college takes up the responsibility of the materialization of the Guru's visions.
- The place with its rural and backward background demands greater social activity by the college because the area has no other higher education institution for the people to look up to.
- Majority of our students belong to socially, economically, culturally and intelluctually backward sections. Many of them belong to broken families and suffer serious psycho-social mal-adjustment problems. Involvement in humanitarian activities helps them to think beyond themselves and emerge as socially sensitive and sensible individuals.
- Despite being economically poor, our students have generous hearts. Hence our institution receives the whole-hearted support of our students in welfare activities. They are magnanimous in offering themselves in such endeavours.
- Stake-holders of this institution are the inspiration and driving force behind this program.

4. The Practice

Gurusanthwanam spreads across various fields of activities and cuts across different sections of society. The programs are listed below :

- Extension activities of the College in association with the

Gurukulam:

1. Familiarizing the ideologies of Sree Narayana Guru through interactive learning programs with spiritual guides and mentors of the Gurukulam.
 2. Active involvement of the college in cultural activities conducted by the Gurukulam.
 3. Active involvement of the college in the Sree Narayana Guru Jayanthi celebrations with financial contribution and extension of infrastructural facilities.
 4. The staff participation and leadership in the organization of the pilgrimage programmes.
 5. Students' volunteer service to the pilgrimage programmes.
- Renovation of the dilapidated houses of the needy poor in the neighbourhood by the NSS units of the college.
 - Financial support to the seriously sick needy students of the college and such people of the locality. (Sreeju Gopal, a student of the Department Economics received Rs 4 lakhs for kidney transplantation and Jeevan Deepak, a six year old local cancer patient, Rs 25000/-).
 - Collective support and care to the people in old age homes, orphanages and palliative care homes through Any Body Can Do, an innovative program.
 - Donation of collected books to the students of underprivileged classes of the Ambedkar Colony, a residential neighbourhood, by NSS Unit of the college.
 - Mid-day Meals to poor students of the college through the Noon Meal Scheme of the PTA.
 - Regular blood donation by our students and staff, maintain our status as the topmost blood donor of the state.
 - Periodic distribution of food packets to the patients of the Regional Cancer Centre, Trivandrum.
 - Separate financial assistance to needy girl students
 - Financial assistance to the bereaved families of our students, considering their need (The family of Unnikrishnan, a student of this College who lost his life in an accident received Rs.50000/- for the treatment of his old and ailing parents).
 - Financial assistance to Asha Bhavan, an institution for mentally challenged and abandoned women.
 - Conduct of academic surveys and studies, in and around the locality, for identifying issues that demand a humanitarian intervention.

5. Evidence of Success

Gurusanthwanam is a programme purely aimed at offering support to the community and to inculcate humanitarian values in the students. It cannot be measured using any yardsticks, but we are proud to say that the program is indeed a success. It is an ongoing program and we

aspire to take it to a higher level in the forthcoming years.

- Classes on Guru's philosophy have moulded our students' personality in such a way that they are able to sympathize and empathize with the under-privileged and the needy.
- Our students exhibit no inhibitions when it comes to philanthropic activities, be it blood donation or offering their manual skills, time and energy. This is also true of girl students coming from rural areas.
- A heightened level of involvement of the students is displayed in the way they take up leadership in such activities. A program to be highlighted in this context is, 'AnyBody Can Do' which is an innovative program exclusively by the students.
- Philanthropic activities of the college are covered by the media extensively. This has caught the attention of the public and has resulted in building a good reputation for the college. We are proud to be identified as an institution that upholds the noble values of human existence.

6. Problems Encountered and Resources Required

Gurusanthwanam is a program solely driven by the grit and determination of the people involved — students, staff and stakeholders. We encounter mainly the following hurdles:

- Our college functions as per the academic calendar which follows the schedule issued by the University of Kerala. CBCSS demands completion of academic activities within the stipulated time frame. This causes time constraint for extension activities.
- Since majority of our students come from economically backward families, monetary help from our students is meagre.
- The present educational system puts immense pressure on both teachers and students. In order to initiate and execute such activities, they need to overcome the stress caused by academic responsibilities.

7. Notes

- Our college takes on several pursuits that not only check negative tendencies in students but also inspire them to be useful to the society, thanks to their constructive social activities planned and executed by the college.
- We were put to a hard test of our own ability to choose two from a multitude of excellent practices. We fulfil our pledge to the national posterity to generate generations of spirited youth empowered with courage, compassion and commitment.

8. Contact Details

Name of the Principal:	Dr.L. Thulaseedharan
Name of the Institution:	Sree Narayana College, Chempazhanthy
City:	Thiruvananthapuram
Pin code:	695587
Accredited Status:	B+
Work Phone:	0471-2592077; 2596639
Fax:	0471-2596639
Website:	www.sncollegechempazhanthy.ac.in
Email:	snc.org@gmail.com ; lthulaseedharan@gmail.com
Mobile:	09447018995

**EVALUATIVE REPORT
OF THE
DEPARTMENTS**

DEPARTMENT OF ENGLISH

1.	Name of the Department		English				
2.	Year of Establishment		1964				
3.	Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., IntegratedMasters; Integrated Ph.D., etc.)		UG	PG			
			BA English	MA English			
4.	Names of Interdisciplinary courses and the departments/units involved		Name		Depts. involved		
			Film Studies, Media Studies and Women’s Studies included in the core course are of interdisciplinary nature		Other departments		
5.	Annual/ semester/choice based credit system (programme wise)		UG		PG		
			Choice Based Credit and Semester System		Semester		
6.	Participation of the department in the courses offered by other departments		Nil				
7	Courses in collaboration with other universities, industries, foreign institutions, etc.		Nil				
8.	Details of courses/programmes discontinued (if any) with reasons		Nil				
9.	Number of Teaching posts			Sanctioned	Filled		
			Associate Professors	4	4		
			Assistant Professors	5	3		
10.	Faculty profile with name, qualification, designation, specialization						
	Sl. No	Name	Qualification	Designation	Specialization	Years of experience	No. of PhD students guided
	1.	Dr. B. Mini Anand	M.A ,M.Phil, PhD	Associate Professor	Sociolinguistics	32	Nil
	2.	Dr. C. Roshni	M.A., Ph.D	Associate Professor	Linguistics	31	
	3.	Dr. SwapnaGopinath	M.A ,M.Phil, PhD	Associate Professor	Culture studies, Gender Studies	17	
	4.	Dr. Manu Remakant	M.A ,DJ, PhD	Associate Professor	Film Studies and Media	17	
	5.	Smt. Julie P.S.	M.A, B Ed	Asistant Professor	Cultural studies	3	
	6.	Smt. Lakshmi Priya P.S.	M.A, B Ed	Asistant Professor	Cultural studies	3	
	7.	Smt. NayanaKonath	M.A, M.Phil	AsistantProfessor	Cultural studies, Drama	3	
	8	SangeethaHariharan	M.A., B.Ed	Guest Lecturer	Diaspora Studies		
	9	AnuJayapal	M.A.	Guest Lecturer	Subaltern Studies		
	10	Monisha Mohan	M.A.	Guest Lecturer	Subaltern Studies		
	11	Anupriya U.G	M.A.	Guest Lecturer	Women’s Studies		
	12	Megha Elizabeth	M.A.	Guest Lecturer	Post-Colonial Studies		
	13	Mukil.V	M.A.	Guest Lecturer	Cultural studies		
	14	MsAthulya V	M A	Guest Faculty-PTA	Cultural studies		

11.	List of senior visiting faculty	Nil			
12.	Percentage of lectures delivered and practical classes handled(programme wise)by temporary faculty	UG		PG	
		53%		0	
13.	Student -Teacher Ratio (programme wise)	UG		PG	
		1:40		1:7	
14.	Number of academic support staff (technical) and administrative staff	Sanctioned		Filled	
		Nil		Nil	
15.	Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.				
	Sl.No	Name	Qualification		
	1.	Dr. B. Mini Anand	M.A,M.Phil., Ph.D.		
	2.	Dr. Roshni C.	M.A., Ph.D.		
	3.	Dr. SwapnaGopinath	M.A,M.Phil., Ph.D.		
	4.	Dr. Manu Remakant	M.A,D.J., Ph.D.		
	5.	Smt. Julie P.S.	M.A, B. Ed.		
	6.	Smt. Lakshmi Priya P.S.	M.A, B.Ed.		
	7.	Smt. NayanaKonath	M.A, M.Phil.		
	Guest Faculty				
	1.SangeethaHariharan		M.A.,B.Ed.,NET,SET(Govt. Guest Faculty)		
	2.AnuJayapal		M.A., NET (Govt. Guest Faculty)		
	3.Anupriya U.G.		M.A.,B.Ed.,NET,SET(Govt. Guest Faculty)		
	4.Megha Elizabeth		M.A., NET (Govt.Guest Faculty)		
	5.MukilV.		M.A., NET (Govt. Guest Faculty)		
6.Monisha Mohan		MA. (Govt.Guest Faculty)			
7.AthulyaV.		M.A. (PTA Guest)			
16.	Number of faculty with ongoing projects from	National		International funding agencies and grants received	
		Nil		Nil	
17.	Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil				
	Major Projects : 1				
	1.Dr. C. Ajayan : Metaphors of Rebellion : Dalit Literature of South India, 2009-11,UGC,7.20 lakhs				
	Minor Projects:2				
	Name	Title	Funding agency	Duration (years)	Amount
	Dr. T. R. Latha	Immigrant Sensibility in RohintonMistry’s Novels-Study	UGC	1 year	Rs.90,000
	Dr. SwapnaGopinath	Encoding Hegemonic Ideologies in Advertisement: The Indian Scenario	UGC	2years	Rs. 1,20,000
18.	Research Centre /facility recognized by the University :				Nil
19.	Publications				
	Sl.No	Publication		National/ International	
	Dr. C Ajayan				
	Books Edited and Published: Two 1. English Self Learner 2. Advanced Practical English Usage				National

	Dr.ManuRemakant		
	1.Loss of Sobriety 2.Temptation Uncorked 3.The gift Dionysus 4.Rum’s Rebirth 5.Don’t Swill, Just Taste		Appeared in ‘ <i>Open</i> ’- a National Magazine
	6.Kerala Liquor Ban: How does one stop the Biggest Drinking State in India from Getting High		EconomicTimes- National Daily
	7. Rum Road Ravings		Internationally popular Blog
	8. Regular Columnist-The Hindu		National Daily
	Dr. SwapnaGopinath		
	1. Codes of Indianness in Diasporic Writing, <i>Literary Insight</i> , 3 , 1, 2001		International
	2. Fear, <i>Contemporary Literary Review India</i> , October 2011		National
	3. Redefining Masculinities and the Transnational Hero in Popular Indian Cinema, <i>Littcrit</i> , 2012		National
	4. Images of Transnationalism in Multicultural spaces, <i>Teresian Journal in English Studies</i> , 4 , 2014.		National
	5. The Transnational Identity of the Indian as Reflected in Indian Travelogues: A Culture Studies Perspective, <i>English Activities Update</i> , 2012		National
	6. The Dialectic between National and Global identities: a Study of Indian Travelogues, in <i>Indian Literary Historiography and Counter Currents in Post Coloniality</i> . Eds. Asha Susan Jacob and Tom Thomas ISBN 978- 81- 7821- 436-8 Published by Post Graduate Department of English, St. Thomas College , Kozhencheri.		National
	7. Tracing the History of a War Torn Land: A Study of KhaledHosseini’s <i>A Thousand Splendid Suns</i> , <i>Indian Review of World Literature in English</i> , 9 , 2013.		International
	8. Negotiating Personal and Collective Memories of Loss and Destruction in Trauma Narratives: A Cultural Studies Perspective, <i>Research Scholar</i> , 2 , 2013.		International
	9. Chinese American Diaspora Literature: A Brief Introduction. Published in <i>Imagin(ing) the Diaspora: Critical Responses to Asian Diasporic Art and Literature</i> . Ed. Jamuna.B.S, Published by UGC- SAP, Institute of English, University of Kerala		National
	Smt. Julie. P. S		
	1. When Tail-Ends Tell Tales in <i>Proceedings of the Kanniakumari Academy of Arts and Sciences, KAAS 2013, ISBN 978-93-81658-07-9</i>		National
	2. Anchee Min’s Empress Orchid: A Historical Perspective in <i>Imagin(in)g the Diaspora: Critical Responses to Asian Diasporic Art and Literature</i> , 2014.		National
	3. Globalization and Malayalee Sensibilities: An Analysis of its Reflections in Film Media in <i>Re-inventing and Recasting the Praxis of Globalization</i> , Volume 1,2014 Proceedings of the UGC Sponsored National SeminarPG Department of English, Christian College, Chengannur, <i>Title of Paper ::ISBN:978-81-928481-1-2</i>		National
20.	Areas of consultancy and income generated	Dr. SwapnaGopinath –Language Acquisition Programmes for ENRICH Foundation,TVM	

21.	Faculty as members in International and National committees, Editorial Boards etc.					
	Smt. V R Rajalekshmi	1.Board of Studies, University of Kerala 2.Higher Education Council				
	Dr. N Sreekala	1.Higher Education Council				
	Dr .C Ajayan	1.Board of Studies, University of Kerala 2.Examination Board, University of Kerala				
	Dr. B. Mini Anand	1.Editorial Board Member <i>Logos</i> (ISSN 2349-3836)				
	Dr. Roshni.C	1.Examination Board, University of Kerala				
	Dr. Manu Remakant	1.Faculty of Arts, University of Kerala 2.Higher Education Council				
	Dr. SwapnaGopinath	1.Editorial Advisory Board member in <i>Media Watch</i> -an international Peer Reviewed Journal				
22.	Student projects					
			UG	PG		
	Percentage of students who have done in-house projects including inter departmental/programme		Projects as part of curriculum activity for Final Year Degree Students	Projects as part of curriculum activity for Final Year Students		
	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies		100%			
23.	Awards / Recognitions received by faculty and students: Nil					
24.	List of eminent academicians and scientists / visitors to the department					
	Sl. No	Name	Designation	Topic	Date	Year
	1.	Dr. Alexander Jacob. IPS.	Additional Director General of Police	Creative writing	4-11-2009	2009-2010
	2.	Dr. KalyaniVallath	Director, Vallath's Total English Solutions	Post War British Fiction		
	3.	SebinIqbal	Senior Editor, Business India	Media Communication and Literature	6-1-2012	2011-2012
	4.	Dr.P.P.Ajayakumar	Professor, Dept of English, Institute of Distance Education, University of Kerala.	Culture Studies	22-3-2013	2012-2013
	5.	Dr.BalamohanThampi	Former Vice Chancellor		7-11-.2013	2013-2014
	6.	Dr. J. Devika	Associate Professor,CDS,Scholar and author		10-3-2014	2014-2015
	7.	Dr. Meena .T. Pillai	Institute of English, University of Kerala	Films and Culture	18-3-2014 28-8-2014	2014-2015
	8.	C.S. Venkateswaran	Eminent Film Journalist and Critic		29-8-2014	2014-2015
	9.	Prof.B. Radha	Scholar, MS University, Thirunelveli	Mass Communication	29-8-2014	2014-2015
25.	Seminars/ Conferences/Workshops organized & the source of funding					
	a. National : One		b. International: Nil			
	Sl.No	Type of Programme	Title of Programme	Period	Funding Agency	Amount utilized
	1.	National Seminar	Representation of Subalternity in Indian Cinema: Issues and Challenges in Globalised India	28-08-2014 to 29-08-2014	UGC	Rs. 55000
26.	Student profile programme/course wise:					
	Course	Year	Applications	Selected	Enrolled	Pass
						University Ranks

			received		M	F	%	
	BA English	2009-10	988	62	24	38	54.23	3 rd Rank, Jayalakshmi N.S
		2010-11	788	53	12	41	50.80	4 th Rank, Reji A.L
		2011-12	1024	50	13	37	63.30	
		2012-13	3541	48	15	33	92.30	
		2013-14	4041	50	18	35	90.00	
	PG English	2013-14	146	15	4	11		
		2014-15	396	20	3	17		
27.	Diversity of Students							
	Name of the Course		% of students from the same state		% of students from other States		% of students from abroad	
	MA English		100		0		0	
	BA English		100		0		0	
28.	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?				NET- 2			
29.	Student progression							
		2009-10	2010-11	2011-12	2012-13	2013-14		
	UG to PG	14	11	15	25	22		
	PG to M Phil							
	PG to Ph.D.							
	Ph.D. to Post-Doctoral							
	Employed - Campus selection							
	- Other than campus recruitment							
	Entrepreneurship/Self-employment							
30.	Details of Infrastructural facilities							
	i	Library			2070 books			
	ii	Internet facilities for Staff & Students			Yes			
	iii	Class rooms with ICT facility			Yes			
	iv	Laboratories			Language lab - 1			
31.	Number of students receiving financial assistance from college, university, government or other agencies							
	Name of the scholarship		Funding Agency			No: of students		
	Post Metric, Suvarna Jubilee, OBC, OEC, SC/ST		Government			2009-10	30	
2010-11						48		
2011-12						38		
2012-13						40		
2013-14						32		
2014-15						60		
32.	Details on student enrichment programmes (special lectures / workshops /seminar) with external experts							
	Resource person		Program				Date	
	Dr. Alexander Jacob. IPS. Dr. KalyaniVallath		Spectrum seminar series				04-11-2009	
	Shri. SebinIqbal		Spectrum seminar series				06-01-2012	
	Dr.P.P.Ajayakumar		Spectrum seminar series				22-03-2013	
	Dr. Meena .T. Pillai		Spectrum seminar series				18-03-2014	

33.	Teaching methods adopted to improve student learning <ol style="list-style-type: none"> 1. NET coaching for II PG students by NET qualified staff of the Department. 2. Microteaching practice given to Final Year Degree students 3. Remedial Teaching 4. Counselling given to individual students under the tutorial system
34.	Participation in Institutional Social Responsibility (ISR) and Extension activities <ul style="list-style-type: none"> • The Degree students of the Department have initiated and are actively involved in the social welfare programmes like ABCD (Anybody Can Do) visiting institutions like old age homes, mentally challenged, palliative care- and offering financial assistance and imparting moral and emotional support. • Students and faculty are actively involved in social extension activities like Blood donation camps.
35.	SWOC analysis of the department and Future plans
	<p>Strength</p> <ul style="list-style-type: none"> • Syllabus update to the requirements of times • Prompt conduct of internal examinations • Audio-visual-aided teaching method • Well equipped Language Lab • Well qualified faculty. 71% of permanent faculty has research degrees and the rest have B.Ed and NET qualification. • The faculty has publications, and presentations and participations in national & international conferences. • Conducts inter-disciplinary student research • Equipment like OHP to show films to students • Study material support to financially backward student • UGC NET coaching for PG students • Individual special care to academically weak PG students • Micro teaching by PG students • Remedial classes • Scary Theatre involving student exposure to the experience of film making and developing theatrical talents • Successful conduct of UGC sponsored national seminar on “Representations of Subalternity in Indian Cinema: Issues and Challenges in a Globalised India”. <p>Weakness</p> <ul style="list-style-type: none"> • Too vast syllabus • Too high student strength to give individual care and assessment, especially in language classes. • Insufficient exposure to research activities. • The inconvenient attach of the department library with the general library • Lack of proper conveyance for students hailing from remote and rural places <p>Opportunities</p> <ul style="list-style-type: none"> • Exposure to various other disciplines • Development of interest in social activities • Better options for higher studies • High scope for students’ entry into the world of Media, Films and Entertainment providing job opportunities • Development of students’ aptitude in prospective research • Opportunities given to students to exhibit their talents in performing arts and cultural activities <p>Challenges</p> <ul style="list-style-type: none"> • Time constraint and incompatibly vast syllabus • Loss of working days due to unforeseen harthals and student politics. • Shortage of permanent faculty

	<ul style="list-style-type: none">• Low calibre of students at entry point
	<p>Future Plans</p> <ol style="list-style-type: none">1. International Collaborations, both by faculty and students.2. Upgrading the Department as a Research Centre.3. Offering MPhil courses in English along with other Inter Disciplinary Programmes.4. Translating the works of Sree Narayana Guru into English and initiating research activities based on them.

DEPARTMENT OF MALAYALAM

1.	Name of the Department		Malayalam				
2.	Year of Establishment		1964				
3.	Names of Programmes / Courses offered		UG				
4.	Names of Interdisciplinary courses and the departments/units involved		Name			Depts. involved	
			Nil, as the BA Malayalam course has got approval recently			--	
5.	Annual/ semester/choice based credit system		Second Language course of the CBCSS-UG programmes of other departments				
6.	Participation of the department in the courses offered by other departments		Nil				
7	Courses in collaboration with other universities, industries, foreign institutions, etc.		Nil				
8.	Details of courses/programmes discontinued with reasons		Nil				
9.	Number of Teaching posts				Sanctioned		Filled
			Associate Professors		-		-
			Assistant Professors		3		3
10.	Faculty profile with name, qualification, designation, specialization						
	Sl. No	Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. Students guided
	1	Dr.S.Girijakumari	MA, PhD	Assistant Professor & HOD	Sociological criticism	26 yrs (including LWA for 11 yrs)	Nil
	2	Sini.V	MA (Mal), MA(Soci), MEd	Assistant Professor	Poetry,Criticism	2yrs& 1month	Nil
	3	Preetha.V.K	MA,BEd	Assistant Professor	Vyakaranam	1yr&6 month	Nil
11.	List of senior visiting faculty			Nil			
12.	Percentage of lectures delivered and practical classes handled(programme wise)by temporary faculty			Nil			
13.	Student -Teacher Ratio			UG		PG	
				1:60		-	
14.	Number of academic support staff (technical) and administrative staff; sanctioned and filled			1			
15.	Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.						
	Name			Qualification			
	Dr. S. Girijakumari Smt. Sini V. Smt. Preetha V.K.			M.A., Ph.D. M.A(Malayalam), M.A.(Sociology), M.Ed. M.A., B.Ed.			
	Guest Faculty		Nil				
16.	Number of faculty with ongoing projects		National			International funding agencies and grants received	
			Nil			Nil	
17.	Departmental projects		Nil				

18.	Research Centre /facility recognized by the University	Nil						
19.	Publications							
	Publication					National/ International		
	Dr.S.Girijakumari							
	1. <i>Kuttippuzha Krishnapillayude Sahityalokam, Vijnanakairali, 41, 2010</i> , State Language Institute					National		
	2. <i>Vikarathinte Sthanam Kavithayil, Logos,2, 2014</i>					National		
20.	Areas of consultancy and income generated			Nil				
21.	Faculty as members in International and National Committees, Editorial Boards etc.							
	Dr S.Girijakumari			Editorial Board Member of <i>Logos</i> (ISSN 2349-3836)				
22.	Student projects			UG		PG		
	Percentage of students who have done in-house projects including inter departmental/programme			Nil. The department offers only Second Language course to all UG programmes		Nil		
	Percentage of students placed for projects in organizations outside the institution			Nil		Nil		
23.	Awards / Recognitions received by faculty and students - Nil							
24.	List of eminent academicians and scientists / visitors to the department							
	Sl. No	Name	Designation			Date		
	1.	Prof.M.Chandrababu	Former Faculty, Famous writer, orator and critic			24-11-2014		
25.	Seminars/ Conferences/Workshops organized & the source of funding: The Departments of Malayalam and Hindi jointly conducted a Regional Seminar on Hindi Translation at Sree Narayana College, Chempazhanthy on 24-11-2014							
26.	Student profile programme/course wise:							
	Course	Year	Applications received	Selected	Enrolled		Pass %	University Ranks
					M	F		
27.	Diversity of Students							
	Name of course		% of students from the same state		% of students from other States		% of students from abroad	
	NA		NA		NA		NA	
28.	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil servicesetc.?			NA				
29.	Student progression							
		2009-10	2010-11	2011-12	2012-13	2013-14		
	UG to PG	NA as the UG programme in Malayalam has only been recently approved and not yet started						
30.	Details of Infrastructural facilities							
	i	Library				780 books		
	ii	Internet facilities for Staff & Students				Yes		
	iii	Class rooms with ICT facility						
	iv	Laboratories				No		
31.	Number of students receiving financial assistance - NA							

32.	Details on student enrichment programmes		
	Resource person	Program	Date and Year
	Prof.M.Chandrababu	One day Regional Seminar	24-11-2014
33.	Teaching methods adopted to improve student learning		
	Discussion methods, conducted seminars, give assignments, continuous evaluation methods like class tests, discussion on assignments, paper presentation, screen play with the help of scripts included in the syllabus.		
34.	Participation in Institutional Social Responsibility (ISR) and Extension activities		
	We conduct one act plays based on Social and ethical values, debate on Social issues, quiz competition based on Life and Vision of Sree Narayana Guru, invited talks etc. Dr.S.Girijakumari is the convener of Debate and Quiz club and also a member of the Library Advisory Committee. Smt.Sini V is the convener of Sree Narayana Study Centre. Smt. Preetha V.K. is the convener of Alumni Association.		
35.	SWOC analysis of the department and Future plans		
	<p>Strength</p> <ul style="list-style-type: none"> Contemporary issues are included in the syllabus like Translation, Fiction, Communication Well-qualified faculty with PhD and M.Ed., several presentations and publications to its credit. The department has a good library with books of novels, short stories, criticism and essays. One computer with printer is available. Teachers get a chance for proper evaluation of students through internal examinations, assignments and seminars. Teachers give them idea about future opportunities and career developments. Conducted seminars, discussions, speeches, moral classes on socially relevant topics <p>Weaknesses</p> <ul style="list-style-type: none"> Many irrelevant topics are also included in the syllabus Students as well as teachers do not get adequate time to finish the work No chance of e-learning No separate room for reading. Most of the students are financially weak. <p>Opportunity</p> <ul style="list-style-type: none"> The syllabus is useful in enhancing the linguistic skill and creativity of the students. <p>Challenges</p> <ul style="list-style-type: none"> Deficient time is a major challenge for completing portions and for conducting innovative practices. 		

DEPARTMENT OF HINDI

1.	Name of the Department		Hindi				
2.	Year of Establishment		1964				
3.	Names of Programmes / Courses offered		UG				
4.	Names of Interdisciplinary courses and the departments/units involved		Name			Depts. involved	
			Nil			Nil	
5.	Annual/ semester/choice based credit system		Second Language course of the CBCSS-UG programmes of other departments				
6.	Participation of the department in the courses offered by other departments		Nil				
7	Courses in collaboration with other universities, industries, foreign institutions, etc.		Nil				
8.	Details of courses/programmes discontinued with reasons		Nil				
9.	Number of Teaching posts					Sanctioned	Filled
			Associate Professors			-	-
			Assistant Professors			2	1
10.	Faculty profile with name, qualification, designation, specialization						
	Sl. No	Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. Students guided
	1	Dr. Mahesh S.	M.A. B.Ed, M.Phil, P.hD.	Assistant Professor	Computational linguistics, Translation	2 years	Nil
11.	List of senior visiting faculty			Nil			
12.	Percentage of lectures delivered and practical classes handled(programme wise)by temporary faculty			Nil			
13.	Student -Teacher Ratio			UG		PG	
				1:60		-	
14.	Number of academic support staff (technical) and administrative staff; sanctioned and filled			1			
15.	Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.						
	Name			Qualification			
	Dr. Mahesh S.			M.A. B.Ed, M.Phil, P.hD.			
	Guest Faculty		One				
	Gandhimathi S.		MA., Diploma in Language Education				
16.	Number of faculty with ongoing projects		National -One			International funding agencies and grants received	
			Minor research Project, UGC, Rs 1.45 lakhs			Nil	

		Hindi Adhyayan Adhyapan Ke Sandharbh Mem Ganana Moolak Bhasha Vignan (Computational Linguistics) Ek Adhyayan		
17.	Departmental projects	Nil		
18.	Research Centre /facility recognized by the University	Nil		
19.	Publications			
	Publication		National/ International	
	Dr.Mahesh S.			
	<i>K.L. Pole Ke Prathinidhi Kahaniyam</i> (Two Chapters), <i>Jawahar Pusthakalay Madhura</i> (U.P.), 2012, ISBN : 978-81-8111-231-6.		National	
	<i>Daivadasakam Ki Prasangikatha, Logos</i> , 2, 2014 (ISSN 2349-3836)		National	
	<i>Hindi Ke Adhyethaom Ka Dhyan Gananamoolak Bhasha Vigyan</i> (Computational Linguistics) <i>Ki Ore, Logos</i> , 2013		National	
	<i>Swami Vivekanand: Ek Desh Bhakth Nav Jagarankar Yuva Parivrajak, Keral Hindi Sahithya Akadami Shodh-Pathrika</i> , 2013		National	
	<i>Computer Anuvad (C.A.T. Thada M.T) Our Hindi Gananamoolak Bhasha Vigyan</i> (Computational Linguistics) <i>Ke Sandarf Mem, Keral Jyothi</i> , January 2013		National	
	<i>Hindi Mem Web Pathrakaritha, Keral Jyothi</i> , May 2011		National	
	<i>Agasthyacodu, Keral Jyothi</i> , Nov. 2010		National	
<i>Billi Marne Ka Thareeka, Keral Jyothi</i> , July 2010		National		
20.	Areas of consultancy and income generated	Hindi Translation		
21.	Faculty as members in International and National Committees, Editorial Boards etc.			
	Dr Mahesh S.	Editorial Board Member of <i>Logos</i> (ISSN 2349-3836)		
22.	Student projects		UG	PG
	Percentage of students who have done in-house projects including inter departmental/programme		Nil. The department offers only Second Language course to all UG programmes	Nil
	Percentage of students placed for projects in organizations outside the institution		Nil	Nil
23.	Awards / Recognitions received by faculty and students -			
	1	Keerthana Pradeep (III Psychology), Sinu (III Economics), Alaiga S. Nath (III Psychology)	Students got I Prize, and Trophy in Hindi Fortnight Celeberation by Government of India, Ministry of Home Affairs, Directorate of Census Operation, Kerala	18-09-2014
	2	Keerthana Pradeep (III Psychology), Sinu (III Economics), Alaiga S. Nath (III Psychology)	Students got II Prize, and Trophy in Hindi Fortnight Celeberation by Government of India, Ministry of Home Affais, Directorate of Census Operation, Kerala	11-09-2013
	3	Dr.Mahesh S.	Faculty recognised for Translating <i>Daivadasakam</i> in to Hindi by SNDP Unit, Pangappara	09-09-2014
	4.	Anjana K.S (I History)	Student got I Prize in College Level Hindi Daiva Dasakam recitation at Sivagiri Madam, Varkala	26-12-2014
	5.	Anjitha, (I B.Com)	Student got I Prize in College Level Hindi Daiva Dasakam recitation at Sivagiri Madam, Varkala	26-12-2014
24.	List of eminent academicians and scientists / visitors to the department			
	Sl. No	Name	Designation	Date
	1.	Prof. D.Thankappan Nair	Chief Editor, Keral Jyothi	24-11-2014

25.	Seminars/ Conferences/Workshops organized & the source of funding : The Departments of Hindi and Malayalam jointly conducted a Regional Seminar on Hindi Translation at Sree Narayana College, Chempazhanthy on 24-11-2014.						
26.	Student profile programme/course wise:						
	Course	Year	Applications received	Selected	Enrolled		Pass %
					M	F	
	NA	NA					
27.	Diversity of Students						
	Name of course		% of students from the same state		% of students from other States		% of students from abroad
	NA		NA		NA		NA
28.	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services etc.?			NA			
29.	Student progression						
		2009-10	2010-11	2011-12	2012-13		2013-14
	UG to PG	NA					
30.	Details of Infrastructural facilities						
	i	Library				695 books	
	ii	Internet facilities for Staff & Students				Internet Facility available	
	iii	Class rooms with ICT facility				Nil	
	iv	Laboratories				Nil	
31.	Number of students receiving financial assistance - NA						
32.	Details on student enrichment programmes						
	Resource person			Program		Date and Year	
	Prof. D.Thankappan Nair Chief Editor, <i>Keral Jyothi</i> Kerala Hindi Prachar Sabha.			Seminar on Anuvad Ki Samasyayem”		24-11-2014	
33.	Teaching methods adopted to improve student learning						
	Conduct Seminars, Continuous evaluation methods like Class Tests and Assignments						
34.	Participation in Institutional Social Responsibility (ISR) and Extension activities						
	We Conduct invited talks and debates on social issues. Dr. Mahesh.S is the Member of Sree Narayana Study Centre. Quiz Competition based on Life and Vision of Sree Narayana Guru are also conducted for students.						
35.	SWOC analysis of the department and Future plans						
	Strength <ul style="list-style-type: none">Dr. Mahesh. S translated <i>Daivadasakam</i> (Sree Narayana Guru’s Ten Hymns to God) from Malayalam to Hindi drawing national currency to the Hymns.The faculty is a PhD holder.One faculty is doing Minor Research Project. Weaknesses <ul style="list-style-type: none">Only one permanent faculty in the DepartmentNo UG or PG Course in Hindi Opportunity <ul style="list-style-type: none">Scope for introducing Hindi as a main subject. Challenges <ul style="list-style-type: none">Tight schedule under CBCSS system. Future Plans <ul style="list-style-type: none">To start UG course in Hindi						

DEPARTMENT OF HISTORY

1.	Name of the Department		History				
2.	Year of Establishment		1968				
3.	Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)		UG (1968)	PG (1982)		Ph.D (2010)	
			BA History	MA History		Research Centre	
4.	Names of Interdisciplinary courses and the departments/units involved		Name		Depts. involved		
			Empowerment of Women with Special Reference to India		English, Political Science, Economics, Psychology Sociology, Geology etc.		
5.	Annual/ semester/choice based credit system (programme wise)		UG		PG		
			CBCSS		Semester		
6.	Participation of the department in the courses offered by other departments		Students of the department participate in the Open Courses offered by the departments like English, Political Science, Economics, Sociology, Geology, Physical Education etc.				
7	Courses in collaboration with other universities, industries, foreign institutions, etc.		Nil				
8.	Details of courses/programmes discontinued with reasons		Nil				
9.	Number of Teaching posts		Associate Professor		Sanctioned		Filled
					5		5
			Assistant Professor		3		3
10.	Faculty profile with name, qualification, designation, specialization						
	Sl. No	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
	1.	Dr. Lekha. K. Nayar	M.A., Ph.D	Associate Professor	Modern Indian History	30	5
	2.	Dr. A.P Greeshmalatha	M.A. M.Phil, Ph.D	Associate Professor	Ancient History and Archaeology	19	2
	3.	Dr. Praseetha NC	M.A, M. Ed, Ph.D	Assistant Professor	Social history of India	19	Nil
	4.	Dr. G. Sreenivasan	M.A. M.Phil, Ph.D	Associate Professor	Social History	19	2
	5.	Sri. R. Sasi	M.A, M.Phil, B Ed	Associate professor	Social History	19	Nil
	6.	Dr. A. Shaji	M.A, Ph.D, B. LISC.	Associate Professor	Social History of Modern Kerala	17	8
	7.	Dr. S.R. Saritha	M.A., B. Ed, M.Phil, Ph.D.	Assistant professor	Economic History of India	1 year and 5 months	Nil
	8.	Smt. Shyma Jacob J.R.	M.A., B. Ed, M.Phil	Assistant professor	Social History	1 year and 5 months	NA
11.	List of senior visiting faculty		Nil				
12.	Percentage of lectures delivered and practical classes handled(programme wise)by temporary faculty		UG		PG		
			0		0		
13.	Student -Teacher Ratio (programme wise)		UG		PG		
			1:60		1:6		

14.	Number of academic support staff (technical) and administrative staff		UG		PG	
			sanctioned	filled	sanctioned	filled
			1	1		
15.	Qualifications of teaching faculty					
	SL.No	Name	Qualification			
	1.	Dr. Lekha. K. Nayar	M.A., Ph.D.			
	2.	Dr. A.P Greeshmalatha	M.A. M.Phil, Ph.D.			
	3.	Dr. Praseetha N.C.	M.A, M.Ed, Ph.D			
	4.	Dr. G. Sreenivasan	M.A. M.Phil, Ph.D.			
	5.	Sri. R. Sasi	M.A, M.Phil, B Ed.			
	6.	Dr. A. Shaji	M.A, PhD, B LIsc.			
	7.	Dr. S.R. Saritha	M.A., B.Ed, M.Phil, Ph.D.			
	8.	Smt. Shyma Jacob J.R	M.A., B.Ed, M.Phil.			
Guest Faculty			Nil			
16.	Number of faculty with ongoing projects from					
	a) National funding agencies and grants received: One b) International funding agencies and grants received: Nil					
17.	Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received					
	Major Projects					
	Sl.No	Name	Title	Funding agency	Duration (years)	Amount
	1.	Dr.A.Shaji	Alcoholism in Kerala and its Social Impact among the Marginalised Classes: A Study in Historical Perspective	UGC	2 and half years	Rs. 7,20,200
	Minor Projects					
	Sl. No.	Name	Title	Fundin g agency	Duratio n (years)	Amount
	1.	Dr. Greeshmalatha A.P.	Indigenous Craft, Art, Technology, Relative Customs and Tradition – A Case Study of Aranmula	UGC	18 months	Rs. 60,000/-
	2.	Dr. G. Sreenivasan	Social Mobility; Subaltern Strategies: Honorific Titles and Social Elevation among the “Avarnas” in Travancore	UGC	2 years	Rs. 40000/-
	3.	Dr.A.Shaji	Conversion Movement in Kerala	UGC	2 years	Rs. 40000/-
	18.	Research Centre /facility recognized by the University				
Sl No		Research Guide	Research scholars at present	Topic		
1.		Dr. Lekha. K. Nayar				
		1. Vivek Varghese -Historicizing Psychiatric Practices: A Reading of Early Lunatic Asylums in Colonial Kerala 1866-1947 2. Sreepriya S P - EMS Namboodiripad as a Historian- A Critical Re-reading 3. Bini T K - Historicizing Independent Travancore Imbroglio 4. Nikil M C - Conceptualizing Media Interventions in Dalit Agitations 5. Binnie Mathew - Second World War and Travancore: A Historical Interrogation				
2.		Dr. G. Sreenivasan				
		1. P. Sujeesh Kumar Initiation and Assimilation of Homeopathy in Kerala: A Historical Interrogation				

	2. A.W. Giftson - Historicizing the Activities of the London Missionary Society- Parasala and Social Change in South Travancore
3.	Dr. A. Shaji
	1. Anish.V.D - Trade in Diplomacy in Kerala- A Study on European Trade Relations with Ali Rajas of Cannanore 2. Dibu Avirachan - Present Migration and its Ecological Transformation in Idukki district: A Historical Interrogation 3. Harikrishna Prasad - Industrialization-Growth and Modernity - the Travancore Experience (1800- 1948 AD) 4. Thomas.P.John - Situating the Malankara Syrian Catholics in the Socio- Political Milieu of Modern Kerala- 1930- 1994. 5. Sani.K.P. - Relooking the Anti- British Agitation of Kurichiars of Wayanad 6. Umeshmani.M.- Historicising the Malabar Special Police (1884-1956) 7. Koshy Mathai - Historicising the Activities of Marthoma Church in Travancore 8. Sajeer S- Social Forestry in Kerala: A Study in Historical Perspective
4.	Dr Greeshmalatha A.P
	1. Sanitha Beevi A- Re- reading of Kanikkars in Thiruvananthapuram Distrct - A Quest from Tribalism to Modernity 2. Daisin. R- Re-reading the Works of Sree Narayana Guru and its Reflections to the Present Society
19.	Publications
	Dr. Lekha K. Nayar
	a) National
	1. "K.M.Panikkar's Readings on Malabar and the Portuguese Empire", Journal of Kerala Studies, 2012 , Dept of History, University of Kerala
	2. "Sardar K. M. Panikkar's Historiography and Practice" in Historiography: Structure and Practice, Edited by Dr. Suresh Jnaneswaran, Thiruvananthapuram, 2010 .
	3. "A Novelist in the Historian", Journal of Kerala Studies, 2008 , Dept of History, University of Kerala
	4. "Sardar K.M. Panikkar's Readings on Kerala History", Journal of Kerala Studies, 2007 , Dept of History, University of Kerala
	5. "Sardar K.M.Panikkar- The Historical Novelist", Souvenir of Institute of Historical Studies, Calcutta, 1993 .
	b) Regional
	1. "A Peep into Sardar K. M. Panikkar's Works on Indian History", Historia, 1 , 2007 , PG Department of History, Sree Narayana College, Chempazhanthu
	Dr. Greeshmalatha A. P
	a) International
	Trade and markets in Kerala as gleaned in the Manipravalam texts C. 13th to the 15th Century A.D". <i>Proceedings of the International Congress in Kerala Studies</i> . Vol. 3, AKG Centre for Research & Studies, Thiruvananthapuram, p.20.
	b) National
	1. "Different Styles and Designs of Kerala Vessels", Exercises in Modern Kerala History, edited by Dr. K. N. Ganesh, (Historical Study), NBS Kottayam, 2012 . pp. 32-49.
	2. "Snake boats - the battleships of medieval Kerala" <i>India's Naval Traditions</i> , Edited by Dr. K.K.N. Kurup. Northern Book Centre, New Delhi 1997 , ISBN 81-7211-083-9 pp.82-86.
	3. "The Race boats of Kerala & their tradition - Some observations" <i>Ship building and Navigation in the Indian Ocean Region A.D. 1400-1800</i> . Edited with an introduction by K.S. Mathew and published by Munshiram Manoharlal Publishers Pvt. Ltd. New Delhi, 1997 , ISBN 81-215-0739-1 pp.55-61
	4. "The ship building Technology as practised in Beypore, Kerala" <i>Ship building and</i>

		<i>Navigation in the Indian Ocean Region. A.D. 1400-1800.</i> Edited with an introduction by K.S. Mathew published by Munshiram Manoharlal Publishers Pvt. Ltd. New Delhi, 1997 , ISBN 81-215-0739 pp.44-54.
5.		“Kattamaram in South Kerala: A study of Constructional techniques”, Indian Journal of History of Science, 30, 1995 , Indian National Science Academy, New Delhi
6.		“An analysis of different types of traditional coastal vessels along the Kerala Coast”, Journal of Marine Archaeology, 4, 1993 , NIO, Goa
7.		“Aspects of urbanisation in Medieval Kerala”, Proceedings of the Indian History congress, 54 th Session, 1993 , Mysore University
8.		“Trade routes in medieval Kerala as reflected in the Sandesakavyas”, Proceedings of the Indian History Congress, 52 nd session, 1991 University of Delhi
b) Regional		
1.		“Chanta – A Developed System Of Primitive Exchanges”, Logos, 2014 , Sree Narayana College, Chempazhanchy, Thiruvananthapuram
2.		“Sree Narayana Guru and the Uplift of Human Dignity among the Subaltern Groups of Modern Kerala”, Logos, 2013 , Sree Narayana College, Chempazhanchy, Thiruvananthapuram
3.		“Technological Expertise As Practised At Aranmula”, Proceedings of South Indian History Congress, 33 rd Annual Session, 2013 , University of Kerala
4.		“Kulamukku Kutirachettikalum Mattu Vanika Sangangalum Madhyakala Keralathil”, Vinjanakairali (Malayalam), 43, 2012 , State Institute of Languages, Nalanda, Thiruvananthapuram
5.		“Horse Trade of Malabar and Kutirachettis of Kulamukku”, Proceedings of South Indian History Congress (Economic History Section), 32 nd Annual Session, 2012 , University of Madras
6.		“Attanis, Tannirpantal, Kanjipuras: Historical Enquiries of Pre- Colonial South Malabar”, Journal of South Indian History, 3 , 2011 , University of Calicut
7.		“Different Types of Crafts Seen Along Kerala Coast”, Historia, 3 , 2011 , Post Graduate Dept. of History & Research Centre, Sree Narayana College, Chempazhanchy
8.		“Vallamkaliyude Charitram”, Gramajyothi, 1998 , Samkarika Nilayam Publications
9.		“Keralavum Greco-Roman Vanijyabandavum”, Samskarakeralam, 1997 , quarterly, Dept. of Cultural Publications
10.		“Kulamukku Keralacharithravum”, Desabhimani Weekly (Malayalam), 1992 , Chinta Publishers
11.		“Archaeological Find”, Indian Express, Kozhikode Edition, 1992 , Indian Express Group
Dr. N.C. Praseetha		
a) National		
1.		“Reflections On Women’s Education In Malabar – Problems And Transitions”, Journal of Kerala Studies, 2007 , University of Kerala
2.		“Liberation through Education Basel Evangelical Mission as Champions of Female Education in Malabar”, Proceedings of the 33 rd session of the South Indian History Congress, 2013 .
3.		“Malabar Women in National Movement” Proceedings of the 30 th session of the South Indian History Congress, 2010 .
Dr. G. Sreenivasan		
a) National		
1.		“Social mobility, subaltern strategies: honorific titles and social elevation among the ‘avarnas’ in Travancore”, Journal of Kerala Studies, 2010 .
2.		“Illam Practice of the Ezhavas: Strategy of Social Elevation”, Journal of Kerala Studies, 2007 .
3.		“Dalit Marginality and Resistance: A case study of Tamil Nadu”, Journal of Indian History, 2007 .
4.		“Saiva Guru Enathi Natha Nayanarum Ezhava Navothanathinte Thudakkavum”, Vijnana Kairali, 38 , 2007 , Kerala Bhasha Institute

Dr. A. Shaji						
National						
	1.	“Colonial Legacy of Alcoholism in Kerala”, Proceeding Volume of the National Seminar conducted in St. Cyril’s College, 2011 ,				
	2.	“Alcoholism in Kerala and the Organised Violation of Human Rights of Women”, Historia,3, 2011 , Dept. of History, S.N college, Chempazhanchy				
	3.	“Agitations for Social Justice in Travancore: The Lead of Thariath Kunjithomman”, Journal of Kerala Studies, 2010 , Dept. of History, University of Kerala				
	4.	“Buddhist Answer to the problem of Global Warming”, Journal of Indian History, , 2010 , Dept. of History, University of Kerala				
	5.	“Alcoholism in Kerala and its Social Consequences”, Holistic Thought, 9, 2010 , S.N College, Kollam				
	6.	“For the Cause of Self Image”, Indian Historical Studies,5, 2009 , St. Joseph’s College, Trichinapalli				
	7.	“Reflections of community Assertions in the Civic Rights Movement”, Journal of Kerala Studies,35, 2008 , Dept. of History, University of Kerala				
	8.	“Politicisation of Castes in the Struggle for Responsible Government”, Historia, 11 , 2008 , Dept. of History, S.N College, Chempazhanchy				
	9.	“Nationalism Vs Communalism”, Journal of Kerala Studies, 25 , 2007 , Dept. of History, University of Kerala				
	10.	“Conversion Threat in Travancore: Its Social Implications”, Historia, 1 , 2007 , Dept. of History, S.N College, Chempazhanchy				
	11.	“Dimensions of Social Protest in Travancore”, Indian Historical Studies, 3 , 2007 , St. Joseph’s College, Trichinapalli				
	12.	“Non Alignment Movement: An Evaluation”, VinjanaKairali, 2004 , Kerala Bhasha Institute				
Smt. S.R. Saritha						
National						
	“Recapitulation of the Early days of Railways In India.”, Journal of Indian History, 2011 , Dept of History, University of Kerala,					
Smt. Shyma Jacob J.R.						
National						
	“Making History: Archives The Historian’s Workshop”, Journal of Kerala Studies, 2011 , Dept of History, University of Kerala					
20.	Areas of consultancy and income generated		Nil			
21.	Faculty as members in International and National Committees, Editorial Boards					
	Dr. Lekha K Nayar,		1. Chief Editor, <i>Historia</i> , ISSN 2277-6400 2. Editorial Board Member, <i>Logos</i> ISSN 2349-3836			
22.	Student projects					
			UG		PG	
	Percentage of students who have done in-house projects including inter departmental/programme		After the introduction of CBCSS 100% of students have undertaken project works		100%	
	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies		Nil		Nil	
23.	Awards / Recognitions received by faculty and students					
	Sl. No	Name	Faculty/ Student	Awards/Recognition	Awarding Body	Year
	1	Dr. Saritha S.R	Asst. Professor	Best Paper Award	Association of Third World Studies. South	26-28 April

				(Presentation)	Asia Chapter International Seminar	2012
	2	Smt. Shyma Jacob J.R	Asst. Professor	Best Paper Award-II (Presentation)	Association of Third World Studies, South Asia Chapter International Seminar	26-28 April 2012
24.	List of eminent academicians and scientists / visitors to the department					
	Sl. No	Name	Designation	Topic	Date	Year
		Dr. MM. Khan	Head, Dept of History, Govt Women's College, Thiruvananthapuram	Appropriating Specificities- Constrictions of Available Historiographies	3-11-2009	2009-2010
		Dr. T.P. Sankarakutty Nair	Former Head, Dept of History, University College, Thiruvananthapuram	Cheras of Mahodayapuram	13-12-2011	2011-2012
		Dr.P.Rajendran	Archaeologist and UGC Scientist, University of Kerala	Geo-Archaeological Investigations in Kerala Since 1974	22-3-2013	2012-2013
		Dr. Muhammed Maheen	Head, Dept of History, University of Calicut	Myth, Memory and Locality- Writing History at Micro Level	18-3-2014	2013-2014
		Dr. Suresh Jnanaswaran	Professor and Head, Department of History, University of Kerala	Reflections on Communalism in India: Past and Present	21-08-2014	2014-2015
		Dr. V. N. Rajasekharan Pillai	Former Chairman, UGC	Higher Education In Kerala	09-12-2014	2014-2015
		Dr. J. V. Vilanilam	Former Vice Chancellor, University of Kerala	Higher Education In Kerala	09-12-2014	2014-2015
25.	Seminars/ Conferences/Workshops organized & the source of funding National/International					
	Sl.No	Type of Programme	Title of Programme	Period	Funding Agency	Amount utilized
	1.	National Seminar	Swami Vivekananda and Indian Resurgence: Nation and Beyond	To be held in February, 2015	UGC	Rs. 110000
	2.	National Seminar	Reflections on Communication in India: Past and Present	21 - 22 August 2014	UGC	Rs. 120000
	3.	National Seminar	Understanding the Environmental History of India : Relooking Environment protection in the context of global warming and climate change	21-22 March 2012	UGC	Rs. 110000
	4.	Training programme	Human Rights in Kerala	2012	National Human Rights	Rs. 50000

					Commission, New Delhi			
	5.	Regional Seminar	Higher Education in Kerala since Independence: Issues and Challenges	9 – 10 Dec, 2014	UGC		Rs. 80000	
	6.	Regional Seminar	Socio- Political agitations in Modern Travancore	7-12-2009 to 8-12-2009	UGC		Rs. 60000	
26.	Student profile programme/course wise:							
	Course	Year	Applications received	Selected	Enrolled		Pass %	University Ranks
					M	F		
	UG	2009-2010	975	92	40	52	95	
		2010-2011	976	74	24	50	82	
		2011-2012	1101	68	26	42	64	
		2012-2013	2908	72	28	44	80	
		2013-2014	2855	72	25	47	75	
	PG	2009-2010	138	13	7	6	100	
		2010-2011	147	6	1	5	96	Third rank: Asha L Ravi
		2011-2012	107	12	4	8	100	
		2012-2013	444	12	1	11	92	
		2013-2014	456	16	6	10	100	
27.	Diversity of Students							
	Name of the Course		% of students from the same state		% of students from other States		% of students from abroad	
	MA History		100		0		0	
	BA History		100		0		0	
28.	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?				NET: 3 students cleared			
29.	Student progression							
			2009-10	2010-11	2011-12	2012-13	2013-14	
	UG to PG		6	3	2	6	11	
	PG to M Phil		1	1	--	1	--	
	PG to Ph.D.			1				
	Employed - Campus selection		3	1	1	1	--	
	- Other than campus recruitment		8	8	7	3	3	
30.	Details of Infrastructural facilities							
	i	Library			3220 books			
	ii	Internet facilities for Staff & Students			Yes			
	iii	Class rooms with ICT facility			Yes			
	iv	Laboratories			No			
31.	Number of students receiving financial assistance from college, University, government or other agencies							
	Name of the scholarship		Funding Agency			No: of students		
	Suvarna Jubilee, SC/ST,		Government.			2009-2010: 79		
2010-2011: 113								

	OBC, KPCR		2011-2012: 88
			2012-2013: 61
			2013-2014: 71
			2014-2015: 167
32.	Details on student enrichment programmes (special lectures / workshops /seminar) with external experts		
	Resource person	Program	Date &Year
	Smt. A Sajna Assistant Professor, Department of History, University of Kerala	Special Lecture in connection with the commemoration of Temple Entry Proclamation	12-11-2014
	Sri. Radhakrishna Vaidik. Scholar in Vedanta	Special Lecture on Daivadasakam of Sree Narayana Guru	05-11- 2014
	Dr. P.F. Gopakumar Head, Dept of History, University College, Thiruvananthapuram	Special Lecture on Local History	16-08-2013
33.	Teaching methods adopted to improve student learning		
	Seminar Method-Discussion Method- Assignments-Lectures-Test Papers, etc.		
34.	Participation in Institutional Social Responsibility (ISR) and Extension activities		
	NSS Programme officers: Sri. R. Sasi, Dr. A. Shaji NCC Commanding Officer : Major Dr. S. Sethulekshmi Performing Arts Club: Dr. Lekha K. Nayar People's Planning Programme: Dr. Greeshmalatha A. P. Innovative Programme of IQAC- Understanding Sree Narayana: The Apostle of Oneness: Convenor, Dr. Greeshmalatha A. P.		
35.	SWOC analysis of the department and Future plans		
	Strengths <ul style="list-style-type: none"> Highly qualified faculty- Six holding Ph.D, four having NET and four M.Phil Degree holders and 1 M. Ed. Four teachers availed FIP for doctoral degree Two served as resource persons Members of the faculty are Conveners of various clubs in the college Recognised research centre of the Kerala University Four faculty members are research guides Attends and presents papers in regional, national and international seminars regularly Publishes articles in recognised journals One major and two minor research projects completed Membership in various academic bodies. Participation and Contribution in the workshops of PG and UG syllabus revision Publishes annual research journal <i>Historia</i> Organises interdepartmental programmes Arranges talks by eminent personalities Have collaborations with KCHR, Archives, Dept of History, University of Kerala in academic matters Offered NET coaching facilities Arranges study tours to places of historical importance Participation in curricular and extracurricular activities Achievements in sports, games, NCC and NSS Won national and international acclaim in cycling, swimming and hockey 		

- Participation in interdepartmental and university level quiz competitions and arts fests
- Cordial and healthy student teacher rapport
- Arrangement of remedial classes for weak students
- Good results
- Strong Alumni-Heritage
- Pursue higher studies
- Placed in various government and private institutions
- Qualified NET
- Library with more than 3000 books

Weaknesses

- Lack of proper infrastructure
- Need of a reading room
- Shortage of computers
- Unscientific Student-teacher ratio
- Poor socio economic and academic background of students
- Poor communication skill of the students
- Considerable number of dropouts

Opportunities

- Courses offered at the UG and PG level enable students to acquire adequate skills
- Research aptitude developed through the project work
- Grading and semester system ensures realistic assessment of learner's capabilities
- New papers included in the revised UG and PG syllabus enable to meet the challenges of changing times

Challenges

- Majority of the students come from poor socio economic and academic background, hence they are reluctant to come forward to make use of the opportunities before them.
- Within the short time span of the semester system, it is difficult to impart in-depth knowledge in various subjects

Future Plans

- To set up a Historical Museum
- To form an association of former teachers of the department.

DEPARTMENT OF POLITICAL SCIENCE

1.	Name of the Department		Political Science					
2.	Year of Establishment		1981					
3.	Names of Programmes / Courses offered		UG		PG		Ph.D	
			BA Political Science		Nil		Nil	
4.	Names of Interdisciplinary courses and the departments/units involved		Name			Depts. involved		
			Open Course – Human Rights In India			Social Science & Science Departments		
5.	Annual/ semester/choice based credit system		UG - CBCSS					
6.	Participation of the department in the courses offered by other departments		Open Courses offered by other departments					
7	Courses in collaboration with other universities, industries, foreign institutions, etc.		Nil					
8.	Details of courses/programmes discontinued with reasons		Nil					
9.	Number of Teaching posts		Sanctioned Post				Filled	
			4		Associate Professors		1	
					Assistant Professors		1	
10.	Faculty profile with name, qualification, designation, specialization							
	Sl. No	Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. Students guided for the last 4 years	
	1	Dr. P.S. VijayaNatharaj	M.A, MHRD, Ph.D	Associate Professor	Human Rights	20	2	
	2.	Sreenish T. V	M.A, M.Phil	Assistant Professor	Indian Politics	2	--	
	3.	ChristinSoloman (Guest Lecturer)	M.A , M. Phil	Guest Lecturer	Public Administration	1	--	
	4	Preethi G.S (GuestLecturer)	M. A	Guest Lecturer	Political Philosophy	1	--	
11.	List of senior visiting faculty			Nil				
12.	Percentage of lectures delivered and practical classes handled(programme wise)by temporary faculty			40%				
13.	Student -Teacher Ratio			UG - 1:40				
14.	Number of academic support staff (technical) and administrative staff; sanctioned and filled			Sanctioned		filled		
				Nil				
15.	Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.							
	Name			Qualification				
	Dr. P S VijayaNatharaj			Ph. D				
	Sreenish T V			M.Phil				
	Guest Faculty							
	ChristinSoloman			M.Phil				

	Preethi G. S	M. A
16.	Number of faculty with ongoing projects from National funding agencies and grants received	
	Name of Faculty /Department	Major /Minor
		Topic
		Details of the grant
		Funding Agency
		Amount
	Mr.Sreenish. T.V.	Minor
		Impact of Non Timber Forest Products on the socio-economic conditions of Kanikkaras Life: A Study on the Kanikkarrs at Agasthyimalai Forest Region.
		UGC
		Rs. 89000
	International funding agencies and grants received	
	Nil	
17.	Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received	One , 89000 (UGC)
18.	Research Centre /facility recognized by the University	Nil
19.	Publications	
	Dr. P S VijayaNatharaj	
	1. Right to Self Determination of the People: The case of Kosova, University College Journal of Political Science (UCJPS), Trivandrum 2009.	
	2. Lok Sabha Elections- 2009: Keralas Experiences, Holistic Thought, Kollam, 2009.	
	3. Roots of Human Rights Principles; A Scan of Sacred Text (A Chapter in Edited Book Kalpaka Publications) New Delhi 2011.	
	4. Heroes of the Early Christianity in Travancore, Souvenir - Kripa 2012, Thiruvananthapuram	
	5. Electoral Reforms in Human Rights Perspective (A Chapter in Edited Book Kalpaka Publications New Delhi 2012	
	Dr. L Thulaseedharan	
	1. Bio – Diversity Conservation; The need for the survival, Holistic Thought 2012.	
	2. Mahatma Gandhi who Preached for Nature and Lived For Natural (A Chapter in Edited Book Understanding the Environmental History of India, 2012.)	
	Prof. N. R Vineetha	
	1. Sustainable Development and Panchaythiraj Institutions, PRAGATHI, 2010.	
	2. Prasntyo Kumar ChatterjiisDr.Shyama Prasad Mukharjee and Indian Politics(Book Review) PRAGATHI, 2011.	
	Sri .Sreenish TV	
	1. Return of Politics <i>LOGOS</i> 1(2) 2013 (ISSN 2339-3836)	
20.	Areas of consultancy and income generated	Nil
21.	Faculty as members in National committees, International Committees , Editorial Boards	
	Dr Vijayanatharaj is an Editorial board member <i>Logos</i> (ISSN 2349-3836)	
22.	Student projects	
		UG
		PG
	Percentage of students who have done in-house projects including inter departmental/programme	40%
	Percentage of students placed for projects in organizations outside the institution i.e.in Research	60%

	laboratories/Industry/ other agencies								
23.	Awards / Recognitions received by faculty and students								
	Sl. No	Name	Faculty/ Student	Awards/Recogniti on	Awarding Body	Year			
	1	AthiraMohanan	Student	State Mountain Bike Championship (Gold Medal)		2013			
	2	Alex. A	Student	Participated in Common Wealth Games		2010			
	3	Jithesh Kumar	Student	100 race (Gold Medal 1 st Price	Inter University Meet	2013			
	4	Nandu S S	Student	Sub Junior ”Mr. Trivandrum” Title Winner		2012			
24.	List of eminent academicians and scientists / visitors to the department								
	Sl. No	Name	Designation				Date		
	1	T. P Sreenivasan	Former Ambassador USA				2006		
	2	Dr. G. Gopakumar	Prof. & Head , Political Science, University of Kerala2007				2007		
	3	Dr. V. N Viswnathan	HoD, Political Science, Presidency College Chennai				2010		
	4	Dr. P. J Alexander, IPS	DGP of Kerala (Retired)				2010		
	5	Dr.AchuthSankar	Director, Bio Informatics University of Kerala				2010		
	6	Prof. R Prakasan	IMG, Kerala				2010		
	7	Dr. J Prabhash	Pro Vice-Chancellor, University of Kerala				2010		
	8	Hon’ble Justice J B Koshy	Chairman, State Human Rights Commission				2012		
	9	Padmasree Prof. N R MadhavaMenon	Former Vice-Chancellor, National University of Jurisprudence Sciences, Kolkata				2012		
	10	Dr. B L. Biju	Dept. Of Political Science, Central University Hyderabad				2012		
	11	Dr. K Sreekumar	Asso. Prof. (Rtd)				2014		
	25.	Seminars/ Conferences/Workshops organized & the source of funding - National International							
Sl. No		Type of Programme	Title of Programme		Period	Funding Agency	Amount utilized		
1		National Seminar	E-Governance: Challenges and Opportunities		Two Days	UGC	Rs. 75000		
2		Regional Seminar	Electoral Reforms: Challenges Ahead		One Day	IIPA – KB*	Rs. 10000		
26.	Student profile programme/course wise:								
	Course		Year	Applicatio ns received	Selected	Enrolled		Pass %	University Ranks
	BA					M	F		
			2009	754	66	21	45	42	Nil
			2010	651	54	21	33	41	Nil
			2011	781	54	18	36	63	Nil

		2012	2376	54	16	38	73	Nil
		2013	2367	52	20	32	86	Nil
		2014	3376	54	15	39	82	Nil
27.	Diversity of Students							
	Name of the Course	% of students from the same state		% of students from other States		% of students from abroad		
	BA Political Science	100		Nil		Nil		
28.	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?			Nil				
29.	Student progression							
		2009-10	2010-11	2011-12	2012-13	2013-14		
	UG to PG	3	4	3	6	8		
	PG to M Phil	1						
	- Other than campus recruitment	5	4	3	5			
30.	Details of Infrastructural facilities							
	i	Library		1400				
	ii	Internet facilities for Staff & Students		Yes				
	iii	Class rooms with ICT facility		One				
	iv	Laboratories		Nil				
31.	Number of students receiving financial assistance from college, university,government or other agencies							
	Name of the scholarship		Funding Agency		No: of students			
	University Merit		University		2009 -- 2 2010 -- 1 2012 -- 1			
	Post Metric Scholarship		Kerala Government		2013 -- 3			
	National Acquire Fellowship		Kerala Government		2013 -- 1			
	Kerala State Suvarna Jubilee Merit Scholarship		Kerala Government		2009 --2 2011 --2 2013 --1			
32.	Details on student enrichment programmes (special lectures / workshops /seminar) with external experts							
	Resource person		Program		Date & Year			
	Dr.T. P Sreenivasan		Spectrum seminar series		09.11.2009			
	Hon`ble Justice J B Koshy		Seminar on Role of Youths in the Protection of Human Rights		16.02.2012			
	Padmasree N. R MadhavaMenon		Seminar on Corruption and Civil Society in India		13-01-2012			
	Dr.Biju B. L		Spectrum Seminar Series		13.01.2012			
	Dr.K. Sreekumar		SpectrumSeminar Series		21.03.2014			
	Dr. M Veeramanikandan		Retirement Function of Prof. S Sisubalan		13-03-2014			
33.	Teaching methods adopted to improve student learning							
	1. Black Board							
	2. ICT & Smart Class Room							
	3. Discussion on Contemporary Issues							

34.	Participation in Institutional Social Responsibility (ISR) and Extension activities
	<ul style="list-style-type: none"> • Human Rights Awareness Classes in Nearby Schools
35.	SWOC analysis of the department and Future plans
	<p>Strengths</p> <ul style="list-style-type: none"> • The flexible and progressive curriculum content of the CBCSS • Sufficient co-curricular and research oriented components of the syllabus • Faculty with research and research guide experience with two Ph.D production • Good library and ICT support • 'Ulkazhcha' the Manuscript magazine of the department. • One teacher is doing minor research project <p>Weakness</p> <ul style="list-style-type: none"> • Time constraint for in depth teaching • Unscientific grading system makes proper evaluation impossible • Limitations of the UG department in providing research orientation to students • Lack of individual computer to students • Lack of separate reading room • No newspaper provided to the department • Most students are financially weak. Only a few students are getting scholarships • Time and financial constraints block introduction of innovative practices <p>Opportunity</p> <ul style="list-style-type: none"> • wide areas of placement opportunities and field of activity: market research, social surveys, politics, social activities, administrative chances, NGO, regional organisations, the UN etc • The project in the final year improves the students' confidence in taking up research activities and in establishing social and official contacts • The use of ICT support makes the students efficient in computer operating system by virtue of which they may get good placement. <p>Threats</p> <ul style="list-style-type: none"> • Unlike the other parts of India, Kerala society gives more importance to science education, particularly engineering and medical field, posing threat to all social science subjects. • It is rather difficult to locate the most meritorious students. The grading system widens quantity, not quality. • Students are mainly concerned with job in government departments or in teaching field, but not in the research field. • Financial backwardness of students force them to take up part-time jobs, causing loss of interest in studies. • Lack of money and time prevents the implementation of more innovative practices. <p>Future</p> <ul style="list-style-type: none"> • Plan to upgrade to PG Course • To Collaborate with Institute of Parliamentary Affairs, Thiruvananthapuram

DEPARTMENT OF ECONOMICS

1.	Name of the Department	Economics					
2.	Year of Establishment	1964					
3.	Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)	UG	PG		Ph.D		
		BA Economics	Nil		Nil		
4.	Names of Interdisciplinary courses and the departments/units involved	Name		Depts. involved			
		Open Course: Human Resource Management		Commerce, Geology, Botany, History, Politics, English, Chemistry, Sociology, Psychology.			
5.	Annual/ semester/choice based credit system (programme wise)	UG - CBCSS					
6.	Participation of the department in the courses offered by other departments	Political Science, History, English, Mathematics, Sociology, Botany, commerce					
7.	Courses in collaboration with other universities, industries, foreign institutions, etc.	Industry Collaboration : Capstocks and Securities(India) Pvt. Ltd, Thiruvananthapuram.					
8.	Details of courses/programmes discontinued with reasons	Nil					
9.	Number of Teaching posts	Sanctioned Post		Filled			
		3		Associate Professor		1	
				Assistant Professor		2	
10.	Faculty profile with name, qualification, designation, specialization						
	SL. No	Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. Students guided
	1.	Dr.Jameela V A	M.A, Ph.D	Associate Professor	Women studies	29	Nil
	2.	Dr.Vinod C Sugathan	M.A, B Ed , P.hD	Assistant Professor	Microeconomics and tourism studies	10	Nil
	3.	Smt. RajiRaveendran	M.A, B Ed	Assistant Professor	Development Economics	5	Nil
11.	List of senior visiting faculty			Nil			
12.	Percentage of lectures delivered and practical classes handled(programme wise)by temporary faculty			25% Lecture			
13.	Student -Teacher Ratio			1:66			
14.	Number of academic support staff (technical) and administrative staff			Sanctioned		Filled	
				Nil			
15.	Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.						
	SL.No	Name		Qualification			
	1.	Dr.Jameela VA		M.A, Ph.D			
	2.	Dr. Vinod C Sugathan		M.A, B Ed , P.hD			
	3.	Smt. RajiRaveendran		M.A, B Ed			
	Guest Faculty						
	Archana. S.R		M.A				

16.	Number of faculty with ongoing projects from National, International funding agencies and grants received - Nil					
17.	Departmental projects funded by DST- FIST; UGC, DBT, ICSSR, etc. and total grants received					
	Major Projects : Nil					
	Minor Project					
	Name	Title	Funding agency	Duration (years)	Amount	
	Dr.Jameela V.A	Micro-credit and Women Empowerment: A Case Study	UGC	2007-2009	0.69 lakhs	
18.	Research Centre /facility recognized by the University			NA		
19.	Publications					
	Dr. V.A. Jameela					
	Sl. No	Publication			National/ International	
	1	“Problems of the Aged Women” Third Concept, Vol.19,No.227,January 2006			National	
	2	“Gender Discrimination in Quality Education in Kerala - Some Explanations “,Loyola Journal of Social Sciences, Vol.XX, No.,1 January –June 2006			National	
	3	“ Women and Work: An Analysis of the Female Marginalisation Thesis in the Kerala Context”,ISDA Journal ,Vol.16,No.3, July-September 2006			National	
	4	“Political Participation of Women in Kerala- Miles to Go...”, Social Action, , Vol 59, No (3), 2009, Social Action Trust			National	
	Dr. Vinod C. Sugathan					
	Sl. No	Publications			National/ International	
	1.	“Multidimensional Effect of the Smokeless Industry”, LOGOS,2, 2014,SNC Chempazhantthy			National	
20.	Areas of consultancy and income generated		Nil.			
21.	Faculty as members in National committees, International Committees, Editorial Boards					
	1. Dr. Jameela. V.A,(Chief editor Journal of Economic Affairs)					
	2. Raji Raveendran (Member, Journal of Economic Affairs)					
22.	Student projects					
			UG	PG		
	Percentage of students who have done in-house projects including inter departmental/programme		100%	Nil		
	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies		Nil	Nil		
23.	Awards / Recognitions received by faculty and students					
	Sl. No	Name	Faculty/ Student	Awards/Recognition	Awarding Body	Year
	1	Akhila. S. P	Student	Second Place in the Women’s State Hockey Championship	State Sports Council & SAI	2011
	2	Salu. B. S	Student	Gold Medal With First Prize in Water Polo at the Junior Aquatic National Championship	Swimming Federation of India	2012
	3	Saravyan. R	Student	Second Prize in Water polo at the Junior Aquatic National Championship	Swimming Federation of India	2013
	4	Saravyan. R	Student	Third Prize in Water polo at the	Association of	2013

				All India University Championship	Indian Universities	
5	Salu. B. S	Student		First Prize in Water Polo at the Junior Aquatic National Championship	Swimming Federation of India	2013
6	Salu. B. S	Student		First Prize in Water Polo at the Senior Aquatic State Championship	Kerala State Sports Council	2013
7	Salu. B. S	Student		First Prize in 50 meters Butterfly, Inter University Meet	Association of Indian Universities	2013
8	Salu. B. S	Student		First Prize in 100 meter Butterfly, Inter University Meet	Association of Indian Universities	2013
9	Haritha. H. N	Student		Second Prize in 4×100 Medlay relay at All India University Championship	Association of Indian Universities	2013
10	Haritha. H. N	Student		Third Prize in 50 meters Breast Stroke at the Senior Aquatic State Championship	Kerala State Sports Council	2013
11	Haritha. H. N	Student		Third Prize in 100 meters Breast Stroke at the Senior Aquatic State Championship	Kerala State Sports Council	2013
12	Haritha. H. N	Student		Third Prize in 200 meters Breast Stroke at the Senior Aquatic State Championship	Kerala State Sports Council	2013
13	Haritha. H. N	Student		First Position 200 mm Breast Stroke in the RGKA State Women Sports Competition	Kerala State Sports Council.	2014
14	Haritha. H. N	Student		First Position in 4×100 mm Medlag Relayevent in the RGKA State Women Sports Competition	Kerala State Sports Council.	2014
15	Sarvyan. R	Student		Third place in Water Polo in the All India Inter University Aquatic Championship	Jain University Bangalore and Association of Indian Universities	2014
16	Rajesh. B	Student		Third place in Water Polo in the All India Inter University Aquatic Championship	Jain University Bangalore and association of Indian Universities	2014
24. List of eminent academicians and scientists / visitors to the department						
	Sl.No	Name	Designation	Topic	Date	Year
	1.	Prof. S. Kevin	Prof, IDE and former Pro-vice chancellor, University of Kerala	Recent trends in Banking	2-11-2009	2009- 10
	2	Dr. M. K. Saralamma	HoD, Dept of Economics, University of Kerala, Kariavattom.	20 years of Economic Reforms in India	17.1.2012	2011-12
	3	Dr.K.C.Baiju	Associate Professor, Dept of Economics, Central University, Kasargode	Economic Philosophy of Migration and In-migration in Kerala	26-3-2013	2012-13

	4	Shri. Salim Gangadharan	Former Regional Director, Reserve Bank of India, Thiruvananthapuram and Lakshadeep		Current macroeconomic scenario		17-3-2014	2013-14	
25.	Seminars/ Conferences/Workshops organized & the source of funding National/ International - Nil								
26.	Student profile programme/course wise:								
	Course	Year	Applications received	Selected	Enrolled		Pass %	University Ranks	
					M	F			
	B A Economics	2010	1343	95	33	62	63.5%		
		2011	1188	71	24	47	63.93%		
		2012	1371	67	25	42	71.62%		
		2013	3108	68	19	49	72.2%		
		2014	3167	67	27	40	63.46%		
27.	Diversity of Students								
	Name of the Course		% of students from the same state		% of students from other States		% of students from abroad		
	BA Economics		100		0		0		
28.	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?				Nil				
29.	Student progression								
		2009-10		2010-11		2011-12		2012-13	2013-14
	UG to PG		12		6		8		6
	PG to M Phil								
	PG to Ph.D.								
	Other than campus recruitment				1		2		10
	Entrepreneurship/Self employment								10
30.	Details of Infrastructural facilities								
	i	Library			1419 books				
	ii	Internet facilities for Staff & Students			Yes				
	iii	Class rooms with ICT facility			No				
	iv	Laboratories			No				
31.	Number of students receiving financial assistance from college, university ,government or other agencies								
	Name of the scholarship		Funding Agency			No: of students			
	KPCR ,Post metric Suvarna Jubilee SC ,ST OBC OEC etc		Govt			2009-10		81	
2010-11						83			
2011-12						92			
2012-13						63			
2013-14						60			
2014-15						58			
32.	Details on student enrichment programmes (special lectures / workshops /seminar) with external experts								

	Resource person	Program	Year
	Prof. S. Kevin Prof, IDE and former Pro-vice chancellor, University of Kerala	Spectrum Series of Seminar Talk on "Recent trends in Banking"	2009
	Dr. M. K. Saralamma HoD, Dept of Economics, University of Kerala, Kariavattom.	Spectrum Series of Seminar Talk on "20 years of Economic Reforms in India"	2012
	Dr. M. Beena IAS, State Mission Director, National Rural health Mission, Trivandrum	Planning Forum: A Talk on "Role of Youth in Nation Building"	2013
	Dr. K. C. Baiju Associate Professor, Dept of Economics, Central University, Kasargode	Spectrum Series of Seminar Talk on "Economic Philosophy of Migration and In- migration in Kerala"	2013
	Mr. P. Vijayan IPS, Commissioner of Police, Thiruvananthapuram City.	Planning Forum: A Talk on "Challenges & Possibilities of 21 st Century"	2014
	Shri. Salim Gangdharan Former Regional Director, Reserve Bank of India, Thiruvananthapuram and Lakshadweep	Spectrum Series of Seminar Talk on "Current Macroeconomic Scenario"	2014
33.	Teaching methods adopted to improve student learning		
	Tutorial Hours, Assignments, Seminars, E- Learning, Statistical Package, Lectures, Group Discussion etc		
34.	Participation in Institutional Social Responsibility (ISR) and Extension activities		
	<ol style="list-style-type: none"> 1. www.economistinyou.com maintained by Dr. Vinod C Sugathan. It aimed at providing an insight in to the major international/national/regional economic issues. 2. Industry Collaboration: Capstocks and Securities (India) Pvt. Ltd, Thiruvananthapuram. 		
35.	SWOC analysis of the department and Future plans		
	<p>Strengths</p> <ul style="list-style-type: none"> • Inclusion of Methodology and Informatics in the syllabus. • Out of the three faculty members two are PhD holders. They have undertaken minor research works, presented papers at the national and international conferences and published several papers • ICT enabled learning facility available. <p>Weakness</p> <ul style="list-style-type: none"> • Less application oriented syllabus • No scope for field study due to the time constraints • Most of the students are financially weak. Only a few students get scholarships. • Time is a major constraint for conducting innovative practises. <p>Opportunity</p> <ul style="list-style-type: none"> • The knowledge about the development of Economics and basic information about statistical and Mathematical methods is useful to those students who want to pursue research activities in future. • Students get an opportunity to select their area of specialisation for future studies. • The department can start a PG course <p>Challenges</p> <ul style="list-style-type: none"> • Lack of sufficient infrastructure. • Hectic schedule under CBCS system. • Lack of PG courses 		

Future Plans

- To upgrade from UG department to a PG Department
- Start Add-On Course relating to Banking
- To Empower girl students to take up self employment opportunities.

DEPARTMENT OF PSYCHOLOGY

1.	Name of the Department	Psychology					
2.	Year of Establishment	1977					
3.	Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., tc.)	UG		PG		Ph.D	
		BA Psychology		Nil		Nil	
4.	Names of Interdisciplinary courses and the departments/units involved	Name			Depts. involved		
		Yoga and stress management			All departments		
5.	Annual/ semester/choice based credit system	UG - choice based credit and semester system					
6.	Participation of the department in the courses offered by other departments	Students opt open courses offered by other departments					
7	Courses in collaboration with other universities, industries, foreign institutions, etc.	Nil					
8.	Details of courses/programmes discontinued with reasons	N.A					
9.	Number of Teaching posts			Sanctioned		Filled	
		Associate Professors					
		Assistant Professors		5		5	
10.	Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)						
	SL. No	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
	1	Dr. J S Nishima	M.A, Ph.D	Assistant Professor	Clinical Psychology	13	
	2	Dr. A S Raakhee	M.A, Ph.D	Assistant Professor	Gerontology	13	5
	3	Dr. Aravind Thampi	M.A Ph.D	Assistant Professor	Clinical Psychology	10	
	4	Dr. Anjana R	M.A, M.Phil, Ph.D	Assistant Professor	Indian Psychology	3 y & 6 m	2
	5	Dr. Ajilal. P	M.A Ph.D	Assistant Professor	Organisational Behaviour and Personality	2 y & 3 m	
11.	List of senior visiting faculty						
	2009	Dr. Roy. J. Mathew (Duke & Texas University).					
		Mrs. Laura. J. Mathew (Director of Student Health, Odessa, Texas)					
		Dr. V. George Mathew. Former HOD in Psychology, University of Kerala.					
		Fr. Sebastian Chamathara,. Former HOD in Psychology, K E College, Mannanam.					
2010	Dr. Mridula B Nair, HOD, Department of Psychology, M.G College, Thiruvananthapuram						

	2011	Dr. S Thankom (General Medicine) and Dr. Mini Arun Kumar (Gynaecologist)		
		Dr. V. George Mathew. Former HOD in Psychology, University of Kerala.		
	2012	Dr. K. N. Janaki, Clinical Psychologist Medical College, Thiruvananthapuram		
		Dr. S Thankom (General Medicine) and Dr. Mini Arun Kumar (Gynecologist)		
		Dr. E. Naseer, Social Scientist, Department of Psychiatry, Medical College, Thiruvananthapuram.		
		Yoga instructors from Sivananda Yoga Center, Thiruvananthapuram.		
		Dr. Vidhu Kumar, Psychiatrist Department of Psychiatry, Medical College, Thiruvananthapuram and Dr. E. Naseer, Social Scientist, Department of Psychiatry, Medical College, Thiruvananthapuram.		
		Dr. Thara Bhai (Former Professor in Sociology, Kamaraj University, Madurai) Dr. P.T. Kurian, Former HOD, Department of Psychology, S N College, Chempazhanchy.		
	2013	Smt. Tinsy Ramakrishnan, Psychologist, Thiruvananthapuram.		
		Dr. C.Jayan. HOD of Psychology, University of Calicut		
	2014	Dr. L.R Madhujan, Director, Karuna Sai Psychopark		
		Dr. P.T Kurian (Former Associate Professor & HOD of the Department of Psychology)		
		Smt. Parvathy Devi, Yoga instructor		
12.	Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty		In 2009-10 and 2010-11 25% of the classes were handled by guest lecturer.	
13.	Student -Teacher Ratio (programme wise)		32:1	
14.	Number of academic support staff (technical) and administrative staff		sanctioned	filled
15.	Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.			
	Name		Qualification	
	Dr. J.S Nishima		M.A Ph.D.	
	Dr. Rakhee A. S		M.A Ph.D.	
	Dr. AravindThampi		M.A Ph.D.	
	Dr. Anjana.R		M.A, M.Phil, Ph.D.	
	Dr. Ajilal. P		M.A Ph.D.	

16.	Number of faculty with ongoing projects from National funding agencies and grants received :1				
	Name of Faculty/Department	Major/Minor	Topic	Details of the grant	
				Funding Agency	Amount
	Dr. Ajilal P	Minor	Factors Influencing Increased Alcoholism and Mental Illnesses among Adivasis (Tribals) of Kerala and Remedial Measures	UGC	105000
17.	Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received		UGC		
18.	Research Centre /facility recognized by the University		Dr. Raakhee A.S. and Dr. Anjana. R are recognized research guides (University of Kerala)		
19.	Publications:				
	Dr. J.S. Nishima				
	Sl. No	Publication			National/ International
	1.	“Analytical study on female college students”,Research Scholar,2, 2012			
	2.	“Correlates of Self Esteem and Intelligence”,Misbah- research journal,5, 2011			
	Dr. A.S. Raakhee				
	Sl. No	Publication			National/ International
	1.	“A study on the prevalance of anxiety disorders among higher secondary students”, GESJ: Education Sciences and Psychology,1887, 2011			International
	2.	“Life skill education for adolescents: it’s relevance and importance”, GESJ: Education Sciences and Psychology,1888, 2011			International
	3.	Mothers of Children with hearing impairment: an interventional approach, <i>Abstract of Multidisciplinary approach to disability page no 30, December 2012</i>			Natonal
	Dr. Aravind Thampi				
	1.	“An effective Management Strategy of Alcoholism in an Organization Setting, <i>Abstract of IAAP Conference, June 2012</i>			International
	2.	Mothers of Children with hearing impairment: an interventional approach, <i>Abstract of Multidisciplinary approach to disability page no 30, December 2012</i>			National
	Dr.Anjana.R.				
	Sl. No	Publication			National/ International
	1.	Effect of Parenting Style on Behaviour, <i>Behavioural Scientist</i> , Vol 2 (2), 2010			National

2.	Paraspara Poorakamakunna Manassum Bhashayum, <i>Vijnanakairali</i> , Vol 41(7), 2010	Regional			
Dr. Ajilal P					
Sl. No	Publication	National/ International			
1.	“The Effect of Aerobics on Resilience”, An International Refereed & Indexed Journal In Arts, Commerce, Education, & Social Sciences, , 3, 2014, (.8) , Research nebula Hyderabad	International			
2.	“Correlates of Empathy among Physically Handicapped”, Journal of Community Guidance & Research, 31, 2014, (1.5) ,Neelakamal pub. Delhi	International,			
3.	“Predictors of Self-confidence”, Journal of Community Guidance & Research, 30, 2013, (1.5) , Neelakamal pub. Delhi	International			
4.	“Ego Defense Mechanisms: Good or Bad? An exploratory Analysis”, Logos: An interdisciplinary research journal, 1, 2013 , SN college, Chempazhanchy	National			
5.	“Personality correlates of Spirituality”, Journal of Community Guidance & Research, ,28, 2011, (1.5) ,Neelakamal pub. Delhi	International			
6.	“Effect of Jaladhara meditation on Social anxiety”, Journal of Community Guidance & Research, ,28, 2011, (1.5) , Neelakamalpub. Delhi	International			
7.	“Employee morale : influencing factors in Kerala”, SURVEY- a Management Journal publishing by IISWBM, , 51, 2011, (3.06) ,Iiswbm, kolkata	International			
8.	“Effects of vrata (vow) on General health”, The Psychespace, 4, 2010, (.8) ,Balachandran Pondicherry	National			
9.	“A comparative study on visual, motor, perceptual, and memory functions in bipolar and normals”, The Psychespace, 3, 2009, (.8) , Balachandran Pondicherry	National			
20.	Areas of consultancy and income generated Dr Aravind Thampi				
No	Name of consultancy service	Duration (years)	From (Month-Year)	To (Month-Year)	Revenue generated (in lakhs)
1.	HLL Life Care (Govt of India)	9 yrs	January 2005	Ongoing	25,000/-
2.	KIMS Trust	8 yrs	March 2006	Ongoing	10,000/-
3.	Malayala Manorama	6 yrs	April 2007	Ongoing	5,000/-

	4.	PPC Worldwide. (United Healthcare Group , UK)	1 year	December 2013	Ongoing	5,000/-
21.	Faculty as members in		National committees, International Committees, Editorial Boards			
			Dr Nishima JS is Editorial Board member of LOGOS; ISSN 2349-3836			
22.	Student projects					
				UG	PG	
	Percentage of students who have done in-house projects including inter departmental/programme			60% (2013 & 14)		
	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies			40% (2013 & 14)		
23.	Awards / Recognitions received by faculty and students					
	Sl. No	Name	Faculty/ Student	Awards/Recognition	Awarding Body	Year
	1.	Deepa P.T	Student	Best outgoing student	Dr. R. Sreedevi Ammal (Rajangam Iyer Memorial award)	2009-2010
	2.	Deepa.P.T	Student	Best outgoing student	Anand associates (Guru dakshina award)	2009-2010
	3.	Samuel George	Student	Best outgoing student	Dr. R. Sreedevi Ammal (Rajangam Iyer Memorial award)	2010-2011
	4.	Samuel George	Student	Best outgoing student	Anand associates (Guru dakshina award)	2010-2011
	5.	Babitha Vijayan	Student	Best outgoing student	Dr. R. Sreedevi Ammal(Rajangam Iyer Memorial award)	2011-2012
	6.	Babitha Vijayan	Student	Best outgoing student	Anand associates (Guru dakshina award)	2011-2012
	7.	Babitha Vijayan	Student	Class topper	Radhakrishnan memorial cash award	2011-12
	8.	Jency M.R.	Student	Second position	Radhakrishnan memorial cash award	2011-12
	9.	Bhavya V.B.	Student	Third position	Radhakrishnan memorial cash award	2011-12
	10	Shilpa Balagandadharan	Student	Best outgoing student (Second rank, Kerala University)	Dr. R. Sreedevi Ammal(Rajangam Iyer Memorial award)	2012-2013
	11	Shilpa Balagandadharan	Student	Best outgoing student (Second rank, Kerala University)	Anand associates (Guru dakshina award)	2012-2013
	12	Aiswariya.s	Student	Best outgoing student (Second rank, Kerala University)	Dr. R. Sreedevi Ammal(Rajangam Iyer Memorial award)	2013-2014

	13.	Aiswariya.s	Student	Best outgoing student student (Second rank, Kerala University)	Anand associates (Guru dakshina award)	2013-2014
24.	List of eminent academicians and scientists / visitors to the department					
	Sl. No	Name	Designation			Date
	1.	Dr. Roy. J. Mathew	Duke & Texas University.			24.08.2009
	2.	Mrs. Laura. J. Mathew	(Director of Student Health, Odessa, Texas)			24.08.2009
	3.	Dr. V. George Mathew.	Former HOD in Psychology, University of Kerala.			30.10.2009
	4.	Fr. Sebastian Chamathara,.	Former HOD in Psychology, K E College, Mannanam.			30.10.2009
	5.	Dr. Mridula B Nair,	HOD, Department of Psychology, M.G College, Thiruvananthapuram			14.03.2010
	6.	Dr. Thara Bhai	Former Professor in Sociology, Kamaraj University, Madurai			11.10.2010
	7.	Dr. P.T. Kurian,	Former HOD, Department of Psychology, S N College			11.10.2010
	8.	Dr. V. George Mathew.	Former HOD in Psychology, University of Kerala.			19.12.2011
	9.	Dr. S Thankom	General Physician, Anadiyil Hospital, Thiruvananthapuram			14.03.2012
	10.	Dr.Mini Arun Kumar	Gynaecologist, Anadiyil Hospital, Thiruvananthapuram			14.03.2012
	11.	Dr. E. Naseer	Social Scientist, Department of Psychiatry, Medical College, Social Scientist, Department of Psychiatry, Medical College,			20.3.2012
	12.	Dr.Vidhu Kumar, , Thiruvananthapuram	Psychiatrist Department of Psychiatry, Medical College			20.3.2012
	13.	Yoga instructors	Sivananda Yoga Center, Thiruvananthapuram.			20.8.2012
	14.	Dr. E. Naseer,.	Social Scientist, Department of Psychiatry, Medical College, Thiruvananthapuram			12.9.2012
	15.	Dr. K. N. Janaki,	Clinical Psychologist Medical College, Thiruvananthapuram			12.10.2012
	16	Smt. Tinsy Ramakrishnan,.	Psychologist & Research scholar, University of Kerala			8.2.2013
	17.	Dr. C.Jayan.	HOD of Psychology, University of Calicut			25.3.2013
	18.	Dr. L.R Madhujan	Director , Karuna Sai Psychopark			17.3.2014
	19.	Smt. Parvathy Devi	Yoga instructor			7.10.2014
	20.	Dr. P.T Kurian	Former Associate Professor & HOD of the Department of Psychology			10.10.2014
21.	Dr. V. George Mathew.	Former HOD in Psychology, University of Kerala.			31.10.2014	
25.	Seminars/ Conferences/Workshops organized & the source of funding					
	a. National Nil					
	b. International Nil					
	Sl. No	Title of Programm	Period	Funding Agency	Amount utilized	

			e				
1.	Seminar	Spectrum	30.10.2009	PTA	Rs. 2000 and other expenses		
2.	Seminar	Spectrum	2010	PTA	Rs. 2000 and other expenses		
3.	Seminar	Spectrum	19.12.2011	PTA	Rs. 2000 and other expenses		
4.	Seminar	Spectrum	2012	PTA	Rs. 2000 and other expenses		
5.	Seminar	Spectrum	25.03.2013	PTA	Rs. 2000 and other expenses		
6.	Seminar	Spectrum	17.03.2014	PTA	Rs. 2000 and other expenses		
26.	Student profile programme/course wise:						
	Course	Year	Applications received	Selected	Enrolled		Pass %
					M	F	
	UG	2009-10	399	52	23	29	94
	UG	2010-11	322	40	15	25	81.4
	UG	2011-12	366	36	16	20	87
	UG	2012-13	1265	41	20	21	60
	UG	2013-14	1278	36	9	27	75
27.	Diversity of Students						
	Name of theCourse UG		% of students from the same state		% of students from other States		% of students from abroad
	2009-10		100		0		0
	2010-11		100		0		0
	2011-12		100		0		0
	2012-13		100		0		0
	2013-14		100		0		0
28.	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?			NET - 2 SET - 1			
29.	Student progression						
		2009-10	2010-11	2011-12	2012-13	2013-14	
	UG to PG	5	8	8	10	11	
	Other than campus recruitment	11	8	14	8	5	
30.	Details of Infrastructural facilities						
	i	Library			832		
	ii	Internet facilities for Staff & Students			Yes		
	iii	Class rooms with ICT facility			One class room		
	iv	Laboratories			Yes		
31.	Number of students receiving financial assistance from college, university,government or other agencies						
	Name of the scholarship		Funding Agency		No: of students		
	2009-10		Government		8		
	2010-11		Government		71		
	2011-12		Government		43		
	2012-13		Government		30		
	2013-14		Government		24		
32.	Details on student enrichment programmes (special lectures / workshops /seminar) with external experts						

Already given (question no 11)						
1.	Dr. Roy. J. Mathew	Duke & Texas University.	24.08.2009			
2.	Mrs. Laura. J. Mathew	(Director of Student Health, Odessa, Texas)	24.08.2009			
3.	Dr. V. George Mathew.	Former HOD in Psychology, University of Kerala.	30.10.2009			
4.	Fr. Sebastian Chamathara,.	Former HOD in Psychology, K E College, Mannanam.	30.10.2009			
5.	Dr. Mridula B Nair,	HOD, Department of Psychology, M.G College, Thiruvananthapuram	14.03.2010			
6.	Dr. Thara Bhai	Former Professor in Sociology, Kamaraj University, Madurai	11.10.2010			
7.	Dr. P.T. Kurian,	Former HOD, Department of Psychology, S N College	11.10.2010			
8.	Dr. V. George Mathew.	Former HOD in Psychology, University of Kerala.	19.12.2011			
9.	Dr. S Thankom	General Physician, Anadiyil Hospital, Thiru vananthapuram	14.03.2012			
10.	Dr. Mini Arun Kumar	Gynaecologist, Anadiyil Hospital, Thiru vananthapuram	14.03.2012			
11.	Dr. E. Naseer	Social Scientist, Department of Psychiatry, Medical College, Social Scientist, Department of Psychiatry, Medical College,	20.3.2012			
12.	Dr. Vidhu Kumar, , Thiruvananthapuram	Psychiatrist Department of Psychiatry, Medical College	20.3.2012			
13.	Yoga instructors	Sivananda Yoga Center, Thiruvananthapuram.	20.8.2012			
14.	Dr. E. Naseer,.	Social Scientist, Department of Psychiatry, Medical College, Thiruvananthapuram	12.9.2012			
	15.	Dr. K. N. Janaki,	Clinical Psychologist Medical College, Thiruvananthapuram	12.10.2012		
	16.	Smt. Tinsy Ramakrishnan,.	Psychologist & Research scholar, University of Kerala	8.2.2013		
	17.	Dr. C. Jayan.	HOD of Psychology, University of Calicut	25.3.2013		
	18.	Dr. L.R Madhujan	Director , Karuna Sai Psychopark	17.3.2014		
	19.	Smt. Parvathy Devi	Yoga instructor	7.10.2014		
	20.	Dr. P.T Kurian	Former Associate Professor & HOD of the Department of Psychology	10.10.2014		
	21.	Dr. V. George Mathew.	Former HOD in Psychology, University of Kerala.	31.10.2014		
33.	Teaching methods adopted to improve student learning Black board, Seminar, Assignment, LCD Projector, , Power point presentation etc					
34.	Participation in Institutional Social Responsibility (ISR) and Extension activities					
	Dr. J.S. Nishima	Counseling		2009-14		
	Dr. Raakhee A.S	Counseling		2009-14		
	Convenor, Health Education	3 yrs	June 2011 to			Organised

	Club		2014		Health awareness programmes, Campaigning against drug abuse, Medical camps etc.
	Academic Convenor, Care and Share	4 yrs	2010		Care and Share is an alumni association formed by the department of Psychology, MG College, TVM.
	Dr.Aravind Thampi		2009-14	Career guidance and Counseling	
	Dr. Anjana.R	1 year	August 2013	February 2014	Conducted parades and camps
	NCC Care taker, 1K Girls BN Counseling Member, Health education club	3 yrs	June 2011	March 2014	Health awareness programme, medical camp etc.
35. SWOT analysis of the department and Future plans					
<p>Strengths :</p> <ul style="list-style-type: none"> • All faculty members have PhD Degrees • Representation of faculty in Board of Studies of various Universities • Have collaboration with various national and international institutions • Career Guidance and Counselling Centre functions in the Department • Alumni are well placed in various reputed positions • Secured Five University ranks in the last five years • Two Research Guides in the faculty • Two awards are executed by the alumni <p>Weakness</p> <ul style="list-style-type: none"> • Insufficient fund for infrastructural development • CBCSS system restricts faculty from participating in academic events outside • Lack of post graduate course • Department lacks neuro-psychology lab <p>Opportunity</p> <ul style="list-style-type: none"> • Opportunities for further collaboration and curriculum development • Community oriented research opportunity is possible <p>Threats</p> <ul style="list-style-type: none"> • The syllabus does not attract students • Lack of sufficient library books and laboratory equipment. <p>Future Plan</p> <ul style="list-style-type: none"> • To upgrade the department to a PG department and a Research centre. 					

DEPARTMENT OF SOCIOLOGY

1.	Name of the Department			Sociology			
2.	Year of Establishment			1981			
3.	Names of Programmes / Courses offered			UG	PG	Ph.D	
				BA Sociology	Nil	Nil	
4.	Names of Interdisciplinary courses and the departments/units involved			Name	Depts. involved		
				Open course-Life Skill education	All other departments		
5.	Annual/ semester/choice based credit system (programme wise)			UG - choice based credit and semester system			
6.	Participation of the department in the courses offered by other departments			Participates in the open course of other departments			
7	Courses in collaboration with other universities, industries, foreign institutions, etc.			Nil			
8.	Details of courses/programmes discontinued (if any) with reasons			Nil			
9.	Number of Teaching posts				Sanctioned	Filled	
				Associate Professors	0	0	
				Assistant Professors	3	3	
10.	Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)						
	SL. No	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
	1	Dr. UtharaSoman	M.A. Ph.D	Assistant Professor	Gender Studies	4	Nil
	2	Lekha N B	M. A. NET with JRF	Assistant Professor	Gender Studies	4	
	3	Aiswarya. A. S	M. A. NET with JRF	Assistant Professor	Gender Studies	2	
11.	List of senior visiting faculty						
	1. Dr. Jacob John Kattakkayam , Former President Sociological Association						
	2. Dr. Prameela, Member, Kerala Women’s Commission						
	3. Dr. P.K.B Nayar, Chairman, centre for Gerontological studies						
	4. Dr M.K.C Nayar, Vice Chancellor, Health University						
	5. Smt Lida Jacob, IAS						
	6. Dr. L. Tharabai, Prof. of Sociology, Annamalai University						
	7. Dr. M.K.Prasad, renowned environmentalist						
	8. Dr.Krishnan, Prof. of Psychiatry, Medical College, Trivandrum						
	9. Smt. R. Sreelekha IPS, State Transport Commissioner						
	10. Smt. Rajasree Warriar, Renowned Dancer, Educationalist.						
	11. Dr.Antony P V , Associate Professor, Department of Sociology, Loyola college of Social Science, Thiruvananthapuram						
12.	Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty -Nil						
13.	Student -Teacher Ratio			32:1			

14.	Number of academic support staff (technical) and administrative staff; sanctioned and filled - Nil						
15.	Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.						
	Sl. No	Name	Qualification				
	1.	Dr. UtharaSoman	M.A. Ph.D				
	2.	Smt. Lekha NB	M. A. NET				
	3.	Smt. Aiswarya. A.S	M. A. NET				
	Guest Faculty		Nil				
16.	Number of faculty with ongoing projects from						
	a. National-One						
	b. International funding agencies and grants received- Nil						
	Sl. No	Name of Faculty/Department	Major /Minor	Topic	Details of the grant		
					Funding Agency	Amount	
	1.	Dr.Uthara Soman	Minor	Social and Psychological dimensions of Orphanage Inmates: A study conducted in SreeChitra Poor Home, Thiruvananthapuram	UGC	130000	
17.	Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received				UGC		
18.	Research Centre /facility recognized by the University				Nil		
19.	Publications						
	Dr. Uthara Soman						
	Sl. No	Publication				National/ International	
	1.	“Patriarchy: Theoretical Postulates and Empirical Findings”,Sociological Bulletin(Journal of the Indian Sociological Society),58, 2009, (Journal of the Indian Sociological Society)				National,	
	2.						
	3.	Mobile Phones: Mobility, implications and impacts Kerala Sociologist (Journal of the Kerala Sociological Society) Vol 39 No. 1 June 2011				International	
	4.	Social Conflicts: A retrospection into Conflict Theories and Collective Actions, Logos, (Journal Of Sree Narayana College, Chempazhanchy), Vol 1 No.1 March 2013					
		Icons of Kerala: Past and Present (co-authored by Uthara Soman and Susy Mathew) Introduction to Kerala Studies edited by Vilanilam J. V, Palackal Antony and Luke Sunny, Vol. 2 (1261-1276) 2012 Published by International Institute for Scientific and Academic Collaboration(IISAC) New Jersey , USA					
Smt. Lekha N B							
	Sl. No	Publication				National/ International	
	1.	“Property Rights among NayarWomen : An Intergenerational Study”.LOGOS,2, 2014, Journal of SreeNarayana College, Chempazhanchy					
Smt. Aiswarya A S							
	1	Impact of Advertisement among the Youth-Logos, 2009 Vol.1 No.1, March 2013					
20.	Areas of consultancy and income generated		Nil				

21.	Faculty as members in National committees, International Committees, Editorial Boards					
	1. Dr Uthara Soman is a member of the editorial board of Logos (ISSN 2349-3836)					
22.	Student projects					
				UG	PG	
	Percentage of students who have done in-house projects including inter departmental/programme			100 %		
	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies					
23.	Awards / Recognitions received by faculty and students					
	Sl. No	Name	Faculty/ Student	Awards/Recognition	Awarding Body	Year
	1	Dr. Uthara Soman	Faculty	Dr. Jose Murickan Young Sociologist Award	Kerala Sociological Conference	2009
	2	Kannan S Lal	IInd year student	Quiz Competition	T K M College, Kollam	2014
24.	List of eminent academicians and scientists / visitors to the department					
	Sl. No	Name	Designation			Date
	1	Smt.R. Sreelekha IPS	State Transport Commissioner			17.10.2014
	2.	Smt.Rajasree Warriar,	Renowned dancer, educationalist.			17.10.2014
	3.	Prof. P. K.B Nayar	Retd. Professor of Sociology, Chairman, Centre for Gerontological Studies			16.10.2014
	4.	Dr. Jacob John Kattakkayom	Former, President Indian Sociological Association			16.10.2014
	5.	Dr. J. Prameela devi,	Member, Kerala Women's Commission			16.10.2014
	6.	Dr.M.K.Prasad,	Renowned Environmentalist			10.07.2014
	7.	Dr.Antony P V	Associate Professor, Department of Sociology, Loyola College of social science, TVM			19.03.2014
	8.	Dr.Krishnan,	Prof. of Psychiatry, Medical College, Trivandrum			5.07.2013
	9.	Smt Lida Jacob	Indian Administrative Service			25.3.2013
	10.	Dr M.K.C Nayar,	Vice Chancellor, Health University			12.12.2011
	6	Dr. L. Tharabai,	Prof. of Sociology, Annamalai University			11.10.2010
	11	Dr. James Vadakkancherry	Criminologist, faculty, State police training college			12.11.2009
25.	Seminars/ Conferences/Workshops organized & the source of funding					
	a. National One					
	b. International Nil					
	Sl. No	Type of Programme	Title of Programme	Period	Funding Agency	Amount utilized
	1	National Seminar	Women, Media and ICT, Potentialities and Insecurities	16-17 Oct 2014	UGC	Rs. 98000 as first installment
26.	Student profile programme/course wise:					

	Course	Year	Applications received	Selected	Enrolled		Pass %	University Ranks
					M	F		
	UG	2010-11	551	40	9	31	79	Ani Sony V.S, 3 rd Rank
		2011-12	584	43	7	36	71	Asha Raj D.V 2 nd Rank
		2012-13	2124	41	5	36	74	Avani J Nath, 1 st Rank
		2013-14	2318	45	11	34	86	Arya Gopinath, 2 nd Rank
		2014-15	3488	45	15	30	84	
27.	Diversity of Students							
	Name of theCourse		% of students from the same state		% of students from other States		% of students from abroad	
			100		NIL		NIL	
28.	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?				NET-8 SET-6			
29.	Student progression							
		2009-10	2010-11	2011-12		2012-13		2013-14
	UG to PG	12	10	14		8		7
	PG to M Phil	2				1		
	PG to Ph.D.	1		1		1		
	- Other than campus recruitment	4	4	3		2		1
30.	Details of Infrastructural facilities							
	i	Library			650 books , journals.			
	ii	Internet facilities for Staff & Students			one computer with internet facility for staff			
	iii	Class rooms with ICT facility			One class room with ICT facility			
	iv	Laboratories			Nil			
31.	Number of students receiving financial assistance from college, university, government or other agencies							
	Name of the scholarship		Funding Agency			Year		No: of students
	OBC Grant (Other Backward Commission), KPCR (Kumara Pillai Commission)		State Government			2009-10		30
						2010-11		56
						2011-12		45
						2012-13		39
						2013-14		45
2014-15						82		
32.	Details on student enrichment programmes (special lectures / workshops /seminar) with external experts							
	Resource person			Program			Date & Year	
	Dr.M.K.Prasad, Renowned Environmentalist			Sociology Association Inauguration 2014			10.07.2014	
	Smt.R. Sreelekha IPS State Transport Commissioner			UGC National Seminar on “Women , Media, and ICT : Potentialities and Insecurities			17.10.2014	
	Smt. Rajasree Warriar, Renowned dancer, educationalist.			UGC National Seminar on “Women , Media, and ICT : Potentialities and Insecurities			17.10.2014	
	P. K.B Nayar, Retd. Professor of Sociology, Chairman, Centre for Gerentological Studies			UGC National Seminar on “Women , Media, and ICT : Potentialities and Insecurities			16.10.2014	

	Dr. Jacob John Kattakkayom, Former, President Indian Sociological Association	UGC National Seminar on “Women , Media, and ICT : Potentialities and Insecurities	16.10.2014
	Dr. J. Prameela devi, Member, Kerala Women’s Commission	UGC National Seminar on “Women , Media, and ICT : Potentialities and Insecurities	16.10.2014
	Dr. Antony P V Associate Professor, Department of Sociology Loyola college of Social Science, Sreekaryeam	Spectrum Seminar Series	19.03.2014
	Dr. Krishnan, Prof. of Psychiatry, Medical College, Trivandrum	Sociology Association Inauguration 2013	5.07.2013
	Smt Lida Jacob Indian Administrative Service	Spectrum Seminar Series	25.3.2013
	Dr M.K.C Nayar, Vice Chancellor, Health University	Spectrum Seminar Series	12.12.2011
	Dr. L. Tharabai, Prof. of Sociology, Annamalai University	UGC National Seminar on “Women , Media, and ICT : Potentialities and Insecurities	11.10.2010
	Dr. James Vadakkancherry Criminologist, faculty, State police training college	Invited lecture	12.11.2009
33.	Teaching methods adopted to improve student learning		
	Remedial coaching, Seminars, group discussions, Classes aided with power point presentations.		
34.	Participation in Institutional Social Responsibility (ISR) and Extension activities		
	For inculcating social responsibility and value among students, visits to various social institution are arranged <ul style="list-style-type: none"> • Old Age Home, Chackai • Sree Chithra Poor Home, Tvm • Institute for Mentally Retarded, Pangappara • Sahajeevan Special School run by Alumni Brahmanayakom • Mithraniketan Residential School for poor students 		
35.	SWOC analysis of the department and Future plans		
	Strength <ul style="list-style-type: none"> • Introduction of new papers and open courses under CBCSS system • One minor project of UGC. Two proposals submitted • Facility of ICT learning • Strong alumni • Collaborative Ventures with Kerala Women’s Commission, Dept. of Psychiatry and NRHM. Weakness <ul style="list-style-type: none"> • Heavy workload in the CBCSS system • Two other teachers need to take PhD degree. • Hectic academic schedule adversely affects mentoring of students • Semester system hampers the time to organize programs. Opportunity <ul style="list-style-type: none"> • A subject ‘Informatics’ prescribed as a paper gives the students wonderful opportunity for IT orientation. • One faculty is an NSS program officer and hence provides good leadership to students inside and outside the department. 		

	<p>Challenges</p> <ul style="list-style-type: none"> • Shortage of adequate teaching hours. • Lack of adequate infra structural facilities <p>Future Plans</p> <ul style="list-style-type: none"> • Upgrade to a PG department and then to a research Centre. • To collaborate with National Rural Health Mission and Child line to widen social service and extension activities with active student participation.
--	--

DEPARTMENT OF MATHEMATICS

1	Name of the Department		Mathematics				
2	Year of Establishment		1979				
3	Names of Programmes / Courses offered		UG	PG		Ph.D	
			BSc Mathematics	Nil		Nil	
4	Names of Interdisciplinary courses and the departments/units involved		Name		Depts. involved		
			Nil		Nil		
5	Annual/ semester/choice based credit system (programme wise)		UG - choice based credit and semester system				
6	Participation of the department in the courses offered by other departments		Taking classes in the Dept of Physics, Chemistry, Geology				
7	Courses in collaboration with other universities, industries, foreign institutions, etc.		Nil				
8	Details of courses/programmes discontinued (if any) with reasons		Nil				
9	Number of Teaching posts			Sanctioned	Filled		
			Associate Professor	2	2		
			Asst. Professor	2	1		
10	Faculty profile with name, qualification, designation, specialization						
	SL. No	Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. Students guided
	1	Smt. Salila Ravi	M Sc, M Phil B Ed	Associate Professor	A Structure Theory for finite regular semi group	31	-
	2.	Dr.PV. Ajith	M Sc, M Phil, Ph D	Associate Professor	Topological semi groups	19	-
	3.	Smt. Dhanya SR	M Sc, M Phil	Assistant Professor	Languages and semigroups	3	-
	4.	Smt. Bijila BR	M Sc, M Phil, B Ed	Assistant Professor	Semigroup Theory	5	-
	5.	Sri. Vishnu M	MSc. Mphil.	Guest faculty	QueeingTheory	-	-
11	List of senior visiting faculty		Nil				
12	Percentage of lectures delivered and practical classes handled(programme wise)by temporary faculty		26%				
13	Student -Teacher Ratio		1:40				
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled		Nil				
15	Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D./ MPhil / PG.						
	Sl. No	Name		Qualification			
	1.	Smt. Salila Ravi		M Sc, M Phil B Ed			

	2.	Dr.PV. Ajith	M Sc, M Phil, Ph D						
	3.	Smt. Dhanya SR	M Sc, M Phil						
	4.	Smt. Bijila BR	M Sc, M Phil, B Ed						
	Guest Faculty								
	1.	Vishnu M	M.Sc. MPhil						
16	Number of faculty with ongoing projects from		National		International funding agencies and grants received				
nil			nil						
17	Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received		nil						
18	Research Centre /facility recognized by the University		nil						
19	Publications:		nil						
20	Areas of consultancy and income generated		nil						
21	Faculty as members in		National committees	International Committees		Editorial Boards			
			Nil	Nil		Nil			
22	Student projects								
				UG		PG			
	Percentage of students who have done in-house projects including inter departmental/programme			100%		Nil			
	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies			Nil		Nil			
23	Awards / Recognitions received by faculty and students nil								
24	List of eminent academicians and scientists / visitors to the department								
	Sl. No	Name		Designation		Date			
	1.								
25	Seminars/ Conferences/Workshops organized & the source of funding-National, International								
	Sl.No	Type of Programme	Title of Programme	Period	Funding Agency	Amount utilized			
	1.	Seminar	Spectrum	13.11.2009	PTA	Rs. 2000 and other expenses			
	2.	Seminar	Spectrum	2010	PTA	Rs. 2000 and other expenses			
	3.	Seminar	Spectrum	23.01.2012	PTA	Rs. 2000 and other expenses			
	4.	Seminar	Spectrum	23.03.2013	PTA	Rs. 2000 and other expenses			
	5.	Seminar	Spectrum	18.03.2014	PTA	Rs. 2000 and other expenses			
26	Student profile programme/course wise:								
	Course		Year	Applications received	Selected	Enrolled		Pass %	University Ranks
						M	F		
	B.Sc.	2009-2010		484	51	15	36	94.2	
		2010-2011		417	46	15	31	83	
		2011-2012		552	39	10	29	84.6	
		2012-2013		1403	45	18	27	77	
2013-2014		1540	38	15	23	75			

27 .	Diversity of Students					
	Name of the Course	% of students from the same state	% of students from other States	% of students from abroad		
		100	Nil	Nil		
28 .	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?		Nil			
29	Student progression					
		2009-10	2010-11	2011-12	2012-13	2013-14
	UG to PG	8	9	14	10	11
	PG to M Phil	2	2	Nil	Nil	Nil
	Employed - Campus selection	1	Nil	Nil	Nil	Nil
	- Other than campus recruitment	5	4	2	3	3
30	Details of Infrastructural facilities					
	i	Library		Dept library with 1168 books		
	ii	Internet facilities for Staff & Students		Yes		
	iii	Class rooms with ICT facility		One smart classroom		
	iv	Laboratories		Mathematical computer lab with 15 computers and one projector		
31 .	Number of students receiving financial assistance from college, university,government or other agencies					
	Name of the scholarship		Funding Agency		No: of students	
32	Details on student enrichment programmes (special lectures / workshops /seminar) with external experts					
	Resource person		Program		Year	
	1.Dr. Marry MettildaRose,HoD., All Saints college, Invited talk on Astronomy, 2011					
	2. Mr .Adarsh, Asst. Prof, TKM College of Arts and Science, One Day Seminar on Latex and its applications, 2012					
	3.Dr. M.S. Anilkumar, Associate Professor, NSS College Dhanuvachapuram, Special lecture on Mathematics and its application, 2013					
	4. Mr.JommyPunalal,Asst.Prof, University College Thiruvananthapuram, Invited talk on Introduction to Linux and its Applications, 2014					
33 .	Teaching methods adopted to improve student learning					
	1. Department has highly qualified and experienced teachers – two Associate professors and two Assistant professors. One associate professor has Ph.D. and others M.Phil.					
	2. Students are moderately good in learning. They are generally active participants in class room teaching.					
	3. Remedial classes for weak students are systematically being conducted and enables all the weak students to come to the level of above average students. Seminars and invited talks are also being conducted on new topics and subjects with a view to get more exposure on the subjects.					
	4. Conducts continuous evaluation by means of systematic and periodical test papers, class					

	<p>room discussions, quiz programs etc. and intimate the performances to the guardian.</p> <ol style="list-style-type: none"> Department has a good library with new additions on modern subjects enabling the aspiring students to have extra reading with the intention of research work in future. Though the students in each class form a heterogeneous group in their level of standards, with the motivation by the teachers and continuous evaluation and remedial teachings, they are being brought almost to a level of homogenous group and enables to achieve very good performances in University examinations. As an innovative practice, tests of reasoning, mental ability, riddles and puzzles are conducted in class periodically with the intention of making students competent to appear for the competitive examinations. This is for making the students employable. During the beginning of the academic year itself, an academic calendar and time table are set by mutual consultation among faculty members. Special classes conducted to cover the back log, if any. Portion covers sufficiently in advance of the University examinations. Department level meetings will be held periodically to take stock of the progress of teaching and also to sort out any issue related with curriculum or extra curriculum. Teachers are much accessible to the students for clarifying their doubts and getting guidance to their problems. Department maintains well rapports with the other departments. The issue which cannot be solved independently by the department will be taken up with the staff council for solution. In short, governance in the department is good.
34	Participation in Institutional Social Responsibility (ISR) and Extension activities
.	NSS-NCC- Club Activities, etc.
35	SWOC analysis of the department and Future plans
.	<p>Strength</p> <ol style="list-style-type: none"> Department is academically good. Current syllabus is keeping pace with the modern trends in mathematical development and is competent with those prevailing in reputed Indian Universities. Department has highly qualified and experienced teachers – two Associate professors and two Assistant professors. One associate professor has Ph.D. and others M.Phil. Students are moderately good in learning. They are generally active participants in class room teaching. Remedial classes for weak students are systematically being conducted and enables all the weak students to come to the level of above average students. Seminars and invited talks are also being conducted on new topics and subjects with a view to get more exposure on the subjects. Conducts continuous evaluation by means of systematic and periodical test papers, class room discussions, quiz programs etc. and intimate the performances to the guardian. Department has a good library with new additions on modern subjects enabling the aspiring students to have extra reading with the intention of research work in future. Though the students in each class form a heterogeneous group in their level of standards, with the motivation by the teachers and continuous evaluation and remedial teachings, they are being brought almost to a level of homogenous group and enables to achieve very good performances in University examinations. As an innovative practice, tests of reasoning, mental ability, riddles and puzzles are conducted in class periodically with the intention of making students competent to appear for the competitive examinations. This is for making the students employable. During the beginning of the academic year itself, an academic calendar and time table are set by mutual consultation among faculty members. Special classes conducted to cover the back log, if any. Portion covers sufficiently in advance of the University examinations. Department level meetings will be held periodically to take stock of the progress of

teaching and also to sort out any issue related with curriculum or extra curriculum. Teachers are much accessible to the students for clarifying their doubts and getting guidance to their problems. Department maintains well rapport with the other departments. The issue which cannot be solved independently by the department will be taken up with the staff council for solution. In short, governance in the department is good.

Weakness

1. The syllabus cannot be covered fully within the time frame set by the University.
2. With the reason of taking an open course for the fifth semester, students are deprived of a chance to study a main paper in the 5th semester.
3. Most of the students admitting to the classes are coming from rural areas/ weaker sections with average and below average standards in academic performance.
4. Lack of sufficient class rooms, good computer lab with adequate number of computers, reading materials such as national / international journals, toilet facilities, smart class rooms etc.
5. Department has no financial power and cannot take dependent decision on acquiring the above facilities.

Opportunities

1. Department has academic freedom such as conducting seminar, invited talks etc. on new topics with the objective of getting students more knowledge on their subjects.
2. Faculty members often get opportunities to participate on national/ international seminars and also to present papers.
3. Department has freedom and opportunities to conduct skill development programs by inviting experts in IT, Banking etc. with the objective of making students employable.
4. Faculty members have opportunities to become members in curriculum committee and board of studies constituted by the University and their by Department's opinions and suggestions can be presented in the committee.

Challenges

Majority of the students being admitted to the classes is of average and below average level. Then they have to be brought to a deserved level by conducting special classes remedial coaching frequent evaluation test etc. within the constraints prevailing infra-structure facilities.

DEPARTMENT OF STATISTICS

1.	Name of the Department			Statistics			
2.	Year of Establishment			1968			
3.	Names of Programmes / Courses offered			Complimentary subject to BSc Mathematics & Psychology			
4.	Names of Interdisciplinary courses and the departments/units involved			Name		Depts. involve	
				NA			
5.	Annual/ semester/choice based credit system			Complementary course under CBCSS			
6.	Participation of the department in the courses offered by other departments			Nil			
7	Courses in collaboration with other universities, industries, foreign institutions, etc.			NA			
8.	Details of courses/programmes discontinued with reasons			NA			
9.	Number of Teaching posts					Sanctioned	Filled
				Associate Professors			
				Assistant Professors		1	1
10.	Faculty profile with name, qualification, designation, specialization						
	SL. No	Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. Students guided
	1	Anjana V	MSc,NET	Asst Professor	Financial Time Series	4 yrs	-
11.	List of senior visiting faculty			Nil			
12.	Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty			Nil			
13.	Student -Teacher Ratio			UG		PG	
				1:40		--	
14.	Number of academic support staff (technical) and administrative staff; sanctioned and filled			Nil			
15.	Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.						
	Name			Qualification			
	SmtAnjana V			M.Sc NET			
	Guest Faculty						
	Priya R.S			M.Sc, M.Phil			
16.	Number of faculty with ongoing projects from			National		International funding agencies and grants received	
				1			
17.	Departmental projects funded by DST - FIST;			Minor research project funded by UGC; Rs 1.10 lakhs			

	UGC, DBT, ICSSR, etc. and total grants received		Topic: Shock detection in stock exchange using heteroscedastic models				
18.	Research Centre /facility recognized by the University		Nil				
19.	Publications		Nil				
20.	Areas of consultancy and income generated		Nil				
21.	Faculty as members in		National committees	International Committees	Editorial Boards		
			Nil				
22.	Student projects						
				UG		PG	
	Percentage of students who have done in-house projects including inter departmental/programme						
	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies						
23.	Awards / Recognitions received by faculty and students - Nil						
24.	List of eminent academicians and scientists / visitors to the department						
	Sl. No	Name	Designation		Date		
25.	Seminars/ Conferences/Workshops organized & the source of funding				National One sanctioned by UGC – will be conducted in March		
26.	Student profile programme/course wise:						
	Course	Year	Applications received	Selected	Enrolled		Pass %
					M	F	
27.	Diversity of Students						
	Name of the Course		% of students from the same state		% of students from other States		% of students from abroad
28.	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?- Nil						
29.	Student progression						
		2009-10	2010-11	2011-12	2012-13	2013-14	
	UG to PG	No UG programme for Statistics currently					
30.	Details of Infrastructural facilities						
	i	Library			65 books		
	ii	Internet facilities for Staff & Students			-		
	iii	Class rooms with ICT facility			-		
	iv	Laboratories			General Computer Lab with 10 computers		
31.	Number of students receiving financial assistance from college, university,government or other agencies - NA						
	Name of the scholarship		Funding Agency			No: of students	

32.	Details on student enrichment programmes (special lectures / workshops /seminar) with external experts		
	Resource person	Program	Year
	Nil	Nil	Nil
33.	Teaching methods adopted to improve student learning		
	Adopting learner-centred strategies .Getting students to work in groups of five to ensure equal participation from every student. Using visual aids (power point presentations) to understand the lesson.		
34.	Participation in Institutional Social Responsibility (ISR) and Extension activities		
	Offering Statistical analysis of data in the project work of various departments and other external surveys.		
35.	SWOC analysis of the department and Future plans		
	<p>Strengths:-The faculty of the department has excellent relationship with students that help to improve their knowledge .</p> <p>Weakness:-Due to the shortage of latest learning mechanics all the students cannot handle the practical situations where the subject is used.</p> <p>Future Plan :- to motivate more students to use statistical techniques for their higher studies and explore the wide job opportunities to them</p>		

DEPARTMENT OF PHYSICS

1.	Name of the Department		Physics						
2.	Year of Establishment		1968						
3.	Names of Programmes / Courses offered		UG		PG		Ph.D		
			BSc Physics		Nil		Nil		
4.	Names of Interdisciplinary courses and the departments/units involved		Name			Depts. involved			
			Open course-Astronomy and Astro physics			Mathematics,Chemistry, English,Geology,Botany, Zoology			
5.	Annual/ semester/choice based credit system		UG - CBCSS						
6.	Participation of the department in the courses offered by other departments		Geology, Mathematics, Botany, Chemistry, Sociology, English and Psychology						
7	Courses in collaboration with other universities, industries, foreign institutions, etc.		Nil						
8.	Details of courses/programmes discontinued (if any) with reasons		Nil						
9.	Number of Teaching posts		Associate Professors			Sanctioned		Filled	
						5		4	
			Assistant Professors			0		0	
10 .	Faculty profile with name, qualification, designation, specialization								
	SL. No	Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. Students guided		
	1	Dr. G. Lillybai	M Sc, M Phil, Ph D	Associate Professor	Material Science study	33	--		
	2	Smt. P.S. Amaladevi	M Sc, M Phil,	Associate Professor	Atmospheric Science	33	--		
	3	Dr.D.Beena	M Sc, M Phil, Ph D	Associate Professor	Spectroscopy	29	--		
	4	Sri. Shibu S.	M Sc, M Phil,	Associate Professor	Space	19	--		
11	List of senior visiting faculty			Nil					
12	Percentage of lectures delivered and practical classes handledby temporary faculty			20%					
13	Student -Teacher Ratio			UG		PG			
				1:32		NA			
14	Number of academic support staff (technical) and administrative staff			Sanctioned		Filled			
				3		3			
15	Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.								
	Name			Qualification					
	Dr. G. Lillybai			M Sc, M Phil, Ph D					
	Smt. P.S. Amaladevi			M Sc, M Phil					
	Dr.D.Beena			M Sc, M Phil, Ph D					
	Sri. Shibu S.			M Sc, M Phil					
	Guest Faculty								
	Smt. Divya		MSc						
16 .	Number of faculty with ongoing projects from		National		International funding agencies and grants received				

		1	
17	Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received	Dr.Sreelatha S completed the Minor Research Project entitled Investigation of source regions and generation mechanisms of short period gravity waves in the low latitude troposphere using Indian MST Radar. A sum of Rupees 60,000.00 was funded by UGC during the X Plan period (Project period-2007-09), and the Report was submitted to the University Grants Commission during July 2009 . Ongoing Minor project by Dr. K. Kochunarayanan entitled “Preparation and characterization of dye sensitized silver halide holographic recording materials” duration 2 years . A sum of Rupees 2 lacs funded by UGC in 2014.	
18	Research Centre /facility recognized by the University	Nil	
19	Publications:		
	Dr. G. Lillybai		
	Sl.No	Publication	National/ International
	1.	‘Optical Studies on Sol-Gel derived Lead chloride crystals’, (<i>Journal of Engineering, Computers & Applied Science JEC&AS</i>), 2(4) ,2013.	International
	2.	Optical Nonlinearity in Lead Iodide Di Hydrate grown with UV and IR radiations using Z-scan Technique <i>American Institute of Physics</i> -, 1391,691-693, 2011.	International
	3.	‘Comparative Study of Pure and Doped Single Crystals of Lead Iodide Dihydrate and Lead Tartrate Dihydrate Grown in Silica Gel Using Fourier Transform Raman Spectra’; <i>Journal of Atomic, Molecular and Optical Physics</i> , 1, 2010.	National,
	4.	‘Habit Changes of Lead tartrate crystals, caused by growth from gel medium and the effect of electric field, magnetic field and dopant as additives were investigated by UV/VIS technique.’; <i>Indian Journal of material science</i> , 5 , 2009.	National
	5.	“X-ray diffraction spectrum and Fourier transform infrared study of lead iodide crystals grown in gel under electric field, magnetic field, ultraviolet and infrared radiations”, <i>Indian Journal of material science</i> , 5(4)2009	National
	6.	“Non-linear optical studies on sol gel dissolved lead chloride crystals using Z-scan technique”, <i>Journal of Engineering Computers & Applied Science</i> 3(4)2014 ISSN 2319-5606	International
	7.	“ Effect of Nonlinear absorption on Electric field applied Lead chloride by Z-scan Technique” , 2014 doi:10.1063/1489875	International
	8.	‘Optical limiting and switching responses of gel grown calcium tartrate crystals by nonlinear measurements’ <i>Laser Physics</i> , 2014, vol 2	International.
	9	“Spectral and Non radiative decay studies of Lead di bromide single crystals by mode matched Thermal Lens Technique, <i>Journal of Applied Physics</i> , 3,652, 2014	International
	10	Nonlinear Optical Investigation on Lead Iodide Di Hydrate using Open aperture Z-scan Measurement, <i>Optical materials</i> , 2014	International
	11	Spectral and Lensing characteristics of Gel-derived Strontium Tartrate Single Crystals using Dual-Beam Thermal Lens Technique, <i>APL</i>	International

	<i>Materials, I, 1362,2014</i>	
SmtAmaladevi P S		
SL.N o	Publication	National/ International
1.	'Computational study of n-(2,4-dichlorophenyl) benzamide', <i>oriental journal of chemistry</i> , 26, 2010.	National
2.	"Theoretical study of the crystal structure of 4-chloro-n-(3 chlorophenyl)benzamide", <i>oriental journal of chemistry</i> , 26,2010.	National
3	"Vibrational spectroscopic study of glycine molecule", <i>Material Science Research India</i> , Vol. 7(1), 2010.	"
4	"Vibrational spectroscopic studies of guanidiumhydrogenselenate $C(NH_2).HSeO_4$ ", <i>Material Science Research India</i> , Vol. 7(1), 289-293 (2010).	"
5	"Vibrational spectroscopic study of studies of amino piciline", <i>Material Science Research India</i> , Vol. 7(1), (2010).	"
6	"IR, Raman and computational study of lithium trifluorometanesulfonate", <i>Oriental Journal of Chemistry</i> , Vol. 26(1), (2010).	"
7	"Spectroscopic investigation of dimethyl sulfoxide", <i>Oriental Journal of Chemistry</i> , Vol. 26(1), (2010).	"
8	"Theoretical study of the crystal structure of 4-chloro-N-(3-chlorophenyl)benzamide", <i>Oriental Journal of Chemistry</i> , Vol. 26(1), 53-60 (2010).	"
Dr.Beena . D		
SL.N o	Publication	National/ International
1.	"Transparent conducting indium molybdenum oxide films by pulsed laser ablation", <i>Journal of Alloys and Compounds</i> , 539, 012,(2.289) , Elsevier	International
2.	"Photoluminescence in laser ablated nanostructured indium oxide thin films", <i>Journal of Alloys and Compounds</i> , 489, 2010,(2.289) , Elsevier	International
3.	"Effect of ITO buffer layers on the structural, optical and electrical properties of ZnO multilayer thin films prepared by pulsed laser deposition technique", <i>Solar Energy Materials and Solar Cells</i> , 94, 2010,(4.542) , Science direct	International
4	"Efficient photoluminescence from pulsed laser ablated nanostructured indium oxide films", <i>Materials Science and Engineering: B</i> , 174 (1), 2010 (2.289) , Science direct	International
5.	"Effect of substrate temperature on structural, optical and electrical properties of pulsed laser ablated nanostructured indium oxide films", <i>Applied Surface Science</i> , 2009,(2.103) , Elsevier	International
6.	"Effect of thermal annealing on the structural and optical properties of nanostructured zinc oxide thin films prepared by pulsed laser ablation", <i>Solar Energy Materials and Solar Cells</i> , 93, 2009,(4.542) , Science direct	International
7.	"Transparent and low resistive nanostructured laser ablated tungsten oxide thin films by nitrogen doping:", <i>Journal of Physics D: Applied Physics</i> , 9, 2009,(1.56) , Science direct	International
8.	"Nanostructured tungsten oxide thin films by the reactive pulsed laser deposition Technique:", <i>Applied Physics A- Materials Science & Processing</i> , 42, 2009, (1.63) , Science direct	International
9.	"Micro-structural, Electrical and Spectroscopic Investigations of Pulsed	International

		Laser Ablated Palladium Incorporated Nanostructured Tungsten Oxide Films,” , <i>Journal for Nanoscience and Nanotechnology</i> , Science direct 9, 2009, (1.56) Science direct			
	10.	“Band gap re-normalization in titania doped tungsten oxide thin films prepared by pulsed laser deposition technique for solar cell applications” <i>Journal of Applied Physics</i> 11, 104 , 2008, (2.169) Science direct “			International
	11	Effect of Substrate Temperature on Surface Morphology and Optical Properties of WO3 Nano Thin Films Prepared by Pulsed Laser Ablation Technique” <i>Nanotrends: A Journal of Nanotechnology and its Applications</i> 4, 2008, (2.169) Science direct			International
	12	“Nanostructured tungsten oxide thin films by the reactive pulsed laser deposition “ Technique <i>Applied Physics A- Materials Science & Processing</i> , 91, 2008 (2.169) Science direct			International
	13	“Structural, optical and morphological studies on laser ablated nanostructured WO ₃ thin films “ <i>Applied Surface Science</i> 254, Issue 8, 2008, (2.103) Science direct			International
	14	Influence of substrate temperature on the properties of laser ablated indium tin oxide films <i>Solar Energy Materials and Solar Cells</i> Volume 91, Issues 15–16, 2007 (4.542) , Science direct			International
	15	Photoluminescence in laser ablated nanostructured indium oxide thin films <i>Optoelectronics and advanced Materials-Rapid Communications</i> 5 (1-2), 2011			International
	Dr. K. Kochunarayanan				
	1	Study of gratings recorded in different holographic recording media for real-time holographic fingerprint sensor. <i>Ieeexplore</i> 2009 DOI 10.1109/ICUMT .2009.			International
	2	Watermarking on PCAS compressed images. <i>Ieeexplore</i> DOI 978-1-4244-7286-4/10 2010			International
	3	PMMA (polymethyl methacrylate) fiber optic probe as a on contact liquid levelsensor <i>Microwave and optical technology letters</i> , Vol. 52, No. 9, 2010			International
	4	Variable multiplexed holographic data storage device from an indigenously designed low cost SLM. <i>SPIE symposium Paper Number: 7429-39</i> .2009.			International
	5	Design and Development indigenous low cost ESPI system for NDE. <i>Journal of Non Destructive Evaluation</i> , 7, 10-14. 2008			International
20	Areas of consultancy and income generated		Nil		
21	Faculty as members in		National committees	International Committees	Editorial Boards
			Dr Lillybai- Member, Editorial Board of Logos (ISSN 2349-3836)		
22	Student projects				
			UG	PG	
	Percentage of students who have done in-house projects including inter departmental/programme		100%		
	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies		Nil		

23 .	Awards / Recognitions received by faculty and students					
	Sl.No	Name	Faculty/Student	Awards/Recognition	Awarding Body	Year
	1	Dr. G Lillybai	Faculty	Best paper Award	International conference on Light at NIT Calicut, Kerala India.	March 19 to 21, 2014
	2	Deepa Chandran	Student 2007-2010 batch <u>All-India Inter University Organising body</u> 1. Won Silver medal for team trial, in the National track cycling championship held at Patiala during January 2009. 2. Won Bronze medal for individual pursuit in the National track cycling championship held at Patiala during January 2009. 3. Won gold medal for Olympics spirit in the National track cycling championship held at Patiala during January 2009. 4. Won silver medal for team pursuit in the National track cycling championship held at Patiala during January 2009. 5. Won Silver medal for team trial, Bronze medal for team pursuit in All India Inter University championship held at Ludhiana during Feb – March 2009. 6. Won gold medals for Road mass start and team pursuit in All India Inter University championship held at Patiala during November 2009			
	3	Vishnu R	Student 2008-2011 batch 1. All India Best Pilot 2010 by the Air Force Academy - 2011			
	4	Gopika Vasanth	Student 2009-2012 batch- 1. Got third prize for Malayalam short story writing in Kerala University Youth Festival held at Attingal during February 24, 2011 2. Won first prize in Essay writing, second prize in Recitation and third place in Elocution in state level competitions at Sivagiri in connection with Sivagiri Theerthadanam and during December 2010.			
	5	Alziraj A	Student 2011-2014 batch 1. Got first prize in water polo competition at the state level competition held at Trivandrum during June 2011. 2. Secured 3 rd place for water polo. in 38 th Junior National aquatic Championships held at Bhopal from August 5-9 2011 3. Got 4 th place for water polo in the 7 th Asian age group championships from October 5-13, 2011 in Lumhan Tirta Swimming Stadium, Palembang South Sumatra, Indonesia			
	6	Amal J S	Student 2012-2015 batch Got first prize in district level painting competition conducted by Kerala State Aids Control Society on 2013 and participated in State level painting competition in connection with the same.			
	7	Gokul G S	Student 2012-2015 batch 1. Got first prize in Kerala University boxing competition held during October 2013.			
24 .	List of eminent academicians and scientists / visitors to the department					
	Sl.No	Name	Designation			Date
	1	Dr. V. Biju,	Assistant Professor, Department of Physics, University of Kerala, Kariavattom,			06-11-09
	2	Dr. M. Sankarasarma,	Associate professor, Govt. Women's College, Trivandrum			06-11-09
	3	Mr. Radhakrishnan. S.R	Research Scholar, Department of optoelectronics, University of Kerala, Kariavattom			06-11-09
	4	Sri. Soman Thomas	Additional Chief Engineer, Design & Public Awareness Chairman, Nuclear Power Station, Kudankulam			30/01/12.
	5	Sri VP Sunil	Senior Commissioning engineer, operation, Nuclear			30/01/12.

			power station, Kudankulam					
	6	Sri V D Ajith	Scientific officer, Reactor physics group , Nuclear power station, Kudankulam			30/01/12.		
	7	Sri. S. Anil kumar	Scientific officer, Nuclear power station, Kudankulam			30/01/12.		
	8	Sri Reji K Dhaman	Senior research fellow Dept. of optoelectronics University of Kerala, Kariavattom			15-3-2013		
	9	Dr T E Girish	Associate professor,Department of Physics, University college, TVPM			20-12-2011		
	10	Dr K G Gopachandran	Assistant professor, Dept of optoelectronics, university of Kerala, Kariavattom,			27-3-2013		
	11	Dr S K Sudheer	Dept of optoelectronics university of Kerala, Kariavattom			19-3-2014		
	12	Dr. Prince P R	Asst. Prof., Dept. of Physics, Govt. Arts College, Thiruvananthapuram			20-8-2014		
	13	Dr.Premlet	Associate Professor at TKM College of Engg, Kollam.			20-8-2014		
25	Seminars/ Conferences/Workshops organized & the source of funding							
.	a. National Nil							
	b. International Nil							
	Sl.N o	Type of Programme	Title of Programme	Period	Funding Agency	Amount utilized		
26	Student profile programme/course wise:							
.	Course	Year	Applications received	Selected	Enrolled		Pass %	University Ranks
					M	F		
	B Sc Physics	2009-2010	790	44	18	26	100%	nil
	CBCSS in Physics	2010-2011	788	33	18	15	96.5%	nil
	CBCSS in Physics	2011-2012	1500	37	15	22	95.1%	nil
	CBCSS in Physics	2012-2013	2080	30	13	17	93.75	nil
	CBCSS in Physics	2013-2014	2659	37	15	22	92.8%	nil
27	Diversity of Students							
.	Name of theCourse		% of students from the same state		% of students from other States		% of students from abroad	
	UG in Physics		100		nil		nil	
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?			UGC CSIR NET –1- Anshad-(2009 Batch) NET-2 students –Shahinaand Anzy(2011 Batch) Defence services-20				
29	Student progression							
.		2009-10	2010-11	2011-12	2012-13	2013-14		
	UG to PG	12	13	12	11	11		
	PG to M Phil	1	1	1	Ongoing PG course	Ongoing PG course		
	PG to Ph.D.	1	0	0				
	Ph.D. to Post-Doctoral	nil	nil	nil				
	Employed - Campus selection	0	1	0				

	- Other than campus recruitment	10	10	8	2	2
	Entrepreneurs hip/Self-employment	23	24	20	6	4
30	Details of Infrastructural facilities					
	i	Library		1734		
	ii	Internet facilities for Staff & Students		Yes		
	iii	Class rooms with ICT facility		Yes		
	iv	Laboratories		Yes		
31	Number of students receiving financial assistance from college, university,government or other agencies					
	Name of the scholarship		Funding Agency		Year	No: of students
	SC, OBC, OEC, KPCR, Suvarna jubilee merit scholarship Post metric scholarship,		State government & Central Government		2009-2010	38
2010-2011					30	
2011-2012					33	
2012-2013					30	
2013-2014					29	
32	Details on student enrichment programmes (special lectures / workshops /seminar) with external experts					
	Resource person		Program		Year	
	Dr. V. Biju		Spectrum Seminar Series		06-11-2009	
	Dr. T E Girish		Spectrum Seminar Series		20-12-2011	
	Dr. K G Gopachandran		Spectrum Seminar Series		27-03-2013	
	Dr. S K Sudheer		Spectrum Seminar Series		19-03-2014	
	Dr. Prince P R		Invited lecture		20-08-2014	
	Dr.Premlet		Invited lecture		20-08-2014	
33	Teaching methods adopted to improve student learning					
	<ul style="list-style-type: none">• Introductory classes to acquaint students with the syllabus.• The institute provides remedial classes for the needy students• Educational/learning needs of advanced learners are identifiedthrough classroom interactions, assignments & class tests.• Learning tools like PC's, LCD projector, white board, open book scanner, printers etcare used in classrooms to enrich the learning experience.• Providing guidance for reference books, tutorial classes, interactive sessions and class tests• Addresses of relevant websites are given.• Intra-departmental seminars, departmental news letters, display of charts on relevant scientific inventions on the notice board etc• Students are actively participating NCC, NSS and various club activities					
34	Participation in Institutional Social Responsibility (ISR) and Extension activities					
	Science Forum organizes different extension and outreach programmes around the year. Students of the department actively participate in the extension activities of NSS unit.					
35	SWOC analysis of the department and Future plans					
	Strength: <ul style="list-style-type: none">• The great strength of students belonging to weaker sections of the society manifest our social commitment to the academic uplift of the marginalised.• Extensive use of library materials by the faculty and students.					

	<ul style="list-style-type: none"> • All members of faculty have research degrees: two PhD, two M.Phil. Students get the opportunity to interact with faculty members who have research experience in new areas of Physics and Technology like Nanotechnology, MST Radar, Spectroscopy, Material science, Space science etc. • Separate labs for general experiments and electronics, dark room for conducting experiments related to optics and a computer lab. • About 10 to 12 students get admission to PG program and the rest of students may get admission to MBA, MCA, B Ed, and computer related IT courses • Although not sufficient in number we have modern teaching –learning tools like PC's, LCD projector, white board, open book scanner, printers etc <p>Our Weaknesses:</p> <ul style="list-style-type: none"> • Loss of time due to the delay in admission, other formalities, socio-political problems and natural calamities. • Even though the students are meritorious, their socio-economic backgrounds are poor. • Lack of space in the existing labs. • No separate class rooms for first and second year students <p>Our Opportunities:</p> <ul style="list-style-type: none"> • Substantial potential for enhancing/expanding its educational operations by bringing about innovative changes in teaching-learning-evaluation, library resources and laboratory resources with the support of its qualified teachers. <p>Challenges:</p> <ul style="list-style-type: none"> • Lack of sufficient infrastructure • Hectic schedule under CBCSS system • Lack of PG Course and research centre <p>Future Plans</p> <ul style="list-style-type: none"> • To upgrade to a PG department in the near future.

DEPARTMENT OF CHEMISTRY

1.	Name of the Department		Chemistry				
2.	Year of Establishment		UG-1968; PG-1998 ; Ph.D.-2010				
3.	Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)		UG		PG		Ph.D.
			B.Sc. Chemistry		M.Sc. Chemistry		Chemistry
4.	Names of Interdisciplinary courses and the departments/units involved		Name			Depts. involved	
			Open course ‘Fundamentals of Chemistry & its applications to everyday life’			Botany, Zoology, Maths, Physics, Geology	
5.	Annual/ semester/choice based credit system (programme wise)		UG			PG	
			Choice Based Credit and Semester System			Semester	
6.	Participation of the department in the courses offered by other departments		Participates in the open course offered by other departments.				
7	Courses in collaboration with other universities, industries, foreign institutions, etc.		The Project work of selected PG students are carried out in premier research institutes like NIIST, NCESS and VSSC. This gives the students an opportunity to carry out research in frontier areas and familiarise them with many sophisticated instruments.				
8.	Details of courses/programmes discontinued (if any) with reasons		Nil				
9.	Number of Teaching Post		Sanctioned			Filled	
			10			Associate Professor	9
						Assistant Professor	1
10.	Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)						
	SL. No	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
	1.	Dr. C.R Kalakumari	M Sc, M Phil, B Ed,Ph D	Associate Professor	Inorganic chemistry	31	
	2.	Dr. K.P Jayasree	M Sc, M Phil, Ph D	Associate Professor	Physical orgqanic	31	
	3.	Dr. T. Suresh	M Sc, M Phil, Ph D	Associate Professor	Organic chemistry	31	
	4.	Dr. R. Revamma	M Sc, Ph D	Associate Professor	Organic chemistry	31	
	5.	Dr. IG. Shibi	M Sc, M Phil, Ph D	Associate	Medicinal		

				Professor	chemistry	31	3
	6.	Dr. K. Vijayakumar	M Sc, M Phil, Ph D	Associate Professor	Theoretical chemistry	31	
	7.	Dr. V. Bhagavathy	M Sc, Ph D	Associate Professor	Analytical chemistry	19	
	8.	Dr. S. Suma	M Sc, Ph D	Associate Professor	Co-ordination chemistry	19	10
	9.	Dr.ReenaRavindran	M Sc, Ph D	Associate Professor	Co-ordination chemistry	18	7
	10.	Sri. Abhilash S	MSc	Assistant Professor	Theoretical chemistry	5	
11.	List of senior visiting faculty			Dr. M.Viswanathan Prof T.N Manoharan Dr. Abraham George			
12.	Percentage of lectures delivered and practical classes handled(programme wise)by temporary faculty			UG		PG	
				0		0	
13.	Student -Teacher Ratio (programme wise)			UG		PG	
				1:32		1 : 6	
14.	Number of academic support staff (technical) and administrative staff			UG		PG	
				sanctioned	filled	sanctioned	filled
				3	2	2	1
15.	Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.						
	SL.No	Name	Qualification				
	1.	Dr.Kalakumari C.R.	M. Sc, M Phil, B Ed. ,Ph D				
	2.	Dr. KP Jayasree	M. Sc, M Phil, Ph D				
	3.	Dr. T. Suresh	M. Sc, M Phil, Ph D				
	4.	Dr. R. Revamma	M. Sc, Ph D				
	5.	Dr. IG. Shibi	M. Sc, M Phil, Ph D				
	6.	Dr. K. Vijayakumar	M. Sc, M Phil, Ph D				
	7.	Dr. V. Bhagavathy	M .Sc, Ph D				
	8.	Dr. S. Suma	M .Sc, Ph D				
	9.	Dr.ReenaRavindran	M. Sc, Ph D				
	10.	Sri. Abhilash. S	M.Sc.				
	Guest Faculty NIL						
16.	Number of faculty with ongoing projects						
	a) Nationalfunding agencies and grants received- Three						
	Sl. No	Name of Faculty/Department	Major /Minor	Topic		Details of the grant	
						Funding Agency	Amount (lakhs)
	1.	Dr. I.G. Shibi	Minor	Physico-chemical Characterization some metal based traditional medicines		UGC	2.50
	2.	Dr.S.Suma	Minor	Lewis adducts, co-crystals and its metal complexes-molecular engineering, structural studies and screening for pharmaceutical applications(ongoing)		UGC	1.50

	3.	Dr.Reena Ravindran	Minor	Studies on metal-organic frame works of some heterocyclic compounds	UGC	1.30	
b) International funding agencies and grants received					Nil		
17.	Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received						
The department got DST-FIST support in 2008-2009.							
Major Project (Completed)							
	Sl. No	Name	Title		Fundi ng agency	Durat ion (years)	Amount (lakhs)
	1.	Dr. I.G. Shibi	Physico- chemical Characterization and Evaluation of Metal Based Siddha Medicines		UGC	3	7.16
Minor Projects (Completed)							
	Sl. No	Name	Title		Fundi ng agenc y	Dura tion (year s)	Amount (lakhs)
	1.	Dr.R.Revamma	Pasting and rheological properties of cassava starch in presence of added chemicals.		UGC	2	0.85
	2.	Dr. I.G. Shibi	Modified Banana for the removal of some orange Dyes from aqueous solutions- Evaluation of kinetic and Thermodynamic Parameters		UGC	2	0.60
18.	Research Centre /facility recognized by the University:						
	Sl. No	Year sanctione d	Research Guides	No.of PhDs		Research scholars at present	Topic
				Prod uced	submitte d		
	1.	2010	Dr. I. G.Shibi	-	-	Jisha.Rs	Physico-chemical and insilicoanalysisof some traditional Indian medicines
						Jaikumar.S.	Physico-chemical and insilico analysis for evaluating the druggability of some ayurveda and siddha medicinal preparations
						Aswathy.L.	Analytical and computational method to validate some traditional Indian medicines
	2.		Dr. S. Suma	5	-	Asha.A.	Metal complexes of Schiff Bases

						Binimol Mary Mathew	Preparation,characterization and structural studies of some Lewis Acid- Base Adducts and cocrystals
						Suji.C.S.	Crystal growth and structural studies of metal complexes for technological applications
						Reshmi Jaya Raveendran	Studies on metal complexes of pyrazolone derivatives
						Jiju KR.	Metal complexes of imidazol and hydrazones
3.		Dr.ReenaRavindran	2		Bijili B.K	Studies on metal complexes of some ONS donor ligands	
					Minitha.R	Synthesis and characterization of metal complexes of hydrazones	
					Arulja J Mohan	Studies On Some Metal Complexes Of N-Heterocyclic Compounds For Photophysical Applications	
					Divya Mohan	Synthesis, Structural Characterization And Photophysical Studies Of Some Metal Complexes Of Heterocyclic Azo Dyes.	
					Roshni Thomas	Studies on Spectral and Structural Aspects of Metal Complexes of Hydrazones	
	4.		Dr. V. Bhagavathy	-	-	-	
19.	Publications:						
	Dr.K.P.Jayasree						
	Sl.No	Publication					National/ International

1.	"A mechanistic approach to solvolysis of n-caproyl chloride in solutions of acetone and acetonitrile with nucleophilic solvents", <i>Oriental Journal of Chemistry</i> , 25 , 2009	National
Dr. I.G. Shibi		
Sl.No	Publication	National/ International
1.	"Optimization of Antimalarial Activity of Synthetic Prodiginines: QSAR, GUSAR, and CoMFA analyses", <i>Chemical Biology & Drug Design</i> , 81 , 2013 , (2.507), John Wiley & Sons Ltd	International
2.	"Validity of Refutas equation to ideal and non- ideal liquid mixtures", <i>International Journal of Science & Technology</i> , 1 , 2012 , (0.675)	International
3.	"k-NN, quantum mechanical and field similarity based analysis of xanthone derivatives as α -glucosidase inhibitors", <i>Medicinal Chemistry Research</i> , 21 , 2012 , (1.612), Springer US	International
4.	"Physico-Chemical Analysis of ArumugaChendooram", <i>International Journal of Research in Ayurveda and Pharmacy</i> , 3 , 2012 , Moksha Publishing House	International
5.	"Molecular docking and 3D QSAR studies of quinoxaline derivatives as potential influenza NS1A protein inhibitors", <i>Journal of Computational Methods in Molecular Design</i> , 1 , 2011 , Scholars Research Library	International
Dr.S.Suma		
Sl.No	Publication	National/ International
1.	"Crystal Growth, Spectral, Magnetic, Antibacterial and Antifungal Studies of Co (II) and Ni (II) Complexes of 4-Nitrobenzoic Acid", <i>Journal of the Korean Chemical Society</i> , 58 , 2014 , (0.191), Korean Chemical society	International
2.	"Spectral, thermal, structural and microhardness studies of tetraaquabis (malonato) cadmium (II) copper (II): A new three-dimensional heterobimetallic framework system", <i>Inorganica Chimica Acta</i> , 409 , 2014 , (2.041), Elsevier	International
3.	"Synthesis, spectral characterization, thermal and biological studies of lanthanide (III) complexes of oxyphenbutazone", <i>Journal of Rare Earths</i> , 32 , 2014 , (1.342), Elsevier	International
4.	"Spectral, thermal and structural studies of an acetate bridged polymeric cadmium (II) complex: Poly [aqua (μ -acetato)(4-aminobenzoato) cadmium (II) monohydrate]", <i>Inorganic Chemistry Communications</i> , 40 , 2014 , (2.062), Elsevier	International
5.	"(2E)-2-Benzylidene-N-phenylhydrazinecarboxamide", <i>Acta Crystallographica E</i> , 70 , 2014 , (0.35), International Union of Crystallography	International
6.	"Spectral, Thermal and Structural Studies of Poly[μ -acetato(4-aminobenzoato)lead(II) monohydrate]: A Polymeric Hydrated Lead(II) Complex with Acetate Bridges", <i>Journal of Inorganic and Organometallic Polymers</i> , 23 , 2013 , (1.17), Springer	International

7.	"Growth, spectral and thermal characterization of vanillin semicarbazone(VNSC) single crystals", <i>Journal of Thermal analysis and Calorimetry</i> , 111 , 2013 , (2.206), Springer	International
8.	"Synthesis and spectral characterization of lanthanide complexes with 1,2-diphenyl-4-butyl-3,5 pyrazolidinedione: Luminescent property of Tb(III) complex", <i>Journal of Rare Earths</i> , 30 , 2012 , (1.342), Elsevier	International
9.	"Spectral, thermal, structural, dielectric and microhardness studies of gel grown diaquasuccinaticadmium(II)hemihydrates", <i>Spectrochimica Acta A</i> , 93 , (2.129), Elsevier	International
10.	"Growth, spectral, and thermal characterization of 2-hydroxy-3-methoxybenzaldehyde semicarbazone", <i>Journal of Thermal analysis and Calorimetry</i> , 112 , 2012 , (2.206), Springer	International
11.	"Synthesis, spectroscopic characterization, and antimicrobial activity of cobalt(II) complexes of acetone-N(4)-phenylsemicarbazone: crystal structure of [Co(HL) ₂ (MeOH) ₂](NO ₃) ₂ ", <i>Transition Metal Chemistry</i> , 36 , 2011 , (1.402), Springer	International
12.	"FT-IR and FT-Raman spectral studies and DFT calculations of tautomeric forms of benzaldehyde-N(4)-phenylsemicarbazone", <i>Indian Journal of Chemistry</i> , 50A , (0.628), CSIR	National
13.	"Growth and characterization of a new polymorph of lead succinate: A promising NLO material", <i>Journal of Crystal Growth</i> , 319 (1), 2011 , (1.693), Elsevier	International
14.	"Synthesis, Spectral and Thermal Studies of Lanthanide (III) Complexes of Phenylbutazone", <i>Journal of the Korean Chemical Society</i> , 55 , 2011 , (0.191), Korean chemical society	International
15.	"FT-IR, FT-Raman and Computational Study of Ethyl Methyl Ketone Semicarbazone", <i>International Journal of Industrial Chemistry</i> , 2 , 2011 , (0.256), Springer	International
16.	"Synthesis, spectral characterization and thermal studies of zirconyl complexes of biologically active ligands", <i>Journal of thermal analysis and calorimetry</i> , 99 , 2010 , (2.206), Springer	International
17.	"Synthesis and spectral characterization of alkaline earth metal complexes :crystal structure of Ca(II) hippuric acid complex", <i>Polyhedron</i> , 29 , 2010 , (2.047), Elsevier	International
18.	"Synthesis and spectral characterization zinc(II) and cadmium(II) complexes of acetone-N(4)-phenylsemicarbazone: Crystal structures of acetone-N(4)-phenylsemicarbazone and a cadmium(II) complex", <i>Polyhedron</i> , 29 , 2010 , (2.047), Elsevier	International
19.	"Synthesis, characetrisation and physiochemical information, along with antimicrobial studies of some metal complexes derived from an ON donor semicarbazone ligand", <i>Spectrochimica Acta A</i> , 76 , 2010 , (2.019), Elsevier	International
20.	"Vibrational spectroscopic studies and computational; study of ethyl methyl ketone", <i>Journal of Molecular Structure</i> , 969 , 2010 , (1.599), Elsevier	International

21.	"Synthesis and characterization of metal complexes of orthovanillinthiosemicarbazone", <i>Oriental Journal of Chemistry</i> , 25 , 2009 , (0.463),Oriental scientific publishing company		National	
Dr.ReenaRavindran				
Sl.No	Publication		National/ International	
1	“Structural studies of 1-phenyl-2,3-dimethyl-5-oxo-1,2-dihydro-1H-pyrazol-4-ammonium 2[(2-carboxyphenyl) disulfanylbenzoate”, <i>Journal of Molecular Structure</i> , 1021 (147–152), 2012, (1.404) , Elsevier		International	
2	“FT-IR, FT-Raman and computational study of 1H-2,2-dimethyl-3H-phenothiazin-4[10H]-one”, <i>Journal of molecular structure</i> , 985 (316-322) 2011, (1.404) , Elsevier		International	
20.	Areas of consultancy and income generated			
<p>The institution provides consultancy in various areas which have significant impact on industry, innovative research areas, and society. A few instances are cited below. Dr. IG Shibi of the Department of Chemistry has extended the application of his expertise to the Siddha research foundation for the quality standardisation and physico-chemicalstudies of synthetic pathway of siddha medicines.</p> <p>Dr I.G.Shibi has been consulted by the NIIST for the computational verification of the anti-tuberculosis molecules synthesised in the lab of NIIST by twenty students from different colleges of the state for testing the efficacy of the molecules as drugs.</p> <p>Dr.I.G.Shibi has extended his service as a consultant to various colleges for the implementation of the green analytical techniques by Microscale analysis, which is recently introduced in colleges under the University of Kerala. He was invited as special invitee resource person to propagate the same in the Indian Science Congress held at Mumbai from 2nd -7th Jan 2015.</p> <p>Our instruments like FTIR, UV- Visible spectrophotometer, etc. are made use of by outside researchers. The college facilitates expert service in the interpretation of the outcome of the experiments with the instruments.</p> <p>Academic consultancy extended to research scholars of nearby Research Centres.</p>				
21.	Faculty as members in	National committees	International Committees	Editorial Boards
		-	-	-
	Dr C.R Kalakumari			Editorial Board member -LOGOS
	Smt . M. Bino			Editorial Board member - LOGOS
	Dr.Reena Ravindran			Managing Editor-LOGOS (ISSN 2349-3836)
22.	Student projects			
	Percentage of students who have done in-house projects including inter departmental/programme	UG		PG
		100		50
	Percentage of students placed for projects in organizations			

	outside the institution i.e.in Research laboratories/Industry/ other agencies			0	50	
23.	Awards / Recognitions received by faculty and students					
	Sl.No	Name	Faculty/Student	Awards/Recognition	Awarding Body	Year
	1.	Binimol Mary Mathew& Suma.S	Ph.D.Student	BestPoster Presentation	MarIvanios College	2014
	2	Minitha R& Reena Ravindran	Ph.D.Student	2 nd Best Poster Presentation	S.N. College for Women, Kollam	2014
	3	Minitha R& Reena Ravindran	Ph.D.Student	2 nd Best Poster Presentation	Mar Ivanios College	2014
	4.	Jisha R.S& Shibi I.G	Ph.D.Student	Best Oral Presentation	Swadeshi Science Congress	2014
				Best Oral Presentation	Rajeev Gandhi Centre for Biotechnology	2014
				Best Poster Presentation	S.N. College for Women, Kollam	2014
24.	List of eminent academicians and scientists / visitors to the department					
	Sl.No	Name	Designation	Topic	Date	Year
	1.	Dr. UC. Abdul Jaleel	HOD of Chemoinformatics, Malabar Christian College, Calicut	In Silico drug design	20-11- 2009	2009- 10
	2	Dr.G.Jayakumar	Principal, MMNSS College, Kottiyam	Organic Spectroscopy	28-03-2009	2008-2009
	3.	Prof. R.K Sharma	Professor, University of Delhi	Green Chemistry	15-12-2011 16-12-2011	2011-12
	4.	Dr. Suresh Chandra kumar.M	Professor, Scott Christian College, Nagercoil	Green Chemistry		
	5.	Dr. Jayasree E.G	Assistant Professor, Dept of Chemistry, University of Kerala	Perspectives of quantum chemistry	27-3-2013	2012-13
	.6	Dr.M.S.Suseelan.	Former Principal, Govt College, Attingal	Some enticing aspects of Chemistry	20-3-2014	2013-14
	7.	Dr. S. Murugan	Former Head of the Department of Chemistry, S.T Hindu College, Nagercoil	Microscale Analysis	8-7-2014	2014-15
	8.	Ershad Abubacker	Coordinator Royal Society of Chemistry	Frontiers of Chemistry	26-06-2014	2014-15
25.	Seminars/ Conferences/Workshops organized & the source of funding National / International					

Sl. No	Type of Programme	Title of Programme	Period	Funding Agency	Amount utilized			
1.	State Level Workshop	Organic Spectroscopy	28.03.2009	ACT	Rs.6000/-			
2.	Regional Seminar, Spectrum	In Silico drug design	20.11.2009	PTA	Rs 2000 and other expenses			
3.	National Workshop	Structure and Ligand based Drug Design	6 & 7.5.2010	ACT	Rs.32500/-			
4.	National Seminar	National Seminar on Green Chemistry	15 to 16 Dec 2011	UGC	Rs. 100000/-			
5.	Regional Seminar	Perspectives in Quantum Chemistry	27.03.2013	PTA	Rs. 2000 and other expenses			
6.	Regional Seminar	Some enticing aspects of Chemistry	20.03.2014	PTA	Rs. 2000 and other expenses			
7.	Interactive session	Ershad Abubacker, Royal Society of Chemistry	26.06.2014	Department	Rs.1000/-			
8.	Training Programme	Scifinder, American Chemical Society,SCI-EDGE Information, Pune	17.07.2014	Sponsored by Scifinder	Rs.5000/-			
9.	Seminar cum Workshop	Microscale Analysis	08.07.2014	PTA	Rs.2500/-			
26.	Student profile programme/course wise:							
	Course	Year	Applications received	Selected	Enrolled		Pass %	University Ranks
	B.Sc				M	F		—
		2009-2010	692	37	12	25	79	—
		2010-2011	830	38	12	24	69	—
		2011-2012	825	36	11	22	51	—
		2012-2013	2521	34	9	24	81	—
		2013-2014	2577	36	8	28	53	—
		2014-2015	2892	38	9	29	-	—
	M.Sc	2009-2010	136	13	2	11	85	4
		2010-2011	182	13	3	10	84	—
		2011-2012	257	16	2	14	100	4
		2012-2013	635	13	1	12	81	—
		2013-2014	734	13	1	12	70	—
		2014-2015	585	13	1	12	-	—
27.	Diversity of Students							
	Name of theCourse		% of students from the same state		% of students from other States		% of students from abroad	
	MSc Chemistry		100		0		0	
	BSc Chemistry		100		0		0	

28.	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?			Exam	Year	No. of students		
				NET /GATE	2007-2009	A.Ashalatha UGC-JRF		
					2008-2010	A.Shine CSIR-JRF& P.J Praveen CSIR-JRF		
					2009-2011	V.S.Athira-Lectureship		
					2010-2012	L.Aswathy CSIR-JRF		
			SET	2007-2009	R.Raghi			
29	Student progression							
UG		2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	
	UG to PG	9	9	9	9	15	10	
	PG to M Phil	-	-	3	-	-	-	
	PG to Ph.D.	3	-	-	-	-	-	
	Ph.D. to Post-Doctoral	-	-	-	-	-	-	
	Employed - Campus selection	-	--	--	--	--	--	
	Other than campus recruitment	2	7	5	-	-		
	Entrepreneurship/Self-employment	12	14	15	10	11	13	
PG	PG to M Phil	-	1	3	-	-	-	
	PG to Ph.D.	3	1	-	-	-	-	
	Ph.D. to Post-Doctoral	-	-	-	-	-	-	
	Employed - Campus selection	-	-	-	-	-	-	
	Other than campus recruitment	4	5	5	-	1	-	
	Entrepreneurship/Self-employment	5	5	6	4	4	-	
30.	Details of Infrastructural facilities							
	i	Library		2605 books, 12 Journals				
	ii	Internet facilities for Staff & Students		Computer lab with internet facility 14 computers(i7-1)				
	iii	Class rooms with ICT facility		Class room with ICT- 1				
	iv	Laboratories		Computer lab-2, Research lab-1,Instrumentation lab-3 UG & PG wet lab -3				
31.	Number of students receiving financial assistance from college, university, government or other agencies							
	Name of the scholarship		Year		Funding Agency		No: of students	
	Indira Gandhi PG Scholarship for Single Girl Child (20,000/Year)		2007-2009		Central government		3	
			2009-2011				1	
			2010-2012				1	
	ASPIRE(PG)		2009-2010				1	
2010-2011			1					

	University Rank Holders Scholarship(PG)	2010-2011	State Government	1
		2011-2012		1
Merit Scholarship(PG)	2009-2010	2		
SC/ST,OBC,OEC(PG)	2009-2010	10		
	2010-2011	13		
	2011-2012	8		
	2012-2013	9		
	2013-2014	7		
SC/ST,OBC,OEC(UG)	2009-2010	22		
	2010-2011	35		
	2011-2012	31		
	2012-2013	26		
	2013-2014	27		

32.	Details of student enrichment programmes (special lectures / workshops /seminars) with external experts			
	Resource person		Program	Date & Year
	1	Dr.T.N .Manoharan	Statistical Mechanics	August, 2012
	2	Dr.P.K. Viswanathan	Stereochemistry	15.12.2011
	3	Dr. G. Raveendran	Chemical kinetics	5.10.2011
	4	Dr .M.S. Suseelan	Organic Reaction mechanism	26-06-2011
	5	Dr. Abraham George	Computational chemistry	20.08.2011
	6	Dr.M.R..Sudarsanakumar	Group Theory and Symmetry	18-09-2011
	7	Dr.G.Krishnan	Organometallic Chemistry	09-07-2011
	8	Dr. V. Thampidas	Bioinorganic Chemistry	6.12.2010

	9	Mr. S. Vijayakumar	Thermodynamics	24-09-2011
	10	Dr. M.N.Peethambaran	Retro Synthesis	06-08-2011
	11	Dr. E.G .Jayasree	Perspectives in Quantum Chemistry	27-03-2013
	12	Dr. U.C. Abdul Jaleel	1. Structure and Ligand Based Drug Design 2. In Silico Drug Design	20-11-2009 06-05-2010
	13	Dr Rangaswamy	3. In Silico Drug Design	06-05-2010
	13	Dr.A.Salahudeen Kunju	Quantum Mechanics	02-07-2011
	14 15 16	Dr.R.K.Sharma Dr.R.Rajeev Dr.Suresh Chandrakumar.M.	Green chemistry	15-12-2011 & 16-12-2011
	17	Mr. Erdhad Abubacker	Interactive Session, Frontiers of Chemistry	26.06.2014
	18	Dr. S. Murugan	Seminar cum workshop Microscale Analysis	08.07.2014
	19	Ms. Sherin Mary Samji	Training Session, Scifinder, American Chemical Society,SCI-EDGE Information, Pune	17.07.2014
Workshops /Seminars attended by students				
	1.	National Seminar on 2D-NMR Spectroscopy& Computational Chemistry	Govt. Women's College ,Trivandrum.	29.11.2011
	2.	National Seminar on Tomorrow's material Science.	Govt. Women's College ,Trivandrum.	11-10-2013
	3.	National Seminar on Green Chemistry	Mar Ivanios College, Trivandrum.	9-10-2014 & 10-10-2014
	4.	Regional Seminar on Quantum Chemistry and Statistical Mechanics	M.G. College, Trivandrum	25-10-2014
	5.	Workshop for College Chemistry Students and Teachers	FCBS, Trivandrum Chapter	October 2009
	6.	Workshop for College Chemistry Students and Teachers	FCBS, Trivandrum Chapter	31-10-2014 to 01-11-2014
33.	Teaching methods adopted to improve student learning <ul style="list-style-type: none"> ➤ Presentations using Audio-Visual aids such as LCD Projector by both faculty and students ➤ Demonstration of symmetry and stereo chemical aspects using molecular models. ➤ Group Discussions ➤ Giving innovative assignments ➤ Quiz, Class Magazine, Wall Magazine to relate class room to outside world ➤ Peer Teaching 			
34.	Participation in Institutional Social Responsibility (ISR) and Extension activities			

	<p>Water Analysis : Water is collected from the wells and ponds of nearby places and analysis such as BOD,COD and other Physico chemical parameters are carried out to test the purity of water. This venture is facilitated by the support offered by the prestigious Research Institution NCESS, Thiruvananthapuram.</p> <p>Environmental Awareness campaign: The campaign is organised in the campus and locality.</p>
35.	<p>SWOC analysis of the Department and Future plans</p> <p style="text-align: center;">STRENGTHS</p> <ul style="list-style-type: none"> ➤ Well Qualified Faculty with Research Degrees: 9 out of the total 10 have PhD. ➤ Well Experienced Teachers: Six with more than thirty years experience. ➤ DST- FIST supported department, hence well equipped laboratories with sophisticated instruments such as IR, UV and Flame Photometer. ➤ An approved Research centre of the University of Kerala. ➤ Four approved Research Guides of the University of Kerala. ➤ High motivation to students to pursue a research career and conduct of coaching classes for UGC-CSIR NET. Many of our students qualify the NET for JRF and lectureship. ➤ Successful student participation in UGC/CSIR-JRF NET coaching class ➤ Facilitation of research opportunities to MSc students in premier research institutes like NIIST, CESS, VSSC, English Indian Clays, CTCRI and Research Centre, Ayurveda College thereby providing opportunity to join these institutions as Research Associates, Project Fellows etc. ➤ Facilitation of an environment friendly and energy saving initiative by installing rain water harvesting unit with good filtering quality, ensuring uninterrupted water supply in the Department. <p style="text-align: center;">WEAKNESSES</p> <ul style="list-style-type: none"> ➤ Most of our students belong to rural areas and economically disadvantaged group. ➤ The students are not very proficient in the use of computers at the time of admission. ➤ The escalating cost of chemicals is a financial crunch to run laboratory courses. ➤ A few of our students earn their livelihood by undertaking part time jobs. It makes them skip the extra classes held on holidays. ➤ Lack of sufficient public transport facility and traffic jams prevent many students from reaching the college on time. ➤ The lack of aptitude on the part of students adversely affects the exam results. To overcome that the teachers will have to make extra efforts. ➤ Unpleasant family atmosphere prevents many students from doing their homework properly. ➤ Escalating service charges and prices demand more funds for maintenance of equipments. <p style="text-align: center;">OPPORTUNITIES</p> <ul style="list-style-type: none"> ➤ The Department carried out water analysis by collecting water from wells and ponds of nearby areas. A nominal amount can be collected for this. That provides a source of income to the Department and enables the Department to be of service to the community. ➤ The expertise in research available in the department can open up new collaborations with research institutes and academic institutions. ➤ The know-how available can embark on consultancy services by the faculty. ➤ The new molecules and new materials discovered can be patented for various applications. <p style="text-align: center;">CHALLENGES</p> <ul style="list-style-type: none"> ➤ Every year at least a few students discontinue their studies to join job oriented courses in other institutions. (BSc Nursing, MLT etc.) ➤ Poor communication skills prevent at least a few students in performing well during the Viva-voce. <p style="text-align: center;">FUTURE PLAN</p> <ul style="list-style-type: none"> ➤ The Department proposes to develop it into an advanced research centre in drug discovery and new materials. ➤ The department can start an innovative course on drug designing with the support of UGC. ➤ It also proposes to organise an International Conference to enthuse our research scholars and PG students to high quality research. ➤ The department intends to organise extension activities related to water analysis, environmental awareness, food adulteration on a regular basis. ➤ The bright students of our college will be given an opportunity to organise programmes for science popularisation in the neighbouring schools.

DEPARTMENT OF BOTANY

1.	Name of the Department	Botany					
2.	Year of Establishment	1968					
3.	Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)	UG	PG		Ph.D		
		B.Sc Botany	Nil		Nil		
4.	Names of Interdisciplinary courses and the departments/units involved	Name			Departments. involved		
		Open Course - Mushroom cultivation			All other departments		
5.	Annual/ semester/choice based credit system (programme wise)	UG - Choice Based Credit and Semester System					
6.	Participation of the department in the courses offered by other departments	Participates in the Open Course offered by other departments					
7	Courses in collaboration with other universities, industries, foreign institutions, etc.	Nil					
8.	Details of courses/programmes discontinued (if any) with reasons						
9.	Number of Teaching posts	Associate Professors	Sanctioned		Filled		
			4		4		
		Asst. Professors					
10.	Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)						
	SL. No	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D.Students guided for the last 4 years
	1.	Smt. S. Gadha	M Sc, B Ed	Associate Professor	Gymnosperm, Bryophyta	30	
	2.	Dr. Suma BS	M Sc, M.Phil, Ph.D	Associate Professor	Algae	17	
	3.	Dr. Devipriya V	M Sc, M.Phil, Ph.D	Associate Professor	Angiosperm, systematics and population genetics	24	
	4.	Dr. KR. Kavitha	M Sc, M.Phil, Ph.D, B.Ed.	Assistant professor	Genetics	10	
11.	List of senior visiting faculty						

12.	Percentage of lectures delivered and practical classes handled(programme wise)by temporary faculty		0			
13.	Student -Teacher Ratio (programme wise)		1:32			
14.	Number of academic support staff (technical) and administrative staff		sanctioned	filled		
			3	3		
15.	Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.					
	Sl.No	Name	Qualification			
	1.	Smt. S. Gadha	M Sc, B Ed			
	2.	Dr. Suma BS	M Sc, M.Phil, Ph.D			
	3.	Dr. Devipriya V	M Sc, M.Phil, Ph.D			
	4.	Dr. KR. Kavitha	M Sc, M.Phil, Ph.D			
	Guest Faculty					
	Nil					
16.	Number of faculty with ongoing projects from					
	a) Nationalfunding agencies and grants received					
	Name of Faculty/Departm ent	Major /Minor	Topic	Details of the grant		
				Funding Agency	Amount	
	Dr. Devipriya V.	Minor	Microstructural analysis of pollen and genetic diversity study in species of Jasminum L. from Kerala using RAPD markers	UGC	160000	
	b) Internationalfunding agencies and grants received			Nil		
17.	Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received					
	Major Projects Nil					
	Sl. No	Name	Title	Fund ing agency	Durat ion (years)	Amount
	1.					
	2.					
	Minor Projects					
	Sl. No	Name	Title	Fund ing agency	Durat ion (years)	Amount (in lakhs)
	1.	Dr. Devipriya V.	Microstructural analysis of pollen and genetic diversity study in species of Jasminum L. from Kerala using RAPD markers	UGC	2	1.60
	18.	Research Centre /facility recognized by the University		Nil		

19. Publications:		
Smt. Gadha S.		
Sl. No	Publication	National/ International
1.	"A Checklist of the Flowering Plants of Napier Museum Campus, Thiruvananthapuram, Kerala", <i>Logos</i> , 1, 2014 , SNC Chempazhanchy	State level,
Dr. Suma B.S		
Sl. No	Publication	National/ International
1.	"Algal flora of effluent canal of KMML Industry, Chavara, Kollam Dist. Kerala", <i>Journal of Economic and Taxonomic Botany</i> , 34, 2011 ,	National
2.	"Physico-chemical and Biological characterization of effluent from KMML (Kerala Metals and Minerals Limited) TiO ₂ Industry, Chavara, Kollam Dist, Kerala", <i>Journal of Phytological Research</i> , 23, 2010	National
Dr. Devipriya V		
Sl. No	Publication	National/ International
1.	"An Introduction to the Section Trifoliolata of Jasminum L. from Kerala", <i>Logos</i> , 1, 2014 , SNC Chempazhanchy	State level
2.	"A Checklist of the Flowering Plants of Napier Museum Campus, Thiruvananthapuram, Kerala", <i>Logos</i> , 1, 2014 , SNC Chempazhanchy	State level
3.	"An Introduction to the Section Pinnatifolia and Alternifoliolata of Jasminum L. from Kerala", <i>The Researcher</i> , 2014 , SNC Punalur	State level
4.	"An Overview on the Systematics of the Celastraceae. I.", <i>The Researcher</i> , 2014 , SNC Punalur	State level
5.	"A new species of Salacia L. (Hippocrateaceae) from South India", <i>Candollea</i> , 68, 2013, (0.37) , Conservatoire et jardin botaniques de la ville de Genève	International
6.	"A new species of Salacia L. (Hippocrateaceae) from South India", <i>Edinburgh Journal of Botany</i> , 69, 2012 . Royal Botanic Garden, Edinburgh, Cambridge University Press	International
7.	"Consanguinity study in the Muslim community from, Kollam, Kerala", <i>Journal Of Cytology And Genetics</i> , 12, 2011 , The Society of Cytologists and Geneticists, India	National
8.	"Relative and attributable risks of inbreeding and genetic load in the Muslim community from Kollam, Kerala", <i>Journal Of Cytology And Genetics</i> , 12, 2011 , The Society of Cytologists and Geneticists, India	National
9.	"Antioxidant and anti-inflammatory activities of in vitro propagated Bacopamonnieri (L.) Pennell", <i>Journal of Medicinal and Aromatic Plant Sciences</i> , 32, 2010 , Central Institute of Medicinal and Aromatic Plants, Lucknow	National
10.	"Risk of blood-related marriages and counselling thereof", <i>Journal Of Cytology And Genetics</i> , 11, 2010 , The Society of Cytologists and Geneticists, India	National

11.	“Variability and correlations among quantitative epidermal features of six species of SalaciaL. from Kerala”, <i>Journal Of Cytology And Genetics</i> , 11, 2010 , The Society of Cytologists and Geneticists, India			National	
12.	“Vernoniacinerea – A neglected common road-side plant”, <i>Holistic Thought</i> ,, 9, 2010 ,SNC Kollam			State level	
13.	“Salacia Linn. – A medicinally valuable genus”, <i>Holistic Thought</i> , 8, 2009 , SNC Kollam			State level	
Dr. K.R.Kavitha					
Sl. No	Publication			National/ International	
1.	“Impact of climate change on rubber plantations with special reference to Kannur and Wayanad districts. 29-31 January”, <i>Proceedings of 24th Kerala Science Congress</i> , 2012 ,Kerala Science Congress			National	
2.	“Study of potential mutagenic effect of fruit extract of CerberaodollumGaertn. On mitosis of Root meristematic cells of Allium cepa L”, <i>Proceedings of National seminar on Biodiversity its conservation for sustainable future</i> , 2012 ,Department. Of Botany & Zoology, St. Thomas College, Ranni, Kerala			National	
3.	“Evaluation of cytotoxic potential of fruit extracts of Cerberaodollum in Allium cepa root”, <i>Indian Journal of Botanical Research</i> , 5,2009 .			National	
4.	“Effect of Cadmium sulphate on mitosis of Allium cepa L”, <i>Indian Journal of Botanical Research</i> , 4, 2008			National	
5.	“Cytomorphological studies on nine varieties of Manihotesculenta, Crantz., Sciences”, <i>Journal of Annamalai university</i> , <i>part- B</i> , 2004 , AnnamalaiUniversity,Annamalainagar,Chidambaram,Tamilnadu			National	
20.	Areas of consultancy and income generated				
21.	Faculty as members in	National committees	International Committees	Editorial Boards	
	Smt. S Gadha			Editorial Board Member- LOGOS (ISSN 2340-3836)	
	Dr Devipriya.V				
22.	Student projects				
		UG		PG	
	Percentage of students who have done in-house projects including inter departmental/programme		100%		
	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies				
23.	Awards / Recognitions received by faculty and students				
Sl. No	Name	Faculty/ Student	Awards/Recognition	Awarding Body	Year
1.	Dr.Devipriya.V,	Faculty	Epidermal and Palynological Studies of <i>Datura</i> L. and	Bharathidasan University, Tiruchirappalli.	2013

				<i>Brugmansia</i> Pers in the National Conference on Recent Trends in Plant Biotechnology (won Best Paper Award)		
2.	<u>Dr.Devipriya.V,</u>	Faculty		An introduction to the Genus <i>Jasminum</i> L.from Kerala in the National Seminar on Biodiversity, Conservation and Climate Change(BCCC-11) (won Best Paper Award).	CSIR Institute of Minerals and Materials Technology, Bhubaneswar, Odisha	2011
3.	Akhil D.T	Student		poster making – 3rd Price Kerala University Youth Festival	Kerala University	2014
24.	List of eminent academicians and scientists / visitors to the department					
Sl. No	Name	Designation	Topic	Date	Year	
1.	DR. A.Sabu	Scientific Officer, Kerala Biotechnology Commission	The fascinating world of microbes and microbial biotechnology	5-11-2009	2009-2010	
2.	DR. P.M. Radhamony	Reader, Department of Botany, University of Kerala	Reproductive strategies in higher plants			
1.	Dr.Datuk Seri LimChong,Keat	Former Chairman,Forest Research Institute,Malaysia		07-09 2012	2012-2013	
2.	Dr.P.Sreekantan Nair	Director,Department of Environment and Climate change, Government of Kerala				
3.	Dr.R.Prakash Kumar	Director,Malabar Botanic Gardens,Calicut & Joint Director,Kerala State Council for Science,				

	4	Dr.Prathapan	Technology&Environ ment. Director,State Horticulture Mission- Kerala.			
	5	Dr.KP Laladas	Member,Secretary, Kerala State Biodiversity Board			
	6	Dr. N Sasidharan	Kerala Forest Research Institute,Peechi	Floral Biodiversity		
	7.	Prof(.Dr.) MK Janarthanam	Proffesor of Botany,University of Goa	Cilmatic change and Conservation of Biology.	08-09-2012	
	8.	Prof(.Dr.)N Jayabalan	Department of Plant Science,Bharathidasan University,Tiruchirapa lly, Tamilnadu.	Advances in Plant Science Research		
	9.	Dr.PG Latha	Director, Jawaharlal Nehru Tropical Botanic Garden & Research Institute, Palode, Thiruvananthapuram			
	1.	Dr.Parvathy Menon	HOD, Department of Botany, NSS College for Women, Thiruvananthapuram	Why conserve biodiversity?	19-3-2014	2013- 2014
25.	Seminars/ Conferences/Workshops organized & the source of funding					
	National International					
	Seminars					
	Sl. No	Type of Programme	Title of Programme	Period	Funding Agency	Amount utilized
	1	International Seminar – Botanica- 2012	World Bio-heritage concerns over Climate Change, with a special	7-8 Sept 2012	Department of Environment and Climate Change, Government of	Rs.100,000/ -

			reference to Ethnic Vegetables-		Kerala			
					Kerala State Council for Science, Technology and Environment (KSCSTE)	Rs.60,000/-		
					State Horticultural Mission, Kerala	Rs.30,000/-		
					Kerala State Biodiversity Board (KSBB)	Rs.10,000/-		
2	Academic Seminar – Botanica-2014	One day Seminar on Forest Resources of Kerala and their Conservation	27-29 Nov 2014	PTA, Sree Narayana College, Chempazhanthy	Rs. 2000 and other expenses			
		Exhibition on Plant Science Research & Homestead Farming						
		Workshop on Field Taxonomy for College teachers and Research Scholars						
26.	Student profile programme/course wise:							
	Programe	Year	Applications received	Selected	Enrolled		Pass %	University Ranks
					M	F		
	UG	2009-2010	536	44	19	25	92.3	
		2010-2011	528	36	11	25	90.6	
		2011-2012	622	32	13	19	80	
		2012-2013	2247	38	7	31	89.6	
		2013-2014	2549	35	6	29	82	
		2014-2015	3213					
27.	Diversity of Students							
	Name of theCourse		% of students from the same state		% of students from other States		% of students from abroad	
	B.Sc Botany		100		0		0	
28.	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?				Nil			
29.	Student progression							
		2009-10	2010-11	2011-12	2012-13	2013-14		
	UG to PG	4	10	4	8	6		
	PG to M Phil							
	PG to Ph.D.		4	2				
	Ph.D. to Post-							

	Doctoral					
	Employed - Campus selection					
	- Other than campus recruitment	6	6	2		
	Entreprene urship/Self- employment					
30.	Details of Infrastructural facilities					
	i	Library		1389 books		
	ii	Internet facilities for Staff & Students		Yes		
	iii	Class rooms with ICT facility		Yes		
	iv	Laboratories		Yes		
31.	Number of students receiving financial assistance from college, university, government or other agencies					
	Name of the scholarship		Funding Agency		No: of students	
	Post Metric, Suvarna Jubilee, OBC OEC SC ST etc		Government		2009-10	30
2010-11					37	
2011-12					36	
2012-13					30	
2013-14					20	
2014-15					79	
32.	Details on student enrichment programmes (special lectures / workshops /seminar) with external experts					
	Resource person		Program		Year	
	Dr.A.Sabu		Spectrum Seminar Series		2009-2010	
	Dr.P.M.Radhamony		Spectrum Seminar Series		2012-2013	
	Dr.Parvathy Menon		Spectrum Seminar Series		2013-2014	
	Dr. Pramod G .Krishnan Dr.K.H. AmithaBachan Dr.N.Mohanar Dr.James George Dr.Udayan		Academic Event- Botanica 2014 <ul style="list-style-type: none">One day SeminarExhibition on Plant ScienceWorkshop for College teachers		27 th to 29 th Nov 2014	
33.	Teaching methods adopted to improve student learning					
	Seminar, Discussion ,Assignments, Lectures-Test Papers, Remedial teaching etc.					
34.	Participation in Institutional Social Responsibility (ISR) and Extension activities					

	Mushroom Cultivation Classes to housewives from rural areas as part of extension programme.
35.	<p>SWOC analysis of the department and Future plans</p> <p>Strength</p> <ul style="list-style-type: none"> • Academic flexibility in CBCSS system • Regular tutorial meetings, Project works and field trips. • ICT enabled learning • Introduction of Mushroom Cultivation as the Open Course • Three PhD holders in the faculty of four • One research guide with eight research scholars • Introduction of Lab to Land programme • Research room in the UG department <p>Weakness</p> <ul style="list-style-type: none"> • Lack of time under CBCSS system for extra-curricular activities <p>Opportunity</p> <ul style="list-style-type: none"> • Possibility for elevating the department to the status of PG department. <p>Challenges</p> <ul style="list-style-type: none"> • Hectic schedule under CBCS system • Giving more focus on research activities in the tightly packed CBCS system. <p>Future plans</p> <ul style="list-style-type: none"> • Development in infrastructure facilities • To start job oriented and self financed programmes

DEPARTMENT OF ZOOLOGY

1.	Name of the Department	Zoology					
2.	Year of Establishment	1968					
3.	Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)	UG	PG		Ph.D		
		B.ScZoology	Nil		Nil		
4.	Names of Interdisciplinary courses and the departments/units involved	Name		Depts. involved			
		Opencourse-Public Health And Hygiene		Botany,English,Maths,Sociology&chemistry			
5.	Annual/ semester/choice based credit system (programme wise)	UG choice based credit and semester system					
6.	Participation of the department in the courses offered by other departments	Open courses offered by other deparments such as Dept.ofBotany,Chemistry,Politics& Physical education.					
7	Courses in collaboration with other universities, industries, foreign institutions, etc.	Nil					
8.	Details of courses/programmes discontinued (if any) with reasons	Nil					
9.	Number of Teaching posts	Associate Professors	Sanctioned		Filled		
			4		4		
		Asst. Professors	0		0		
10.	Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)						
	SL. No	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
	1	Dr. KironVasudevan	M Sc, Ph.D	Associate Professor	Aquatic biology& fisheries	29	
	2	Smt. Mini Suresh	M Sc	Associate Professor	Physiology	18	
	3	Dr. S. Geetha	M Sc PhD	Associate Professor	Aquatic biology and fisheries	18	1
	4	Smt. VidiaPanicker	M Sc ,M.Phil, B Ed	Associate Professor	Muscle physiology and Ethology	18	
11.	List of senior visiting faculty			Dr.C.Sambhu, Asso.Prof. King Abdul Aziz UTY S.Arabia.			

12.	Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty	N.A	
13.	Student -Teacher Ratio (programme wise)	1:32	
14.	Number of academic support staff (technical) and administrative staff; sanctioned and filled	sanctioned	filled
		3	2
15.	Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.		
	Name	Qualification	
	Dr. KironVasudevan	M Sc, Ph.D	
	Smt. Mini Suresh	M Sc	
	Dr. S. Geetha	M Sc PhD	
	Smt. VidiaPanicker	M Sc ,M.Phil, B Ed	
	Guest Faculty		
	Nil	nil	
16.	Number of faculty with ongoing projects from	National	International funding agencies and grants received
		Nil	Nil
17.	Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received	nil	
18.	Research Centre /facility recognized by the University	Nil	
19.	Publications:		
	Dr. KironVasudevan		
	Sl. No	Publication	National/ International
	1	“Studies on some aspects of the Culture of Mossambiquetilapa, Oreochromismossambicus”, Journal of Basic and Applied Biology, 6, 2013	International
	2	“Effect of varying levels of protein feed on growth and production of male OreochromisMossambicus in cages”, Journal of basic and applied Biology,7, 2013	International
	3	“Effect of dietary protein on female broodstock development and fry production of Oreochromismossambicus”, Journal of Basic and Applied Biology5, 2011, Centre for Biological Research 2/77 – Kamaraj Street, Puthalam, Tamilnadu, India.	International
	4	“Effect of broodstockexchange on seed production of Oreochromismossambicus”,Journal of Basic and Applied Biology, 5, 2011	International
Smt. M.S. VidiaPanickar			

Dr. S.Geetha			
Sl. No	Publication	National/ International	
	"Fibre architecture and capillary changes in skeletal muscles of <i>Rattus norvegicus albinus</i> in response to exercise", <i>Journal of Animal Morphology and Physiology</i> , 43		
Sl. No	Publication	National/ International	
1	Hepatopancreas participation in the body length and weight of the stomatopod <i>Oratosquilla</i> nepa, <i>Uttarpradesh Journal of Zoology</i> 25 (1) 1-7 2005.	National	
2	Amyolytic activity of hepatopancreas of <i>Oratosquilla</i> nepa. <i>Uttarpradesh Journal of zoology</i> 27(1);83-86 2007	National	
3	Mosquito larvae eating propensity of <i>Lebistes reticulatus</i> . <i>Uttarpradesh Journal of Zoology</i> 27(2);223-226.2007	National	
4	Studies on certain Physico-chemical parameters of Paravurbackwaters, Kerala. Presented the paper on International Conference on Biodiversity Conservation and Management, Feb.3-6, 2008	International	
5	Effect of pesticide nuvacron on feeding behaviour of the <i>Aplocheilichthys lineatus</i> <i>Journal of Ecotoxicology. Env. Monit.</i> 18 (6) 549-554 2008		
6	"Relative condition factor of an Asian stinging Catfish", H. Fossilis, <i>Uttar Pradesh Journal Of Zoology</i> vol.31, 2011	National	
7	"Bioconversion of banana pseudostem using Red worms <i>Lumbricus splendens</i> ", Proceedings of international conference on ecosystem conservation & sustainable development., 2011, Ambo university, Ambo, Ethiopia,	International	
8	'Studies on conversion efficiency and food intake in <i>H. fossilis</i> , <i>T. jarbua</i> and <i>G. oyena</i> with emphasis on the effects of Nuvan, ' <i>Journal of basic and applied biology</i> , vol.7 2013	International	
9	Studies on the effects of water Ph changes on haematological parameters in <i>Gerres filamentosus</i> ", <i>International Journal of Environmental Science</i> 2014	International	
20.	Areas of consultancy and income generated	Nil	
21.	Faculty as members in	National committees	Editorial Boards
			Dr Kiron Vasudevan <i>LOGOS</i> (ISSN 2349-3836)
22.	Student projects		
		UG	PG
	Percentage of students who have done in-house projects including inter	100%	

	departmental/programme					
	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies					
23.	Awards / Recognitions received by faculty and students					
	Sl. No	Name	Faculty/ Student	Awards/Recogniti on	Awarding Body	Year
	1	DrKironVasudevan , Zoology,	Faculty	1 st prize for poster presentation	Dept.ofZoolo gy,All Saints College TVM	July18- 19,2013
24.	List of eminent academicians and scientists / visitors to the department					
	Sl. No	Name	Designation		Date	
	1	Dr.C.Sambhu	Asso.Prof.King AbdulAziz Uty.S.Arabia.		19-3- 2013	
	2	Dr.Biju	HOD,Dept,of Aquatic Biol.&Fisheries,TVM		19-01-2012	
25.	Seminars/ Conferences/Workshops organized & the source of funding					
	a. National Nil					
	b. International Nil					
	Sl .N o	Type of Program me	Title of Programme	Period	Funding Agency	Amount utilized
			NIL			
	.					
26.	Student profile programme/course wise:					
	Course	Year	Applicatio ns received	Selected	Enrolled	Pass %
					M	F
	UG	2009-10	536	41	11	30
		2010-11	514	37	11	26
		2011-12	622	36	16	20
		2012-13	2238	35	12	23
		2013-14	2659	38	10	28
27.	Diversity of Students					
	Name of theCourse		% of students from the same state		% of students from other States	% of students from abroad
			100			
28.	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?					
29.	Student progression					
		2009-10	2010-11	2011-12	2012-13	2013-14
	UG to PG	4	5	11	4	4

	PG to M Phil					
	PG to Ph.D.					
	Ph.D. to Post-Doctoral					
	Employed - Campus selection					
	- Other than campus recruitment	6	6	5	2	
	Entrepreneurship/Self-employment					
30.	Details of Infrastructural facilities					
	i	Library		1094 books		
	ii	Internet facilities for Staff & Students		Yes-one for staff		
	iii	Class rooms with ICT facility		Yes –one classroom.		
	Iv	Laboratories		Yes –one lab. , and one lab.cum class room.		
	V	Museum		One		
	VI	Animal House		One		
31.	Number of students receiving financial assistance from college, university,government or other agencies					
	Name of the scholarship		Funding Agency		Year	No: of student
	Post Metric, suvarna Jubilee, KPCR, OBC, OEC, SC/ST		Govt		2009-10	32
2010-11					42	
2011-12					31	
2012-13					30	
2013-14					26	
2014-15					77	
32	Details on student enrichment programmes (special lectures / workshops /seminar) with external experts					
1	Resource person		Program			Year
	Dr,B.Chandralekha,Rtd.Addl. Director RCC,Tvm.		Cancer Awareness			2007
2	Dr.RonyMathew,Asst.Surgeon,Govt.Hosp.Tvm.		HIV/AIDS-A Global Menace			2008
Health Awareness						
3	Dr.C.R.Soman,Chairman,HAP,Tvm.		Fascinations of Biodiversity Research			2009
4	Dr.A.Bijukumar, HOD,Aquat. Biol.&Fish.Tvm		Ornamental fish keeping and aquarium Management			2012
5	Dr.C.Sambhu,Asso.Prof. King Abdul Aziz University,UAE		Life style diseases and their preventive measures			2013
6	Dr.Zinia T.					

DEPARTMENT OF GEOLOGY

1.	Name of the Department	Geology					
2.	Year of Establishment	1979					
3.	Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)	UG	PG		Ph.D		
		B.Sc Geology	Nil		Nil		
4.	Names of Interdisciplinary courses and the departments/units involved	Name		Depts. involved			
		Nil		Nil			
5.	Annual/ semester/choice based credit system (programme wise)	UG - Choice based credit and semester system					
6.	Participation of the department in the courses offered by other departments	All Departments					
7	Courses in collaboration with other universities, industries, foreign institutions, etc.	Nil					
8.	Details of courses/programmes discontinued (if any) with reasons	Nil					
9.	Number of Teaching posts		Sanctioned		Filled		
		Associate Professors	3		3		
		Asst. Professors	0		0		
10.	Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)						
	S L. N o	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
	1.	Smt. K. Sreeletha	M.Sc	Associate Professor	Hydrogeology	30	Nil
	2.	Dr. KL. Vivekanandan	M Sc, M.Phil, PhD	Associate Professor	Sedimentology	29	Nil
	3.	Smt. Neena. L	M Sc	Associate Professor	Petrology and Geochemistry	25	Nil
11.	List of senior visiting faculty	Nil					
12.	Percentage of lectures delivered and practical classes handled(programme wise)by temporary faculty	0					
13.	Student -Teacher Ratio (programme wise)	1:24					
14.	Number of academic support staff (technical) and administrative staff	sanctioned			filled		
		1			1		
15.	Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.						

	SL.No	Name	Qualification			
	1.	Smt. K. Sreeletha	M.Sc			
	2.	Dr. KL. Vivekanandan	M Sc, M.Phil, PhD			
	3.	Smt. Neena. L	M Sc			
	Guest Faculty		Nil			
16.	Number of faculty with ongoing projects from		National	International funding agencies and grants received		
			Nil	Nil		
17.	Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received				Nil	
18.	Research Centre /facility recognized by the University			Nil		
19.	Publications:					
	Dr. K.L.Vivekanandan					
	Sl. No	Publication			National/ International	
	1.	“An Account of Submarine Groundwater Discharge from the SW Indian Coastal Zone”, <i>Journal of Coastal Research</i> , 25, 2009, (1.366) ,Coastal education and research foundation, Florida, USA			International,	
20.	Areas of consultancy and income generated		Nil			
21.	Faculty as members in		National committees	International Committees	Editorial Boards	
			Nil	Nil	SmtSreelatha R.K Editorial board member <i>LOGOS</i> (ISSN 2349-3836)	
22.	Student projects					
			UG	PG		
	Percentage of students who have done in-house projects including inter departmental/programme		100%			
	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies		Nil			
23.	Awards / Recognitions received by faculty and students					
	Sl. No	Name	Faculty/ Student	Awards/Recogniti on	Awarding Body	Year
24.	List of eminent academicians and scientists / visitors to the department					
	Sl. No	Name	Designation	Topic	Date	Year
	1.	Dr. PK. Rajendran Nair	Former HOD, Dept of Geology, University of Kerala	Maps	16-11-2009	2009- 10
	2.	Smt.V.Ambili	Senior Geologist, Geological Survey of India	Application of remote sensing and GIS in Geology		
	3	Dr.RajeswaraRao	Professor,Dept of Applied Geology,AnnaUniversi ty	Tsunami&Earthquakes	14-1-2011	2010- 11
	4	Prof.Manoj E.V	Department of	Environmental Aspects	22-2-2012	2011-12

			Geology, University College, Tvpm	of Mining-Geological Perspective			
	5	Dr.Sajinkumar.K.S.	Assistant Professor, Dept of Geology, University of Kerala	Natural Hazards		26-3-2013	2012-12
	6	Shri.M.P. Muraleedharan	Deputy Director General (Rtd), Geological Survey of India	Field Geology		21-3-2014	2013-14
25.	Seminars/ Conferences/Workshops organized & the source of funding a. National Nil b. International Nil						
	Sl.No	Type of Progra mme	Title of Programme	Period	Funding Agency	Amount utilized	
26.	Student profile programme/course wise:						
	Course	Year	Applicatio ns received	Selected	Enrolled		Pass %
	B.Sc Geology	2009-10	343	28	M 16	F 12	73%
	B.Sc Geology	2010-11	411	25	12	13	100%
	B.Sc Geology	2011-12	482	29	15	14	100%
	B.Sc Geology	2012-13	1069	29	15	14	100%
	B.Sc Geology	2013-14	1473	26	14	12	92%
	B.Sc Geology	2014-15	2054	30			
27.	Diversity of Students						
	Name of theCourse		% of students from the same state		% of students from other States		% of students from abroad
	BSc Geology		100		0		0
28.	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?			2			
29.	Student progression						
		2009-10	2010-11	2011-12		2012-13	2013-14
	UG to PG	9	17	18		24	20
	PG to M Phil	1		2			
	PG to Ph.D.						
	Ph.D. to Post-Doctoral						
	Employed - Campus selection						
	- Other than campus recruitment	6	7	5		1	

	Entrepreneurship/Self-employment					
30.	Details of Infrastructural facilities					
	i	Library	716 books			
	ii	Internet facilities for Staff & Students	Yes			
	iii	Class rooms with ICT facility	Yes			
	iv	Laboratories	Yes			
31.	Number of students receiving financial assistance from college, university, government or other agencies					
	Name of the scholarship		Funding Agency		Year	No: of students
	Suvarna jubilee merit scholarship/State merit scholarship/C.H.Mohammed Koya scholarship		OBCgrant/SC/STgrant/OECgrant		2009-10	18
2010-11					24	
2011-12					11	
2012-13					14	
2013-14					17	
32.	Details on student enrichment programmes (special lectures / workshops /seminar) with external experts					
	Resource person		Program		Date &Year	
	Dr.M.M.Nair		Spectrum Seminar Series		22-10-2009	
	Srihari Sarangan&Saji		Invited lecture		03-8-2010	
	Sri.M.P.Muraleedharan		Spectrum Seminar Series		21-3-2014	
33.	Teaching methods adopted to improve student learning					
	<ul style="list-style-type: none">Geology being a field science cannot be taught within the four walls of a classroom.Keeping this in view in order to get the students acquainted with the geological features,the faculty of the department have taken keen interest to arrange field visits.In this way the students get a better insight to the genesis of geological structures like folds,faults,joints etc.The students are also trained to make use of the various field equipments like Brunton Compass,Clinometers' etc in the field itself to enable them well versed as future field geologists.Invited lectures by eminent persons are also being arranged in the department to appraise the students of the new topics like disaster management, geotechnical engineering etc that have been inducted into the curriculum as part of the syllabus revision brought about by the Board of Studies.The lectures will be followed by an interactive session where the students get ample opportunities for clearing their doubts.An orientation program for the students on "Geospatial technology and environmental management" was jointly hosted by the International and Interuniversity centre for Natural resources Management,University of Kerala and the department of Geology.					
34.	Participation in Institutional Social Responsibility (ISR) and Extension activities					
	<ul style="list-style-type: none">The students of the department have conducted a survey on the ground water quality analysis of open dug wells located in areas (Kattayikkonam,Karyavattom) adjacent to the college. The results that have been obtained through these studies were later conveyed to the Panchayat authorities so as to make them available for the public in selecting future well sites.The students of the department have made a study about the depletion of Varkala cliff which has now been declared as a "Geopark"by the Geological Survey of India.(the second of its kind in India).Based on their studies the students have suggested some mitigation measures for controlling coastal erosion and have sent a copy of their report to the authorities concerned for further action.The students of the department have made an environment impact assessment of quarrying in Pothencode area adjacent to the college.The report was forwarded to the authorities for further action.					

35.	<p>SWOC analysis of the department and Future plans</p> <p>Strength</p> <ul style="list-style-type: none"> ▪ The three faculty members of the department are very senior teachers having three decades of teaching experience. ▪ One of the faculty has Ph.D in Sedimentology and is a recognised guide of the University of Kerala. ▪ Right from the period of its inception in 1979 the department has produced many first ranks in the B.Sc degree examination conducted by the University of Kerala. ▪ The majority of students(90%) of the dept after their graduation join prestigious institutions like Indian Institutes of Technology, Indian School of Mines and various universities in and outside the state for their post-graduation. ▪ Almost 90% of the students get themselves placed in various avenues of Geology. Many of them pursue research and get appointed in premier institutions like National Geophysical Research Institute, National Institute of Oceanography and Indian Remote Sensing Centre etc. ▪ A good majority also get employed in the Geological Survey of India, Central Ground Water Board, Oil & Natural Gas Commission, State Mining & Geology Department etc. <p>Weakness</p> <ul style="list-style-type: none"> ▪ The dept has space constraint by way of shortage of well equipped classrooms. ▪ The dept is in need of a well equipped library. <p>Opportunities</p> <ul style="list-style-type: none"> • High possibility of employment • Elevation of the department to a PG department • Setting up of a Geological Survey Centre with the help of the well-placed alumni • Interdisciplinary research activity <p>Challenges</p> <ul style="list-style-type: none"> ▪ It is heartening to note that only a very few students seek their jobs outside the realm of Earth Sciences. a. Kerala being a state poor in mineral resources and mining industry the job opportunities for geologists within the state are rather bleak. b. Except for some sporadic clay mines no underground mines are located in the state. So the students of geology have to go outside the state for their geological field work. c. It is very difficult to get permission for visiting the institutions like the Indian Rare Earth Ltd, Chavara for the purpose of research or study. d. The majority of self –financing colleges that have come up in Kerala are offering B.Sc geology course. This poses a great threat to the conventional course in geology being taught in the aided colleges. The quality of students that we get may deteriorate over the years to come. <p>Future plans</p> <ul style="list-style-type: none"> ▪ The relevance of Earth Science is increasing day by day. The study of Geology has assumed greater dimensions as new avenues of applications of its use are coming up. The mineral wealth of a country plays a significant role in the development of its economy. Keeping this in view future plans are aimed at making the dept a full-fledged one offering post-graduation with a research centre for doing Ph.D.
-----	--

DEPARTMENT OF COMMERCE

1.	Name of the Department	Commerce				
2.	Year of Establishment	1964 , UG: 1999				
3.	Names of Programmes / Courses offered	UG	PG		PhD	
		B.Com	Nil		Nil	
4.	Names of Interdisciplinary courses and the departments/units involved	Name		Depts. Involved		
		Open Course-Entrepreneurship Development Programm		Geology, Mathematics, Economics, English		
5.	Annual/ semester/choice based credit system	UG - Choice Based Credit and Semester System				
6.	Participation of the department in the courses offered by other departments	UG class students of fifth semester can undergo open courses offered by any of the 13 other departments.				
7	Courses in collaboration with other universities, industries, foreign institutions, etc.	Nil				
8.	Details of courses/programmes discontinued (if any) with reasons	Nil				
9.	Number of Teaching posts	Sanctioned Post			Filled	
		4	Associate Professor		0	
		Assistant Professor		1		
10.	Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)					
	Name	Qualification	Designation	Specialization	Years of Experience	No. Of Ph.D. Students guided
	Swapna.O	M Com,B Ed	Assistant Professor	Finance	2 years	-
11.	List of senior visiting faculty	Nil				
12.	Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty	75 Percent by temporary faculty from June 3 rd 2014.				
13.	Student -Teacher Ratio (programme wise)	32:1				
14.	Number of academic support staff (technical) and administrative staff	Sanctioned		Filled		
		-		-		
15.	Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.					
	Name		Qualification			
	Smt. Swapna O.		M Com,B Ed (on maternity leave from August 25 th 2014)			
	Guest Faculty					
	Lakshmi AJ		M Com, UGC-NET			
	Mohini G		M Com, B.Ed			
	Simi B S		M Com, UGC-NET			
	Rakhi G R		M Com, B.Ed			
16.	Number of faculty with ongoing projects from	National		International funding agencies and grants received		
		-		-		

17.	Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received		Nil		
18.	Research Centre /facility recognized by the University		Nil		
19.	Publications:				
	Sl.No	Publication	National/ International		
	1	Swapna.O “Economic empowerment of schedule caste women through entrepreneurship development- A study in Trivandrum district”(In the book Micro Finance, women Entrepreneurship vol:2) Authors: Dr M Edwin Gnanadhas , Dr P Jegan	National 2012		
20.	Areas of consultancy and income generated				
21.	Faculty as members in : State committees		National committees	International Committees	Editorial Boards
	Dr. M K Manilal as subject expert in VHSE Directorate for selection and recruitment of teachers in the year 2005-2006 Dr. S Satheesh Chandran: Member Faculty in Commerce, University of Kerala in the year 2008-2009 Dr. S.Satheeshchandran- Member, Board of studies (UG), University of Calicut in the year 2009-2010		-	-	Prof. Vijaya kumar in the editorial board of LOGOS in theyear 2013-2014 (ISSN 2349-3836) Smt. Swapna .O in the editorial board of LOGOS in the year 2014-2015 (ISSN 2349-3836)
22.	Student projects				
				UG	PG
	Percentage of students who have done in-house projects including inter departmental/programme			100%	-
	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies			-	-
23.	Awards / Recognitions received by faculty and students				
	Sl. No	Name	Faculty/ Student	Awards/Recognition	Awarding Body Year
	1	Moideen C.P	Student	Silver medal in Jawelin throw	University of kerala 2010-2011
	2	Lincy C.H	Student	Silver medal for long jump and tripple jump	University of kerala 2010-2011
	3	Moideen .C.P	Student	First place in Javaline throw	University of kerala 2011-2012
	4	Swathy . P	Student	Second place in hockey championship	University of kerala 2011-2012
	5	Dinish .K	Student	Second place in hockey championship	University of kerala 2011-2012
	6	Vineetha .B	Student	Womens state hockey	2011-2012
	7	Surya	Student	2 nd semester university topper	University of kerala 2012

24.	List of eminent academicians and scientists / visitors to the department								
	Sl. No	Name	Designation	Topic	Date	Year			
	1.	Shri.R.Thulasinarayanan	Manager, Local head office, SBI	Banking technology products	10-11-2009	2009-2010			
	2.	Dr.K.I. Georgee	Mar Ivanios College, Tvpm	Information Technology in Business	24.2.2012	2011-2012			
	3.	Dr. K.Sreeranganathan	Director, School of Management, M.G.University	Emerging trends in business education	21-3-2013	2012-2013			
4.	Dr.K.I.Georgee	Associate Professor of Commerce, Mar ivanios College, Thiruvananthapuram	Young Entrepreneurs	20-3-2014	2013-2014				
25.	Seminars/ Conferences/Workshops organized & the source of funding								
	National								
	International								
	Sl.No	Type of Programme	Title of Programme	Period	Funding Agency	Amount utilized			
	1.	Seminar	Spectrum	10.11.2009	PTA	Rs. 2000 and other expenses			
	2.	Seminar	Spectrum	2010	PTA	Rs. 2000 and other expenses			
	3.	Seminar	Spectrum	24.02.2012	PTA	Rs. 2000 and other expenses			
	4.	Seminar	Spectrum	21.03.2013	PTA	Rs. 2000 and other expenses			
5.	Seminar	Spectrum	20.03.2014	PTA	Rs. 2000 and other expenses				
6.	Inter departmental seminar	Statistics and its scope	26.11.2014	PTA	Rs.3000				
26.	Student profile programme/course wise:								
	Course		Year	Applications received	Selected	Enrolled		Pass %	University Ranks
						M	F		
	B.Com		2009-2010	896	51	17	34	93	-
	B.Com		2010-2011	850	43	19	24	93	-
	B.Com		2011-2012	957	43	15	28	93	-
	B.Com		2012-2013	3209	41	12	29	97	-
	B.Com		2013-2014	3081	41	14	27	95	-
27.	Diversity of Students								
	Name of the Course		% of students from the same state		% of students from other States			% of students from abroad	
	B. Com		100		-			-	
28.	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?				4				
29.	Student progression								
		2009-10	2010-11	2011-12	2012-13	2013-14			

	UG to PG	25.49 (13)	36.3 (16)	32.56 (14)	37.21 (16)	51.16 (22)
	PG to M Phil	-	-	-	-	-
	PG to Ph.D.	-	-	-	-	-
	Ph.D. to Post-Doctoral	-	-	-	-	-
	Employed - Campus selection	-	-	-	-	-
	- Other than campus recruitment	5.88 (3)	20.45 (9)	9.30 (4)	20.93 (9)	9.30 (4)
	Entrepreneurship /Self-employment	3.92 (2)	4.55 (2)	-	2.33 (2)	-
30.	Details of Infrastructural facilities					
	I	Library		1294 books		
	Ii	Internet facilities for Staff & Students		Yes		
	Iii	Class rooms with ICT facility		No		
	Iv	Laboratories		No		
31.	Number of students receiving financial assistance from college, university, government or other agencies					
	Name of the scholarship		Funding Agency		YEAR	NO: OF STUDENTS
	KPCR,SCHOLARSHIP FOR OBC/SC/ST		GOVERNMENT		2009-2010 2010-2011 2011-2012 2012-2013 2013-2014	25 17 3 7 28
32.	Details on student enrichment programmes (special lectures / workshops /seminar) with external experts					
	Resource person		Program		Year	
	Shri. R.Thulasinarayan, Manager , Local head office, SBI.		Latest developments in banking sector		2009	
	Dr.K.I.Georgee, ,Associate professor, Department of Commerce Mar Ivanious College, Thiruvananthapuram		Uses of information technology in business		2012	
	Dr.K.Sreeranganathan Director, School of Management, M.G.University		Emerging trends in business education		2013	
	Dr.K.I.Georgee,Associate professor, Department of Commerce, Mar Ivanious College, Thiruvananthapuram.		Awareness about the scope and development of Entrepreneurship		2014	
	Dr.Shibu D.S, Assistant Professor, University College, Thiruvananthapuram.		Scope of statistics		2014	

33.	Teaching methods adopted to improve student learning
	Syllabus furnished by the university is explained to the students in the form of lecture method. But to improve students' academic standards we conduct debates, group discussions, assignments and seminars.
34.	Participation in Institutional Social Responsibility (ISR) and Extension activities:
	Teachers and students of our department are planning to collect funds for providing rice every month to the cancer patients below the age of 14 years who is under- going treatment in Regional Cancer Center, staying in an organisation called Sukritham near our college.
35.	SWOC analysis of the department and Future plans:
	<p>Strength</p> <ol style="list-style-type: none"> 1. Well qualified, dedicated and diversified faculty with specialisation in different areas. 2. Emphasis on holistic development of students. 3. Continuous progressive evaluation system for students. 4. Large number of initiatives are undertaken for supporting number of slow-learners and students of diverse backgrounds. 5. Amiable teachers-students relationship facilitates smooth teaching and learning. <p>Weaknesses</p> <ol style="list-style-type: none"> 1. Lack of flexibility in introducing innovation and job/entrepreneurial development degree program. 2. Though passing percentage at final year is high, number of distinctions and first class is less. 3. Lack of research activity by the faculty. 4. Number of publications and research projects undertaken by the faculty is very less. <p>Opportunities</p> <ol style="list-style-type: none"> 1. Planning for collaborations with various universities and institutions. 2. Professional and academic development of faculty members. 3. Special efforts to enhance the performance of the students in examinations. 4. Inducement to the faculty to undertake major and minor research projects under university scheme. 5. Arrangement of seminars, workshops etc to enhance the knowledge of students and staff. <p>Challenges</p> <ol style="list-style-type: none"> 1. To motivate students to develop a deeper level of critical and analytical thinking and to cultivate in them endeavouring passion to pursue higher education. 2. Encouraging research attitude among faculty. 3. To motivate faculty to be dynamic by using latest technology and methodology in their teaching. 4. Efforts should be made to bring more corporates for campus interviews. <p>Future Plans</p> <ol style="list-style-type: none"> 1. To conduct more inter departmental activities for the development of the students. 2. Conducting more seminars on scope of entrepreneurship, on line trading , legal frame work etc to motivate students. 3. We have applied in The University of Kerala for a post graduate course in finance, to enhance the future prospects of our students.

DEPARTMENT OF PHYSICAL EDUCATION

1.	Name of the Department		Physical Education				
2.	Year of Establishment		1964				
3.	Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)		UG	PG		Ph.D	
			Nil	Nil		Nil	
4.	Names of Interdisciplinary courses and the departments/units involved		Name		Depts. involved		
			Open Course - Health And Fitness Education		All UG departments		
5.	Annual/ semester/choice based credit system (programme wise)		Choice Based Credit & Semester System				
6.	Participation of the department in the courses offered by other departments		Nil				
7	Courses in collaboration with other universities, industries, foreign institutions, etc.		Nil				
8.	Details of courses/programmes discontinued (if any) with reasons		Nil				
9.	Number of Teaching posts		Associate Professors	Sanctioned		Filled	
				1		1	
			Assistant Professors	1		1	
10.	Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)						
	SL. No	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D.Students guided for the last 4 years
	1.	Capt.Dr. SS. Biju	M.P.Ed, M.Phil, Ph.D.	Associate Professor	Sports Management	20	Nil
	2.	Dr.M .J Manoj	M.P.Ed, PG.D, J.M.C, Ph.D.	Associate Professor	Exercise Physiology	18	Nil
11.	List of senior visiting faculty			Nil			
12.	Percentage of lectures delivered and practical classes handled(programme wise)by temporary faculty			Nil			
13.	Student -Teacher Ratio (programme wise)			Nil			

14.	Number of academic support staff (technical) and administrative staff		sanctioned	filled	
15.	Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.				
	Sl.No	Name	Qualification		
	1.	Capt.Dr. SS. Biju	M.P.Ed, M.Phil, Ph.D.		
	2.	Dr.M .J Manoj	M.P.Ed, PG.D, J.M.C, Ph.D.		
	Guest Faculty-				
	Dr.BijuSukumar		M.P.Ed,M.Phil,PG.D, F.M,Ph.D. Specialization- Sports Training , Experience - 5 Years		
16.	Number of faculty with ongoing projects from				
	a) Nationalfunding agencies and grants received : Nil				
	Name of Faculty/Departm ent	Major /Minor	Topic	Details of the grant	
				Funding Agency	Amount
	Nil			Nil	
	b) International unding agencies and grants received			Nil	
17.	Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received				
	Major Projects				
	Sl. No	Name	Title	Funding agency	Durat ion (years)
		Nil			
	Minor Projects				
	Sl. No	Name	Title	Fund ing agenc y	Durat ion (years)
		Nil			
18.	Research Centre /facility recognized by the University		Nil		
19.	Publications				
	Name				
	Sl. No	Publication			National/ International
	1.	Biju Sukumar & Biju S.S, Effects of Circuit Resistance Training and Plyometric Training on Strength among Player, <i>Logos</i> , Volume 2, No.1, June 2014. (ISSN 2349-3836)			National
	2	Biju Sukumars and Drs.Chitra. (2011). Effect of Isolated and Combined Weight and Plyometrice Training On Speed Among Higher Secondary Level Male Sprinters, <i>Research Scholar</i> , Vol: 1(1), Pp.34-37. (ISSN: 2249-6696).			National
	3	Biju Sukumars and DrS.Chitra.(2011)Effect of circuit Training on Selected Strength Paramaters of College Leval Women Kho-Kho Players. <i>Research Scholar</i> (vol:2 (2)pp.43-49. ISSN: 2249-6696).			National

4	Sunil kumar s, Biju Sukumar, and Dr George Abraham (2011) Eight weeks of Resistance Training and its impact on LED cholesterol of Married young women .Journals of Health And Fitness vol:2 pp.55-61.(ISSN :0975-9409).	National
5	Dr George Abraham, Sunil kumar s and Biju Sukumar, (2011)effect of Resistance Exercise on Strength Endurance And maximum Speed of Hearing Impaired high School Boys. Journal of Adapted physical Education And yoga.Vol:1 No, 2,pp-40-44.(ISSN2229-4821).	National
6	Biju Sukumar and Dr S .Chitra.(2012) Effect of isolated and combined sport loading and plyometric Training on speed among higher secondary level male sprinters vol: 2 pp.218-224 (ISSN:2249-6696)	National
7	Biju Sukumar and Dr . G eorgeabraham.(2012)Selected Resisted Exercise and its Effects on Lipoprotein of Female Teacher Trainees vo.1 pp 01-07 (ISSN:0975-3966).	National
8	Biju Sukumar,Sunilkumar, S. and Abraham George Impact of Resisted Exercise on strength Endurance and speed of Deaf High school Students.International Journal of Sports Sciences and Fitness, Volume 2(2) 2012.	National
9	Biju Sukumars and DrS.Chitra.(2012)Effect of isolated and combined Sport Loading and plyometric Training on Strength endurance among higher secondary level male sprinters. Baseli Research vol: x111, pp.671-678. (ISSN: 0975-8658).	National
10	Biju Sukumars and DrS.Chitra. (2012). Effect of sport loading programme on Speed related parameters school level sprinters, <i>Research Scholar</i> , Vol: 1(3), pp.114-118. (ISSN:2249-6696).	National
11	Biju Sukumar and Dr S Chitra,(2012)Effect of isolated and combined sport loading and plyometric training on explosive power among higher secondary level male sprinters.Research Line Vol:1 pp,194-199.(ISSN:0975-8941)	National
12	Biju Sukumar,Dr S Chitra and P Rajinikanth,(2012)Effect of Sport Loading program on strength Endurance Among school level sprinters., International Journal of Health Physical Education and Computer science in Sports.Vol.7 No1PP,88-90(ISSN: 2231-3265).	International
13	Biju Sukumar and Dr S Chitra,(2012)Effect of isolated and combined sport loading and plyometric training on Stride length Among higher secondary level Sprinters.Vol-8, No - 8.pp,36-41(ISSN:0976-2523).	National
14	Biju Sukumar and Dr S Chitra,(2012)Effect of sport loading program on Explosive power among school Level sprinters. Inter National Journal of sports Glimpses. Vol-1,No- 2,pp,84-89(ISSN:2278-5027).	International
15	Biju Sukumar,Shafeeq V.A and Dr .George Abraham,(2013) impact of isotonic and isometric training on strength and power outputs in collegiate male students. Vol.1,No-1,pp,172-176(ISSN 2321-0214).	National
16	Shine Singh J.P, BijuSukumar,Shafeeq V.A.(2013) Weight Training, Plyometric Training and its Combinatory Effect on Stride Length Among Adolescent Sprinters. Issue-3volume-2 (ISSN2249-9954) Available online	National
17	BijuSukumar,(2013) physical characteristics of Adolescent Male wrestlers. Inter National Journal of sports Glimpses. Vol-2,No-2,pp,57-61(ISSN:2278-5027).	International
18	BijuSukumar,(2014)Effect of Periodized Dance Training on cardio Respiratory endurance among Pubescent girls . Inter International Journal of Physical Education Sports Management And health Science. Vol-1,No-1,pp,01-08(ISSN:2349-67003).	International
Name		
Sl. No	PRESENTATIONS IN NATIONAL CONFERENCES	National/ International
1.	<i>Effect of weight circuit Training on selected strength and power parameters of college level women Kho Kho players</i> ", National Conferences on Use of Modern Technology in Physical education, Sports and Allied Health Sciences, Vinayaka Mission's College of Physical Education, Vinayaka Mission's University, Salem, Tamil Nadu, 11 th and 12 th February, 2011	National
2.	<i>Analysis of body composition of junior male weight lifters in Kerala</i> ", National Seminar on Prospective Approaches and Applications in Sports Science, Dept. of Physical Education, Health Education and Sports, The M.D.T Hindu College,	National

		Tirunalveli, Tamil Nadu, 4 th February, 2011.	
3		<i>Somatotype characteristics of young male weight lifters in Kerala</i> ", UGC National Conference on The Felicitous Intertwined Trio of Physical Activities, Wellness and Sports, Dept. of Physical Education, Bishop Heber College, Tiruchirappalli, Tamil Nadu, 5 th February, 2011.	National
4		<i>Effect of isolated and combined weight and plyometric training on strength edurance</i> ", UGC National Seminar on Training Prescription and Functional Responses on Different Population, Dept . of Physical Education and Sports Sciences, Annamalai University, Annamalaiagar, Tamil Nadu, 28 th and 29 th March, 2011.	National
5		<i>Effect of isotonic and isometric training programme on body composition</i> ", UGC National Conference on Advance in Environmental Research: An Interdisciplinary Approach, Dept. of Zoology, Annamalai University, Annamalaiagar, Tamil Nadu, 11 th and 12 th March, 2011	National
6		<i>Resistance training with high and moderate intensities and its effects on speed</i> ", National Seminar on Scientific Innovations in Sports Sciences and Technology, Selvam College Of Physical Education, Namakkal, Tamil Nadu, 5 th March, 2011	National
7		<i>Moderate intensity resistance training and its effect on calf girth of male under graduate students</i> ", NAAC Sponsored National Seminar on Teaching-learning in Physical Education: Quality Concerns, Sri Ramakrishna Mission Vidyalaya Maruthi College of Physical Education, Coimbatore, Tamil Nadu, 18 th and 19 th March, 2011	National
8		Resistance training and its effects on explosive power among women teacher trainees", National conference Honing Modern Trends & Promotion of Education in Health Science , Dept of physical Education, Sports and Health Sciences, St Aloysius College , Edathua , Alappuzha , Kerala 14 th to 16 th December ,2011	National
9		Effect of resistance exercise on total cholesterol among young graduates" , UGC Sponsored National seminar on Emerging Trends in Physical Education & Sports Science and Role on Improving the performance of sports man. Department of Physical Education Sri Padamavathi Mahila Visva Vidyalayam Tirupathi, Andhara Pradesh 5 th & 6 th March 2012.	National
10		<i>Effect of weight Training on selected strength parameters of college level women Kabadi players</i> ", UGC Sponsored National Seminar on Physical Active and New Diseases –Current Perspective, organized by Department of Physical Education MES Mampad college Mampade ,Malappuram , kerala ,12 th and 13 th March 2012.	National
11		Effect of circuit training on selected physical fitness variables among Basketball , players. National conference on Doping in sports –Invigoration, Prerequisites and Misapprehensions, organized by Research Department of physical Education, National College NSS Regional center, Chennai.	National
12		Stress Management and relaxation techniques", UGC Sponsored National Seminar on Prevalence and control of life style Diseases in Kerala, organized by Department of Physical Education Indian Academy of Paediatrics Kottayam, Mahatma Gandhi University Kottayam , Kerala ,06 th and 07 th February 2014	National
13		Effect of isolated and combined <i>Weight and plyometric Training on speed</i> ", SAP-DRS-I International Conference on Yoga, Physiotherapt, Nutrition and Sports for Lifelong Fitness, Dept. of Physical Education and Health Sciences, Alagappa University, Karaikudi, Tamil Nadu, 27 th and 28 th January, 2011	International
14		<i>Sports informatics: a new interdiscipline in sports science</i> ", 2 nd International Conference on Bioinformatics and System Biology (INCOBS), Dept. of Zoology, Annamalai University, Annamalaiagar, Tamil Nadu, 16 th and 17 th February, 2011	International
15		<i>Disability sports in developing countries</i> ", International Seminar on Positive	International

		Perspective of Adopted Physical Education and Yoga, Faculty of General & Adapted Physical Education and Yoga, Ramakrishna Mission Vivekananda University, Coimbatore, Tamil Nadu, India and International Federation of Adapted Physical Activity, Free University of Brussels, Brussels, Belgium, 19 th and 20 th September, 2011	
	16	Enviromental conversation the role of intuition” International Conference on Science and Technology for Clean and Green Environment (STCGE) Dept. of Zoology, Annamalai University, Annamalainagar, Tamil Nadu, 27 th and 28 th July, 2011	International
	17	<i>Environmental conservation the Role of Instution ”</i> , 2 nd International Conference on Bioinformatics and System Biology (INCOBS), Dept. of Zoology, Annamalai University, Annamalainagar, Tamil Nadu, 16 th and 17 th February, 2011	International
	Sl. No	Name	National/ International
		WORKSHOP ATTENDED	
	1	National Workshop on Yoga Therapy, Exercise Therapy and Allied Therapy.Koviloor Andavar Institute of Yoga and Research,Koviloor Madalayam, koviloor , 29 th January, 2011.	National
	2	National Workshop on Track and Field Planning, Construction, Rules and Interpretations, Dept. of Physical Education, Tamil Nadu Physical Education and Sports University, Chennai, 24 th and 25 th January, 2011.	National
	3	National Workshop on Track and Field Planning, Construction, Rules and Interpretations, Dept. of Physical Education, Tamil Nadu Physical Education and Sports University, Chennai, 24 th and 25 th January, 2011.	National
	4	workshop on Health, Physical Education and computer science in Sports .Organised by Indian Federation of computer Science in Sports on 11 Th and 12 th August 2012 , at Osmania University ,Hyderabad , India.	International
20.	Areas of consultancy and income generated	Nil	
21.	Faculty as members in	National committees	International Committees
	Capt.Dr. SS. Biju	35 th National Games.	Editorial Boards
	Dr.Biju Sukumar	(1)35 th National Games. (2)Physical Education foundation of India- Life time member ship.	Member-Editorial board of <i>LOGOS</i> (ISSN 2349-3836)
22.	Student projects		
	Nil	UG	PG
	Percentage of students who have done in-house projects including inter departmental/programme	Nil	
	Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies	Nil	
23.	Awards / Recognitions received by faculty and students		
	Sl. No	Name	Faculty/ Student
		Nil	Awards/Recogniti on
			Awarding Body
			Year

24.	List of eminent academicians and scientists / visitors to the department						
	Sl. No	Name	Designation	Topic	Date	Year	
	1.	Dr S. Sureshkutty	Reader, Kannur University	Sports Psychology'	19-11-2009	2009-10	
	2.	Dr G.P Sudheer	Associate Professor Christian College Kattakada	Concept of Wellness	20-03-2014	2013-14	
	1.						
25.	Seminars/ Conferences/Workshops organized & the source of funding						
	National- Nil						
	International- Nil						
26.	Student profile programme/course wise:						
	Program me	Year	Applicatio ns received	Selected	Enrolled	Pass %	University Ranks
	Ni				M F		
27.	Diversity of Students						
	Name of the Course	% of students from the same state	% of students from other States	% of students from abroad			
	Nil						
28.	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?			Nil			
29.	Student progression						
		2009-10	2010-11	2011-12	2012-13	2013-14	
	UG to PG	Nil					
	PG to M Phil						
	PG to Ph.D.						
	Ph.D. to Post-Doctoral						
	Employed- Campus selection						
	- Other than campus recruitment						
	Entrepreneurship/Self-employment						
30.	Details of Infrastructural facilities						
	i	Library	25 books				
	ii	Internet facilities for Staff & Students	Nil				
	iii	Class rooms with ICT facility	Nil				
	iv	Laboratories	Nil				
31.	Number of students receiving financial assistance from college, university, government or other agencies						
	Name of the scholarship	Funding Agency	No: of students				
	Nil						

32.	Details on student enrichment programmes (special lectures / workshops /seminar) with external experts		
	Resource person	Program	Year
	Dr . S. Sureshkutty Reader, Kannur University	A talk on 'Sports Psychology' in the Spectrum seminar series	19-11-2009
	Dr. G.P Sudheer Associate Professor Christian College Kattakada	Concept of Wellness	20-03-2014
33.	Teaching methods adopted to improve student learning		
	Visual Aid methods, Seminar , Assignments-Lectures-Test Papers, etc.		
34.	Participation in Institutional Social Responsibility (ISR) and Extension activities		
	Conducted Mass Run to spread awareness on Blood Donation and Road Safety.		
35.	SWOC analysis of the department and Future plans		
	Strengths Faculty working as Coaches of National and State teams. <ul style="list-style-type: none"> • Highly qualified faculty with research degrees • Faculty functions as Conveners of various Sports activities • Selector of Kerala University AIU Teams. • Selector of National Games. • Attends and presents papers in regional, national and international seminars regularly • Publishes articles in recognised journals • One minor research project carried out • Faculty are Members in various academic bodies • Achievements in sports, games, out -standing performances regularly • 4-5 students every year in Indian Team. • 10-12 students get job through sports every year. • Participation in AIU competitions regularly and winning medals • Practical sessions in the morning and evening everyday. • Arrangement with qualified coaches for varies sports and games, under strict supervision • Promotion of National integration. Weaknesses <ul style="list-style-type: none"> • Lack of infrastructure (Ground, Indoor stadium , Gymnasium) • Lack of latest equipment • Poor socio -economic and academic background of students • Poor nutritional efficacy • Insufficient Medical Aid Centre • Shortage of toilets • Poor communication skill of the students Opportunities <ul style="list-style-type: none"> • Job opportunity for outstanding sports men and women. • Greater success in intercollegiate, interuniversity, national and international competitions • Grace marks in examinations • Admission to various courses and various departments Challenges <ul style="list-style-type: none"> • Majority of the students come from poor socio economic and academic background, hence they are reluctant to come forward to make use of the opportunities before them. • Achieving the higher target in a short time 		

	<ul style="list-style-type: none"> • Injury and illness affecting performance <p>Future Plan</p> <ul style="list-style-type: none"> • To start UG course in Physical Education • To construct separate sports hostel for men and women
--	--

**RESULT OF NAAC ACCREDITATION-
CYCLE I
&
POST-ACCREDITATION INITIATIVES**



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद्

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

Certificate of Accreditation

*The Executive Committee of the
National Assessment and Accreditation Council
on the recommendation of the duly appointed
Peer Team is pleased to declare the*

Sree Narayana College

Chempazhanthi, Thiruvananthapuram, affiliated to University of Kerala, Kerala as

Accredited

at the B⁺ level.

Date : May 03, 2004



Masad
Director

- This certification is valid for a period of Five years with effect from May 03, 2004
- An institutional score (%) in the range of 55-60 denotes C grade, 60-65 - C⁺ grade, 65-70 - C⁺⁺ grade, 70-75 - B grade, 75-80 - B⁺ grade, 80-85 - B⁺⁺ grade, 85-90 - A grade, 90-95 - A⁺ grade, 95-100 - A⁺⁺ grade (upper limits exclusive).

Quality Profile

Name of the Institution : Sree Narayana College

Place : Chempazhanchy, Thiruvananthapuram, Kerala

Criterion	Criterion Score (Ci)	Weightage (Wi)	Criterion X Weightage (Ci x Wi)
I. Curricular Aspects	77	10	770
II. Teaching-learning and Evaluation	77	40	3080
III. Research, Consultancy and Extension	85	05	425
IV. Infrastructure and Learning Resources	83	15	1245
V. Student Support and Progression	74	10	740
VI. Organisation and Management	79	10	790
VII. Healthy Practices	84	10	840
		100	$\Sigma C_i W_i = 7890$

$$\text{Institutional Score} = \frac{\Sigma C_i W_i}{\Sigma W_i} = \frac{7890}{100} = 78.90$$

M. Asad
Director

Fulfilment of Peer Team Suggestions

Suggestions	Post Accreditation Initiatives
The College can design a perspective plan for its development in the form of “SREE NARAYANA College perspective plan 2020”.	The college promptly formulated a Perspective Plan 2015, following the suggestion of the Peer Team. The general plan is a frame in which segments for each five year term is included separately. Each such term has an annual space which is made flexible enough to accommodate the fulfilment of requirements stemming from the changes of in trends, knowledge and technics. In short, the perspective outcome is an integration of annual outcome of several hues in a harmony
The teaching departments should participate in programmes like COSIP/COHSSIP/ICSSR/COSIST with assistance of the UGC.	The college has utilized the FIP/FDP facility provided by the UGC to the maximum, and so the number of PhD holders among the present faculty has risen to 42 from 19 during the last visit by the Peer Team. The number is much greater if the retired members of faculty are also reckoned. The college has availed the UGC and DST funds for the improvement of infrastructure and the conduct of academic programmes such as seminars, workshops etc. We avail and utilize all the UGC allocation in time.
The teachers with doctoral degrees are suggested to undertake Post-doctoral projects to promote research and applied research.	The college is now a research centre with two research departments; 15 research guides in various disciplines guiding 44 scholars for doctoral research. The PhD. holders among the faculty take up major and minor projects, social extension research works and collaborative research.

<p>The College can introduce new post-graduate courses in the disciplines of Psychology, Sociology, English, Economics, Political Science etc.</p>	<p>The college has started one PG course, MA English, during the post accreditation period. Two PG courses in Sociology and Commerce, and two UG courses in Malayalam and Communicative English are sanctioned by the university, but delay in getting permission from the state government is an impediment to their commencement.</p>
<p>The College can move forward by attempting new inter-disciplinary Science and Technology courses and other applied courses such as Bio-technology, Nano-technology, Bio-informatics, Management Science, Women/Gent studies, Human Rights, E-Commerce, Mass Communication and Journalism, Sustainable Development etc.</p>	<p>Considering the suggestion of the college with regard to curricular development, to reserve half of each syllabus for the emerging areas of disciplines, the university has included the aspects of such areas in the syllabi of UG and PG courses. Our plan for starting a PG Diploma Course in Computer Aided Drug Designing and an Add-on Course in Tourism and Travel Management has not materialized yet.</p>
<p>Special efforts may be taken to improve communication skills, personality development, fine and performing arts, spoken English, Entrepreneurship development, Computer literacy and legal literacy and gender sensitisation activities for all students.</p>	<p>The college has achieved tremendous progress in the students' Communicative Skills in English, proficiency in fine and performing arts, Computer Skill and Legal Literacy, thanks to our earnest efforts in this regard. The college regularly conducts Legal Literacy programmes and gender sensitisation activities. We engage external experts and our Counselling Centre in implementing Personality Development programmes at least twice a semester.</p>
<p>The College can aim to make every student and every teacher a 'Computer literate'.</p>	<p>The college has been regularly conducting Computer Awareness Programme (CAP) since 2004. Since CAP has been made a part of the school curriculum there is no need of our special effort for computer literacy propagation. Still we give instruction for the updating and upgradation of the faculty and students' computer skills, for which the computer lab is efficiently operational</p>

The College can establish a ‘Total Quality Management’ (TQM) group of active teachers to improve the overall quality of higher education.	The total quality management group, the IQAC was formed in the college in 2/7/2002.
As the College caters to the higher learning needs of backward classes and women of rural area, it is suggested that the Management can establish a National Centre for studies in development of backward classes.	We have not been able to implement this recommendation. But we are proud to be one college where a good number of students from backward classes and women of rural area are undergoing higher education. The Women Studies Unit and the NSS units jointly and separately conduct in-campus and off-campus empowerment programmes to promote learning and better life style for rural women, especially those who belong to backward classes.
The class room teaching may be made more effective and efficient by frequent use of modern audio-visual teaching aids like OHP, DLP, Slide projector, models, charts etc by teachers.	The college has three smart class rooms. All departments have class rooms with audio – video and ICT facility. We have three computer labs in the Departments of Physics and Chemistry, and the library; in addition to a general computer lab.
The College library can be converted into a total digital library by digitalisation of the book-issuing, receipt system through bar code techniques. The College is recommended to subscribe to the Information library Network (Inflibnet) of UGC with SOLE software. The College can go for subscribing ‘online service of International Journals from agencies like BISCO and others.	The college library has been fully automated and digitalized. The book issue and return are put under the barcode system. We subscribe to INFLIBNET and OPAC which facilitate unrestrained access to e-journals.
A well-structured office automation and communication channel should be established for collecting a feedback from academic peers and employees which can be utilized for the betterment of the College by applying Information Technology from admission records, fee receipts to issuance of books.	The Administrative Office and its operations are computerised. The public addressing system and the Internet facility in the departments make communication among the departments, the Principal’s office and the Administrative Office easy and quick.
Career guidance and counselling	The college has been conducting

<p>with placement cell as well as competitive examinations/ NET-SET training centre be established and thereby organise special coaching classes for students and out-going students.</p>	<p>UGC aided coaching classes for the competitive examinations like SET/NET. The Career Guidance and Placement Cell conducts programmes to make the students well informed of job opportunities, potential areas of employment, nature and culture of job and job venues, qualities and qualifications for each type of job, etc. Campus recruitments are also arranged by the cell.</p>
<p>The laboratories need to be modernised keeping in view the revised curriculum as per the guidelines of the UGC. The teachers of the Science disciplines need to concentrate more on research activities by acquiring Ph.D. degrees and Post-doctoral projects.</p>	<p>In our college the upgradation and modernization of the laboratories are a continuous process. We got DST-FIST support during this period. External scholars also utilize our lab facilities, as some instruments and equipments are rare in the college laboratories of Thiruvananthapuram.</p>
<p>The Management is recommended to build two hostels one for girls and one for boys.</p>	<p>A ladies hostel has been commissioned and safe external arrangements are made for the boys' stay.</p>
<p>Welfare measures like medi-claim, personal accident insurance, die-in-harness security for both teaching and non-teaching staff may be introduced.</p>	<p>All the students are protected by Group Personal Accident Insurance. The government has not yet formulated rules for extending die-in-harness security to the staff of affiliated colleges.</p>
<p>The College can apply for recognition as Research Centre in some of the departments with teachers equipped with the relevant research qualifications.</p>	<p>The college has two recognised Research Centres of the Kerala University – Chemistry and History. The rise in the number of research guides in our faculty is an encouragement to us to start more research centres.</p>

The College can extend facilities of Health club to students, teachers, non-teaching staff and can also introduce Yoga classes for interested groups.

The Health Club of the college functions efficiently. All students undergo medical check up every year. The Departments of Psychology and Physical Education undertakes the responsibility of conducting Yoga and Meditation, and Physical Fitness classes in the campus and hostel. A separate detailed medical check-up is conducted for the staff also.

The Political Science department can establish a Research Centre for Comparative study of religions in view of its philosophy based on the teaching of Sree Narayana Guru.

The university has accepted our Management's request to include Sree Narayana Guru's life and mission in the university syllabi, and accordingly the syllabus for BA Political Science, Sociology and History have been modified with the induction of Guru's life and mission. The government has established an International Sree Narayana Study Centre at Gurukulam, adjacent to the college. The Centre propagates ethical, moral and spiritual teaching of all great souls as well as of the Guru. The Study Centre conducts socio-cultural studies to analyse and solve different causes of socio-cultural and economic backwardness. The centre gives special emphasis on the various problems faced by women in the family, work place and the society and also strives for the upliftment of women from backward classes. The college has inter-library loan linkage with the centre. The Sree Narayana Study Centre of the college regularly conducts programmes in order to enlighten the students about the philosophy of the Guru, to mould them up as highly moral, cultured and egalitarian citizens, to instill the traditional values in them, to encourage them to empower themselves with the positive features of the modern civilization, and above all to develop patriotism in

	them.
The College Management is interested in applying for autonomous status to run self-supporting courses. As the UGC and Central government are encouraging autonomy, the University may consider their request favourably, in view of the demand of students.	A self finance institution is functioning in our campus.
The College can start the 'Earn while you learn' scheme to provide financial support to students by giving them work for two hours every day in the library, office, computers, garden development, plantation and greening campus or stationery making units etc.	We have implemented the 'Earn while you learn programme' wherein the students from the Department of English take classes for students weak in English from other departments and earn income for their studies. Similarly, the student members of Nature Club and NSS unit are also involved in departmental office work, garden development and keeping the campus green.
At present the College is offering Under-Graduate courses with limited combinations. It is suggested that the number of options may be increased to provide more choices and flexibility.	The course and curriculum design is done by the university and the college's freedom to effect add on course and flexibility is limited. Even though we do not conduct any course of our own, we have been imparting training to develop computer and communicative skills. At present we have 13 UG courses and yet another UG course in Malayalam has already been approved by the University. The CBCSS system implemented by the University offers lateral mobility and flexibility via the open courses at the UG level.
The College can take up on its own job-oriented short-term training programmes in Computer Application, Medical transcription, Communication skill etc.	We have not initiated job-oriented programmes, but have conducted short term training programmes on Computer Application and Communicative Skills. The Department of English is conducting a PG course in English with Elective Paper on 'Media and Mass Communication'. Another UG

	programme on Communicative Skills has also been sanctioned by the University.
The College can conduct national level debate and elocution competitions for students on current socio-economic issues in order to spread the message of Sree Narayana Guru to the younger generations.	We offer full support including financial aid to all activities and state level competitions organised by the Sree Narayana Gurukulam, Chempazhnathy, based solely on the ideology and teachings of Sree Narayana Guru. The Sree Narayana Study Centre of our college conducts classes on the life history, teachings and writings of Sree Narayana Guru and has charted out a detailed plan for conducting state level competition and National/Regional Seminar on the same
Though not as a course, the college regularly enlightens our students about Human Rights, Environment Protection, Gender Equality and other current cross cutting issues of global concern. All departments contact familiarization programmes on the emerging and inter disciplinary areas of Science and Technology. The faculty suggests and recommends books and journals which contain knowledge about such areas. It encourages the students to give presentations on selected areas and provide interdisciplinary help to them for the purpose.	

Certificate of Compliance

(Affiliated/Constituent/Autonomous Colleges and Recognized Institutions)

This is to certify that (Name of the institution) fulfils all norms

1. Stipulated by the affiliating University and/or
2. Regulatory Council/Body [such as NCTE, AICTE, MCI, DCI, BCI, etc] and
3. The affiliation and recognition [if applicable] is valid as on date.

In case the affiliation / recognition is conditional, then a detailed enclosure with regard to compliance of conditions by the institution will be sent.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or Recognition by the Regulatory Council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.

Date:

Place:

Principal / Head of the Institution

(Name and Signature with Office seal)



UNIVERSITY OF KERALA

Thiruvananthapuram, Kerala, India – 695034

(Established as University of Travancore by the Travancore University Act in 1937 and reconstituted as University of Kerala by the University Act of 1957 and presently governed by the Kerala University Act of 1974 passed by the Kerala State Legislative Assembly)

DR. M. JAYAPRAKAS
DIRECTOR
COLLEGE DEVELOPMENT COUNCIL

Phone (Off): 0471-2306514
Res: 0470-2657600
Fax: 91-471-2307158
Website: www.keralauniversity.ac.in
Email: jayaprakas.cdcd@gmail.com
Thiruvananthapuram, Kerala – 695 034

No.CDC/2014

Date: 26.05.2014

CERTIFICATE

This is to certify that Sree Narayana College, Chempazhanthu, Thiruvananthapuram, Kerala- 695587 is included in the list of colleges under 2(f) and 12 (B) of the UGC Act, 1956 published in the website of the UGC and the College has been receiving grants from UGC for colleges under 2(f) and 12 (B).

Yours faithfully,

**DIRECTOR
COLLEGE DEVELOPMENT COUNCIL**





Phone: 0471-2305631
Fax: +91-471-2307158
Email: regrku@gmail.com

UNIVERSITY OF KERALA

Thiruvananthapuram, Kerala, India - 695034

(Established as University of Travancore by the Travancore University Act in 1937 and reconstituted as University of Kerala by the Kerala University Act of 1957 and presently governed by the Kerala University Act of 1974 passed by the Kerala State Legislative Assembly)

No. Ac.B/04/027059/2014

Dated: 27.05.2014

CERTIFICATE

This is to certify that **S.N.College, Chempazhanthy** is a private aided College affiliated to the University of Kerala since the year 1964, currently offering the following Courses.

Sl.No	Courses	Branch	Intake
1	B.Sc	Physics	32
2		Mathematics	40
3		Botany	32
4		Chemistry	32
5		Zoology	32
6		Geology	24
7	B.A	History	60
8		Economics	60
9		English	40
10		Sociology	32
11		Psychology	32
12		Politics	40
13	B.Com	B.Com	30
14	M.A	History	15
15		English	15
16	M.Sc	Chemistry	10

This certificate is issued to the Principal, **S.N.College, Chempazhanthy** to apply for re accreditation of NAAC.



REGISTRAR

Diary No. 11

ADDL-449/10-11/KLKE005/UGC-SWRO

The Accounts Officer
South Western Regional Office
University Grants Commission
P.K. Block, Palace Road
Gandhinagar, Bangalore



विश्वविद्यालय अनुदान आयोग
नैरुत्य प्रादेशिक कार्यालय
UNIVERSITY GRANTS COMMISSION
SOUTH WESTERN REGIONAL OFFICE
P.K. Block, Palace Road, Gandhinagar
Bangalore-560 009.
Phone : (080) 2228 0380 Fax : (080) 2228 0381
30-Jul-14

Sub: Release of Grants-in-aid to SREE NARAYANA COLLEGE, CHEMPAZHANTHY, THIRUVANANTHAPURAM for the year 2014-2015 under Additional Assistance to Covered Colleges (Plan)

Sir/Madam,

I am directed to convey the sanction of the University Grants Commission for payment of grant of Rs.1000000/- for the year 2014-2015 to SREE NARAYANA COLLEGE, CHEMPAZHANTHY, THIRUVANANTHAPURAM for Additional Assistance to Covered Colleges under (Plan) expenditure to be incurred during 2014-2015.

NAME OF THE SCHEME	AMOUNT ALLOCATED	GRANT ALREADY SANCTIONED	GRANT BEING SANCTIONED NOW <u>CAPITAL ASSETS (35)</u>	TOTAL GRANT PAID	BALANCE GRANT TO BE PAID
ADDITIONAL ASSISTANCE TO COVERED COLLEGES	Phase-I	2500000	1000000	4500000	500000
	Phase-2	2500000			
	Total	5000000			

You are requested to utilise the sanctioned amount proportionately as detailed below :-

HEAD OF ACCOUNT	3(A)2202.03.102.10.01.35	3(B)2202.03.789.03.01.35	3(C)2202.03.796.03.01.35
	GENERAL - 760000	SC - 160000	ST - 80000

1. The amount released may be utilized for purchase of equipments like generator, inverter, laboratory equipment, smart board, refrigerator, audio-visual equipment including digital camera, LCD/TV and other teaching aids, computer and accessories, software and reprographic facilities under the scheme as per the guidelines

Purchase of more than one laptop under the scheme shall be avoided.

Amount may be utilised within four months from the date of receipt of fund.

- The sanctioned amount is debitable to '3(A)2202.03.102.10.01.35, 3(B)2202.03.789.03.01.35, 3(C)2202.03.796.03.01.35 and is valid for payment during the financial year 2014-2015 only.
- The amount of the Grant shall be drawn by the Accounts Officer/Drawing and Disbursing Officer, South Western Regional Office, UGC, Bangalore on the Grants-in-aid bill and shall be disbursed to and credited to the Principal of the College through Electronic mode as per the following details:
 - Details (Name & Address) of Account Holder: SREE NARAYANA COLLEGE, CHEMPAZHANTHY, THIRUVANANTHAPURAM
 - Account No: 2608101002099
 - Name & adress of Bank branch: CANARA BANK, ULLOOR, TRIVANDRUM
 - MICR Code: 695015014
 - IFSC Code: CNRB0002608
 - Type of Account: SB
- The grant is subject to the adjustment on the basis of utilisation certificate in the prescribed proforma submitted by the College.
- The college shall maintain proper accounts of the expenditure out of the grants which shall be utilised only on approved items of expenditure.
- The College may follow the General Financial Rules, 2005 and take urgent necessary action to amend their manuals of financial procedures to bring them in conformity with GFRs, 2005 and those don't have their own approved manuals on financial procedures may adopt the provlsions of GFRs, 2005 and instructions/guideline there under from time to time.
- The Utilization Certificate to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to UGC as early as possible after the close of current financial year.

Contd.2

8. The assets acquired wholly or substantially out of University Grants Commission's Grant shall not be disposed or encumbered or utilised for the purposes other than those for which the grant was given without proper sanction of the UGC and should at any time the College ceased to function, such assets shall revert to the University Grants Commission.
9. A Register of Assets acquired wholly or substantially out of the grants shall be maintained by the College in the prescribed proforma.
10. The grantee institution shall ensure the Utilization of grants-in-aid for which it is being sanctioned/paid. In case of non-utilization/part utilization thereof, the simple interest @ 10% per annum as amended from time to time on unutilised amount from the date of drawal to the date of refund as per provisions contained in General Financial Rules of Govt. of India will be charged. The refund of unspent grants in aid and/or interest, if any, be credited in following UGC account through e-mode(RTGS/NEFT) under intimation to this office.

Name of the Bank : Canara Bank, Cunningham Road, Bangalore / Account No. :0431101033961

Type of Account : Savings Bank / IFSC Code: CNRB0000431 / MICR Code 560015014

Holder of Account : University Grants Commission, Bangalore

11. The College shall follow strictly the Government of India/UGC's guidelines regarding implementation of the reservation of policy [both vertical (for SC, ST and OBC) and horizontal (for person with disability etc.)) in teaching and non-teaching posts.
12. The College shall fully implement the Official Language Policy of Union Govt. and comply with the Official Language Act, 1963, and Official Languages (Use for Official Purposes of the Union) Rules, 1978 etc.
13. The sanction is issued in exercise of the delegation of powers vide UGC office order No.130/2013[F.No.10-11/12(Admn. IA B)] dated 28/5/2013.
14. The College shall take immediate action for its accreditation by National Assessment and Accreditation Council (NAAC).
15. The accounts of the College will be open for audit by the Comptroller and Auditor General of India in accordance with the provisions of General Financial Rules, 2005.
16. The annual accounts i.e. balance sheet, income and expenditure statement and statement of receipts and payments are to be prepared strictly in accordance with the Uniform Format of Accounting prescribed by the Government.
17. The funds to the extent are available under the Scheme.
18. This issues with the approval of, UGC vide diary no.....datedAs revalidated by Chairman, UGC for the financial year 2014-15 vide diary no.....dated
This issues with the concurrence of IFD vide Diary No. 5968 and dated 31/01/2014.
19. An amount of Rs. 12 50 000/- out of the grant of Rs. 35 00 000/- sanctioned vide letter No.ADDL-449/10-11/KLKE005/UGC-SWRO dated 17-9-11 22-3-14 30-7-14 has been utilized by the College for the purpose for which it was sanctioned and noted in Grants-in-aid Register at Page No. 12
20. **The final 10% of the grant will be reimbursed after receiving a consolidated audited utilisation certificate and statement of expenditure of total grant allocated.**
21. The grant is sanctioned on the basis of the information/documents provided by the college. In case of any discrepancy in the above information and the college is found ineligible for the above grant at the time of expert committee meeting the college is liable to refund the sanctioned grant along with interest.
22. **The college shall ensure involvement of Technical advice on and supervision of specifications and construction standards.**
23. College should abide by the UGC Regulation on curbing the menace of ragging in the Higher Educational Institution 2009, and shall take action in accordance with these regulations against those found guilty of ragging and/or abetting ragging actively or passively or being part of an conspiracy to promote ragging.

Yours faithfully

Copy to

✓ 1. The Principal

SREE NARAYANA COLLEGE

CHEMPAZHANTHY

THIRUVANANTHAPURAM - 695 587

(He/She is requested to abide by these instructions/guidelines of sanction order.)

2. Officer of Director General of Audit, Central Revenues, AGCR Building, I.P. Estate, New Delhi

3 The Director

Department of Collegiate Education

Vikas Bhawan, Thiruvananthapuram - 33

4. The Dean/Director, College Development Council

KERALA UNIVERSITY

THIRUVANANTHAPURAM

KERALA - 695 034

5. Office copy

(Dr.N. Gopukumar)
Deputy Secretary

(Neethu S.Thulaseedharan)
Education Officer



Dr. Sujata P. Shanbhag
Assistant Adviser

NAAC-SR-SS/RAR – KLCOGN11324 /2014

16th July 2014

The Principal

Sree Narayana College

Chempazhanthu,

Thiruvananthapuram – 695 587

Kerala

Dear Sir/Madam,

Greetings from NAAC!

This has reference to your Letter of Intent (LOI) expressing your intention to go in for Assessment and Accreditation by NAAC. Please note your assigned unique track ID given below:

Track ID: KLCOGN11324

On scrutiny of your LOI and finding your institution eligible for Re-accreditation (henceforth referred to as 2nd Cycle accreditation), you are advised to proceed further for submission of Self-Study Report (SSR). The format for submission of SSR is same for all cycles of accreditation. You may download and use the format “**Manual for Self-Study-Affiliated Colleges**” from our website: http://www.naac.gov.in/manuals_ass_accrd.

Please note that the new process for Assessment and Accreditation requires uploading of the SSR on your institution website one month prior to submission to NAAC. It would be appreciated if you would also upload the Annual Quality Assurance Report's (AQAR's) of your institution for the preceding five years on the institutional website. Once the SSR and AQAR's are uploaded on the institution website you are requested to keep the concerned NAAC officer informed. Kindly, note that the uploaded SSR and AQAR's should not be password protected and accessible online to all stakeholders till the completion of assessment and accreditation process by NAAC.

Within Six months of the acceptance of the LOI and one month after uploading the SSR on institutional website you need to submit the following to NAAC.

1. Five hard copies and one soft copy of the SSR complete in all respects along with copies of the AQAR's for the preceding five years.
2. Duly filled in certificate of compliance in the enclosed format

19/7/14

.....2

पि ओ बाक्स नं. 1075, नागरभावी, बेंगलूर - 560 072, भारत P.O.Box No. 1075, Nagarbhavi, Bangalore - 560 072, INDIA

दूरभाषा Phone : + 91-80-23005127 (D), 23210261, 62, 63, 64, 65, Fax : +91-80-23210270

ई-मेल : e-mail : sujatanaac@gmail.com वेबसाइट Website : www.naac.gov.in

3. Self attested certificate of Validity from the university concerned for all the courses offered by your institution in original with the seal and signature of the competent authority in the enclosed format.
4. Applicable Assessment and Accreditation fee.

Kindly note the timelines for uploading and submission of SSR, failing which you need to come afresh by submitting online LOI afresh.

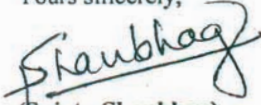
Date of acceptance of LOI	15/07/2014
SSR to be uploaded on the Institutional Website and intimated to NAAC	Before 13/12/2014
Submission of SSR hard copies	Before 14/01/2015

For details of the steps involved and timelines for responding by NAAC and the institution, kindly go through the “[Duties & Responsibilities of NAAC & HEI's](#)” which is hosted on the home page of the NAAC website: www.naac.gov.in.

For any further clarification kindly, log on to NAAC website or contact the undersigned.

Thanking you,

Yours sincerely,


(Sujata Shanbhag)

Encl: a/a


19/12/2014

