

**SREE NARAYANA COLLEGE,
CHEMPAZHANTHY, THIRUVANANTHAPURAM**

ANNUAL REPORT 2006-2007

I am proud to present this comprehensive annual report of the activities and achievements of Sree Narayana College, Chempazhanthy, of the academic year 2006-2007. This report is relevant as an audit statement which projects our strengths and weaknesses, merits and demerits, and achievements and pitfalls. As a manifestation of our sincere and candid introspection, this documentation would provide light for furtherance of achievements and rectification of drawbacks.

An efficient academic committee comprising all HODs discusses designs and executes academic plans for each academic year. To systematize the academic activities, the Committee charted out a pragmatic Academic Calendar in detail, in the beginning of the academic year itself. All academic activities were scheduled and conducted as prescribed in the calendar. Thanks to the fool-proof designing of the calendar and the meticulous maintenance of the schedule, the academic achievements of the college during the academic year are tremendous.

The Academic Committee formed various clubs, forums etc. each under the stewardship of an efficient convener and members of the faculty. These clubs aim at total personality development, opening opportunities to bringing up the various latent talents of our students. This year, the outcome of the activities of the clubs and forums has been much greater than that of the previous years. Along with the academic ambitions, we could fulfill the co-curricular and extra-curricular expectations also in an unprecedented manner.

The Parent-Teacher Association of our college has been the unfailing prop which sustains and accelerates all activities and provides all academic and related facilities as well as satisfies infrastructural requirements. This year, the contribution of the PTA towards the overall success of our college is far greater, qualitatively and quantitatively, than that of the past.

The units of National Service Scheme and National Cadet Corps, and the Department of Physical Education have proved their improved caliber by achieving honours and championships for the college this year also, we expect a record in the history of Sports & Games in the University of Kerala by making a hat trick as the champion college under the University for the coveted GV Raja Trophy.

The members of our faculty and students have made a lot of achievements in various fields collectively and individually this year also. The whole hearted cooperation and complete involvement of our teaching and non teaching staff and students are the motivating force which helps us in materializing our objectives.

Our association and cooperation with socio-cultural organizations have made remarkable improvement in the fulfillment of our social obligations.

The timely and effective complete utilization of funds that we have been uncompromisingly practicing has been instrumental in enabling us gaining ambitious amounts as grants and aids from UGC.

Above all, the boundless support of different sorts from the management, SN Colleges, Kollam, the Manager of Sree Narayana Colleges, Assistant Secretary of SN Trusts and the Regional Development Committee are the mainstay for the successful functioning of our college.

Staff strength

The total number of number of Teaching Staff during the current academic year is 72 and the number of Non Teaching staff is 38. The total number of students as on 31-12-2006 is given below.

Students as on 31-12-2006

Courses	Male	Female	Total
BA	369	761	1130
BSc	228	447	675
BCom	53	84	137
MA	6	25	31
MSc	3	27	30
TOTAL	659	1344	2003

Results of the University Examination - March-April 2006

The Academic Committee analyzed the results of the University examination March-April 2006, in detail and is very glad to note that the average pass percentage and the average percentage of first classes of our college is by far higher than that of the corresponding University averages. The most remarkable aspect is that in all the subjects of study, the pass percentage is higher than that we achieved last year, which substantiates the academic progress we have achieved.

Percentage of pass University Examination 2006

Course	Percentage of pass
BA	75.3
BSc	95.6
BCom	69.8
MA	68.4
MSc	86.7

Annual Quality Assurance Report

The Internal Quality Assurance Cell of our college has prepared the AQAR of 2005-2006 and submitted to the NAAC office at Bangalore in time.

Important events/achievements

A multi disciplinary academic conference, entitled **SPECTRUM 2006**, was organized successfully by the Academic Committee from 18th October 2006 to 12th November 2006. The conference was formally inaugurated on 18th October 2006 by **Shri. Mullakkara Ratnakaran, Hon'ble Minister for Agriculture**, Government of Kerala, at a function organized in the college auditorium. **Dr. M.K. Ramachandran Nair, Hon'ble Vice Chancellor, University of Kerala** delivered the keynote address. During various sessions, eminent personalities of the academic world and experts in different disciplines presented papers and interacted with the students. In the afternoon sessions, more than 90 students and researchers from various colleges, including ours, and research institutions presented papers. The conference was fully financed by PTA.

List of the prominent speakers in Spectrum 2006

1. Dr. K. George Thomas, Scientist, Regional Research Laboratory, TVM
2. Dr. M.S. Gopinathan, Professor of Emeritus, IIITM-K, Technopark,
3. Ambassador T.P. Sreenivasan
4. Dr. G. Karunakaran Pillai, Fellow, Centre for Development Studies.
5. Dr. M.K. Saralamma, Reader, University of Kerala
6. Dr. N.K. Bhaskaran, Professor and Head (Rtd.), University of Kerala.
7. Dr. P.J. Cherian, Director, Kerala Council for Historical Research
8. Dr. Achuth Sankar S. Nair, Hon. Director, Centre for Bio-Informatics, University of Kerala
9. Dr. M. Baba, Director, Centre for Earth Science Studies

10. Dr. E. Shaji, Scientist, Central Ground Water Board
11. Dr. Ruby John Anto, Scientist E1, Rajiv Gandhi Centre for Biotechnology
12. Dr. T.R. Santhosh Kumar, Scientist, Rajiv Gandhi Centre for Biotechnology
13. Dr. M. Indukumari (Prof & Head), Dept of Sociology, University of Kerala
14. Smt. Mercy Williams, Mayor, Corporation of Cochin
15. Dr. Krishna Prasad Sreedhar, Formerly Professor of Psychology, University of Kerala.
16. Dr. Justine Padamadan, Formerly Clinical Psychologist Medical College, TVM.
17. Ms. Jocelyn L. Chua, Research Fellow, Stanford University, USA.
18. Sri. Vijayabhas E.J, Chief Environmental Engineer, Kerala State Pollution Control Board
19. Prof. Thankamoni D., College of Engineering, Thiruvananthapuram.
20. Sri. Dileepkumar M, Environmental Engineer, Kerala State Pollution Control Board
21. Mr. C. Gouridasan Nair, Chief Correspondent, The Hindu.
22. Ms Sandhya M. Nair, Consultant, Technical writing, IBS Software, Technopark
23. Dr. Anil Bharadwaj, Scientist 'SF', VSSC
24. Prof. B. Somanathan Nair, Regional Director of Technical Education

Publication of Souvenir

The gist of papers presented by the resource persons and scholars from outside, our teachers and our students were published in a Souvenir. The Souvenir was released by the veteran Gandhian Sri. Gopinadhan Nair.

Extension Activities

Sree Narayana College has the credit of being the first Arts and Science College in Thiruvananthapuram providing extension services for the betterment of the society at large. Extension Activities of the college was formally inaugurated by the **Hon Minister for Sports and Youth Affairs, Mr. M. Vijayakumar** on 18th July 2006. The Minister gave away cash awards and memento to the top scorers of the University examination 2006. The four senior coaches of the College athletic/aquatic team were honoured in the function. Mr. Sajith Vijayaraghavan, Director VHSE was the Chief Guest. This year we had conducted an in house training programme for students studying in the Vocational Higher Secondary Schools. Seven schools were selected in phase one and classes were taken by Mr. T.N. Manoharan and Dr. I.G Shibi of Department of Chemistry, Dr. K.L. Vivekanandan and Mr. M.D. Ratheesh Kumar of Department of Geology and Dr. Aravind Thampi and Dr. Laiju S. of Department of Psychology.

Know Your College

An **orientation programme** for the first year degree students, '**Know Your College**', was conducted on 28-08-2006. The students were divided into five groups and teams of teachers introduced several aspects of college including the history of the college, facilities available, disciplinary regulations, curriculum, examination system, syllabus, activities of various clubs, NSS, NCC and other personality development opportunities.

Communicative empowerment

The college conducted **Spoken English Classes** for final year students as additional input this year. For the purpose an experienced teacher, Smt Sarika was appointed.

Development of Cyber Skill

CAP 2006, a computer awareness programme effectively transformed all our out going B.A./B.Sc. and M.A./M.Sc. students computer literate. The course of 25 hour duration included

Windows, MS Word, MS Excel, MS Power point, Internet-Email etc. All successful candidates were given Certificates too.

Career Guidance

The activities of the **Career Guidance Cell** were formally inaugurated by our principal Prof VS Lee in November 2007. The cell provided comprehensive information and support for various jobs after graduation and information regarding prospects for higher learning. An individual and group session for personality development was given to students who volunteered at the department of Psychology. A few of the former students also availed this service.

The Cell conducted various programmes including mock Group Discussion and Interview Training sessions.

NOVEMBER 2006

- ∅ A mock MCA entrance test was conducted by the TIME group for final year science students.
- ∅ An awareness seminar on IT prospects for science graduates was conducted by NIIT, Trivandrum.

DECEMBER 2006

- ∅ A Talent Ensemble group was formed in which 106 students nominated by the final year tutors were registered.
- ∅ Two days of intensive in-house training was provided to enable the students to clear the Aptitude test which is the first screening test for placement by the faculties of TIME group which was sponsored by the PTA.
- ∅ A one-day intensive training program was given on communication, group discussion and interviews tips. Mock sessions were also organized to develop the self confidence of the students. This was done with the support of The Career Institute and PTA.
An employment guidance cell is formed to coordinate campus interviews by standard units and a few of the students have already been recruited through the cell.
- √ Two students have been selected by Infosys.
- √ Five short listed by Genpact (GE group)
- √ Three students have been selected for training in medical transcription.
- √ Ten students are short listed after attending various placement fairs organized in and around Trivandrum. They are awaiting their final year results to get the call letters.
- √ Four students were selected as LIC agents with a stipend for one year.
- √ LIC , Cipla, Ranbaxy and Eureka forbes are to visit the campus for passed out graduate students interested in marketing

Tourism Club

The Tourism Club is constituted in this institution, as per the Kerala Government Tourism Policy, to create a drive among the student community to promote tourism. This club functions under the auspices of the District Tourism Promotion Council.

The activities of the **Tourism Club** were inaugurated by Sri. B. Jayachandran Nair, Planning Officer, Department of Tourism, Govt. of Kerala. Under the auspices of Tourism Club, Prof. Sam Thomas, Senior Faculty member, Food Crafts Institute, Trivandrum delivered a talk on "Career Opportunities related to Tourism". A poster painting competition was held on World Tourism Day on 27th September 2006.

Final year students of most of the departments went to different tourist places for visit as a part of their study. Tourism club was able to give proper directions in this regard.

Founder's Day

The Founder's Day, 7th of November, was observed this year by holding a commemorial meeting in which the chief guest was Shri. Thiruvanchoor Radhakrishnan, former minister and a political disciple of Shri. R. Sankar, our founder.

College Union

Hon. Minister for Electricity, Sri. A.K. Balan inaugurated the **College Union** for 2006-07 on 7-12-06. Sri. Vinaya Chandran, celebrated Malayalam poet inaugurated the Arts Club on the same occasion. A three day long arts festival was conducted in December 2nd week. The valedictory function of the College Union was held on 01-03-2007. The chief guest was Sri. Jayaprakash, Dy Mayor, Thiruvananthapuram Corporation.

Entrepreneurship Development Club

Entrepreneurship Development Club organized a three day awareness programme sponsored by the Science and Technology Entrepreneurship Development Project of STED from 12th to 14th July 2006. 108 students of our college participated in the programme. Dr. V. Hemchand, Director of STED and Prof. Job, Centre for Management Development participated.

XXXIII All Kerala Sociological Conference

The college hosted the **XXXIII All Kerala Sociological Conference** from 1st December to 3rd December co-sponsored by Rajiv Gandhi National Institute of Youth Development, Sreeperumbudur. The conference was inaugurated by N. R. Madhava Menon, Former Director of National Judicial Academy. Sri. G. Rajasekharan IAS Director, Rajiv Gandhi National Institute of Youth Development and Prof G. Balamohan Thampi, Former Vice Chancellor, University of Kerala and N. P. Hafiz Mohammed were a few prominent personalities who have participated in the function.

Class Wise PTA Meetings

Forty three **class wise PTA** meetings were held to find out psychological and academic merits and demerits of the students through interaction with the parents. All the PTA meetings were well attended and the meetings turned out to be very successful due to the lively and sincere interaction.

The tutorial system

The **tutorial system** has been implemented effectively in fostering better students-teachers relationship and maintaining discipline. The tutors were given complete freedom for assessing students' ability and to report the Principal any fault from the part of students. Formation of Talents Ensemble, identification of poor and needy students, were effectively carried out with the help of group tutors.

Book Club

A **book club** has been formed aiming at the development of the reading habits and literary talents of the students. Book Club was inaugurated by Famous poet D. Vinayachandran on 17-10-2006. The Literary and Debating Club was inaugurated by Mrs. Sarada Muraleedharan IAS on 28th August 2006.

Anamikayde Suvishamgal a book written by Smt. Asa G of the Dept. of Malayalam has been selected for the prestigious Sahithya Keralam Award for this year's debut writing in Malayalam.

All the Malayalam TV channels projected Smt. G. Asa and the merit of her work by means of various programmes telecasted several times. She was invited to cancer treatment centres including the RCC where her presence and interaction with the patients were acclaimed as more comforting than medicines.

Science club

Science club organized a Science exhibition and documentary show based on the life and works of Great scientists in December 2006. Six students participated in the Science Camp organized by Breakthrough Science Society, Kerala in Science and Technology Museum on 10th 11th and 12th November 2006. Several students of the dept of physics visited ISRO.

Music Club

Sangeethika, a **Musical Audio Album** of our college was released on December 2006. Mr. R. Balachandran Nair of Dept of English Smt. Asa. G. of Dept. Malayalam, and Visakh Soman IBA English composed the lyrics and nine students of our college sang the songs. The album is widely acclaimed as an excellent musical production. Music club members actively conducted many musical programmes in the college.

Nature club

Constituted to popularize the "Save our Environment" drive among the student community, this club conducted study classes and nature camps with the involvement as well as co-operation from the NSS & PTA. It has organized a "Green Group" for the protection and maintenance of trees and plants in the campus.

Food Fest 2006

Onam was celebrated in the college with great pomp this year also. A grand Food Festival, *Food Fest 2006* in which students and teachers of every department and the non-teaching staff prepared special dishes and set up their own stalls, and sold in reasonable price. There was the traditional Onam Feast and inter departmental Athapookkalam competition for students. A Pulkoodu contest was also held in connection with the Christmas celebrations. Deepavali was celebrated with the traditional fireworks.

Archival Exhibition

The Post Graduate Dept of History, facilitated by the Kerala State Archives had organized a two day Archival Exhibition at the college. The exhibition had showcased over 200 invaluable documents pertaining to the freedom struggle of Kerala. Landmarks in Kerala's socio-cultural and political history were also exhibited. Documents bearing on the early history of the Sree Narayana movement were an additional attraction.

The exhibition was inaugurated by Sri N K Premachandran, Minister for Water Resources, Kerala, on 10th January 2007. The exhibition organized in College Seminar Hall had over 1500 enthusiastic visitors. Students and teachers from nearby schools eagerly went through the exhibits visually relishing their tryst Kerala's past. Staff and students of the College joined inquisitive visitors from all walks of life to get a glimpse of the rare documents that moulded Kerala's life and society.

Historia, an academic journal was published by the department of history on June 2006.

Meritorious Award

The Principal **Prof V.S. Lee**, S N College Chempazhanthy was awarded the merit certificate constituted by **Viswa Samskara Vedi** for holding the leadership for the effective functioning and teaching in the college during 2006. The award was presented by the district collector **Si N Aiyappan** in a colourful meeting held at Thiruvananthapuram.

Award for the Best Performing Department

Department of Chemistry has been adjudged as the Best Performing Department this year by the judging committee, comprising experts from outside. A cash award of Rs 15000 is constituted by PTA for the award winning department. The selection was done according to the parameters prescribed by the college council after discussions on the matter.

Achievements of students

Jaseera J. of Final year B.Sc Botany brought another laurel to the college by winning **II rank** in the University examination B.Sc Botany 2006.

Ratheesh K.S. I B.Sc Zoology won II prize in the Light music (men) in the University Youth Festival held at Alleppy in December 2006.

Umesh B. secured II prize in quiz competition organized in connection with Sivama Keralam by Law College.

Staff day

The faculty of the college celebrated a day with colour and cadence on 7/3/2007. A picnic to Kappil and artistic presentation by members of the staff were the highlights of the day.

Alumni

The alumni association of the college, **Chesna** conducted a family meet on 25-02-2007 which was inaugurated by the Hon'ble Minister C Divakaran. Playback singers, Bhavana Radhakrishnan, Mrs Arundhathi were the chief guests.

SACSHI the Sociology Alumni Co-ordination Society for Humanity Improvement launched its silver Jubilee celebrations of the Sociology department on 3rd February 2007. Well known sociologists like Sri. Brahmanayakam, Dr. P.K.B. Nayar, Dr. Indukumari, Jayakumari, Dr. Abraham Vijayan participated in different sessions as speakers. Dr. K.B. Thankamani, HOD, Sociology was given a send off at the function.

Film festival

The College Union conducted a 2-day Film Festival at Tagore Theatre Vazhuthacaud in which four different films were exhibited. Students and members of teaching and non-teaching actively participated in the two day film festival.

Research Activities (a very brief report of research work done by teachers during the year)

Awarded Ph.D

Mr. K.L. Vivekanandan of Department of Geology, Mrs. S. Sethulekshmy and Mrs Lekha K. Nayar of Dept of History, Mr. M..J. Manoj of Dept of Physical Education, Mr. I.G Shibi and Mr. K. Vijayakumar of Dept of Chemistry and Mrs. Baby Girija of Dept of Hindi were awarded Ph.D degree during this year.

The reputation of our teachers as useful academicians is evident in the invitations that they got from various academic institutions for talks and presentations. About 26 papers were

presented by our teachers in international, national and regional seminars, workshops and conferences. 9 publications, both national and international, by our teachers also are in our credit this year.

On Going Research Projects

Eight minor research projects have been sanctioned by UGC so far during the X plan period in favour of five departments of our college in the year 2006-2007 as given below.

1. Dr I G Shibi (Chemistry) '*Modified Banana Stalk for the Removal of some Organic Dyes from Aqueous solution- Evaluation of Kinetic and Thermodynamic Parameters*
2. Sri P K Viswanathan (Chemistry) '*Phytochemical Studies on the Plant "Popowia beddomeana"*
3. Dr R Revamma (Chemistry) '*Pasting And rheological properties of Starch and its Derivatives in Presence of Added Chemicals*'
4. Dr T Suresh (Chemistry) '*Studies on the Chemical Changes of Red Plumbago in Ayurvedic Medicinal Preparations*'
5. Dr G Sreenivasan (History) '*Social Mobility Subaltern Strategies: Honorific Titles and Social Elevation Among the "Avarnas" in Travancore*'
6. Dr S Sreelatha (Physics) '*Investigation of Source Regions and Generation Mechanisms of Short Period Gravity Waves in the low Latitude Troposphere Using Indian MST Radar*'
7. Smt P Sathee devi (Botany) '*Cytology of the endosperm in barbrren coconuts*'
8. Dr M K Manilal (Commerce) '*Cotton Mill Industry in the Public Sector in Kerala – An evaluation of the Capacity Utilization*'

A detailed final report of the Minor Research Project of Dr. Manoj M.J. was submitted to UGC, SWRO, Bangalore, during the year.

Research papers during 2006-2007

Department of Chemistry

1. T.S. Anirudhan and **I.G. Shibi**, (2006) "Preparation of a Cation Exchanger Containing Carboxyl Groups from Banana Stalk and Its Utilization as Chelating Agent" [accepted for publication in *The International Journal on Banana and Plantain - Infomusa*] [INIBAP, FRANCE]
2. **I.G. Shibi** and T.S. Anirudhan, (2006) "Kinetic and equilibrium modeling of adsorption of cobalt(II) from aqueous solutions onto surface modified lignocellulosics (musa paradisiaca)" [published in *Indian Journal of Chemical Technology*, 13: 539-543] [CSIR, NEW DELHI].
3. **I.G. Shibi** and T.S. Anirudhan, (2006) "Polymer Grafted Banana Stalk (*Musa Paradisiaca*) as an Adsorbent for the Removal of Lead(II) and Cadmium(II) Ions from Aqueous Solutions: Kinetics and Equilibrium Studies" [published in *Journal of Chemical Technology & Biotechnology*, 81: 433-444] [WILEY INTERSCIENCE (SCI), LONDON].
4. **I.G. Shibi** (2007) "Preparation and application of effective adsorbents/ionexchangers from lignocellulosic biowastes for the purification of dye bearing wastewaters" [communicated to *International Journal of Environment and Waste Management*].
5. **Revamma R.** Research Paper titled 'Sodium Lauryl Sulphate on Viscosity Characteristics of Cassava Starch' has been accepted in *Asian Journal of Chemistry*.

Department of History

1. **Suresh Jnaneswaran** 'United left front, Praxis of Mass Mobilization and the Freedom struggle' - *Journal of Indian History*, Vol LXXXIV, University of Kerala.
2. **Suresh Jnaneswaran** 'Resurrection of the Historical Narrative and the analytical paradigm' *Contemporary India*, Vol V, No. 3, Nehru Memorial Museum and Library, New Delhi.
3. **Suresh Jnaneswaran** 'K.R. Narayanan: A case of social symbiosis, accumulation and assimilative consummation' *The Quarterly Review*, Institute for Historical Studies, Calcutta (accepted for publication)

Department of English

1. **N. Sreekala** 'Feminism with a Difference: Reading Shashi Deshpande's *The Dark Holds No Terrors* and *Roots and Shadows* in *New Frontiers* published by the Institute of English.

Presentations in Seminars/Conferences & participation as Resource person during 2006-2007

1. **Dr. Suresh Jnaneswaran** Dept. of History presented a paper on 'Consciousness and the public sphere' at the multidisciplinary conference 'Consciousness- 2006' organized by S.N. College, Punalur, December 2006.
2. **Dr. Suresh Jnaneswaran** Dept. of History is a Resource person of the Academic Staff College, University of Kerala.
3. **Mr. A. Shaji** Dept. of History presented a paper titled 'Hindu Response to Conversion Threat- Questions on Conversion and Social Equality' in the XXXIII All Kerala Sociological Conference from 1st December to 3rd December 2006, Co-sponsored by Rajiv Gandhi National Institute of Youth Development.
4. **Dr. R. Revamma** Dept. of Chemistry presented a paper on 'Effect of some acids and oxidizing agents on the properties of Cassava and sweet potato starches' at the International Symposium of Tropical Root Crops (ISTRC) held at Trivandrum from 20-11-06 to 26-11-06.
5. **Dr. P. Laila** Dept of Malayalam published the abstract of paper 'Valmiki- Re-interpreted' in the Summaries of papers, All India Oriental Conference held at Jammu University, Jammu on 12-14-october 2006.
6. **Dr. Sreelatha S.** Dept of Physics presented a paper on 'Study of short period gravity wave variance and spectrum in the low latitude troposphere using MST Radar' in the XIV National Space Science Symposium held at Visakhapattanam Sponsored by ISRO and Andhra University.
7. **Dr. Sreelatha S.** Dept of Physics presented a paper on 'Comparative study of gravity wave momentum flux by symmetric beam method and power spectral method using MST Radar' in the XIV National Space Science Symposium held at Visakhapattanam Sponsored by ISRO and Andhra University.
8. **Dr. K. Remanan** of Dept of Commerce presented a paper on 'Sreenarayana Guru's vision on secularism' in the National Seminar organized by the International Association of Educators for World Peace, Kerala Chapter on 18th December 2006.
9. **Dr Aravind Thampi** Dept. of Psychology was a resource person in the Workshop on 'International Curriculum Preparation for Diploma in Education, Planning, and Administration' organized by University of Kerala from 15th to 17th December 2006.
10. **Dr Aravind Thampi** Dept. of Psychology presented a paper on 'Children of Alcoholics: An Intervention Module' in the 11th International and 42nd National Conference of Indian Association of Applied Psychologist (IAAP) organized by the Department of Psychology, Jamia Milia Islamia, New Delhi in February 2007.
11. **Dr. I.G. Shibi.** took a class on the 'Relevance of Green Chemistry' for the Teacher participants of UGC sponsored Refresher course in the Academic Staff College, Kariavattom on 5th February 2007.

12. **Dr. I.G. Shibi**, Dept of Chemistry delivered Dr. K. Sundaresan memorial talk on 22nd February 2007 at S.N. College, Kollam on 'Green Chemistry'
13. **Dr. I.G. Shibi**, Dept of Chemistry 'Synthesis, characterization and application of iron(III)-loaded Duolite C26 adsorbent for arsenic removal' accepted for presentation in the National symposium on 'Recent Advances in Analytical Sciences and Applications', organized by Indian Society for Analytical Chemists in association with Himachal Pradesh University, Shimla on 9th-11th April 2007.
14. **Sri. T.N. Manoharan** presented a paper on 'Nanochemistry' at the academic conference *Renaissance 2007* at S.N. College, Chengannur on 22-01-2007.
15. **Smt. D. Beena** A paper, titled '*Influence of Substrate temperature on Properties of Indium Tin Oxide Film*' accepted in the Journal of Solar Energy Materials and Thin Films.
16. **Smt. D. Beena** A paper, titled '*Effect of substrate temperature on surface morphology and optical properties of WO₃ nano thin films prepared by pulsed laser ablation technique*' accepted in Nanotrends-A Journal of Nanotechnology and its Applications.
17. **Smt. D. Beena** has presented a paper on 'Indium oxide films and the other on WO₃ nano films', in the National Conference on Microscopy and XXVIII Annual meeting of Electron Microscope Society of India EMS INC-06.
18. **Smt. D. Beena** has presented a paper on '*Preparation and Characterisation of Indium Oxide films by pulsed laser ablation technique*' in the eighth International Conference on Nano Structural Materials, - Nano 2006, August 20-25.
19. **Smt. D. Beena** has presented a paper 'Solar energy materials and thin films IMRC 2006' in the Symposium Photovoltaics.
20. **Smt. D. Beena** has presented a paper 'Influence of substrate temperature on Indium tin oxide films'.
21. **Smt. D. Beena** has presented a paper 'Influence of substrate temperature on properties of nano tin doped Indium oxide films' and another one titled 'Determination of Optical constants and characterisation of nano structured Tungsten oxide films prepared by pulsed laser ablation' were presented in Photonics- 2006, December 2006.
22. **Smt. D. Beena** has presented a paper titled Atomic force microscopy in the DAE- BRNS National laser Symposium-06, NLS- 2006 Indore, India.
23. **Smt. D. Beena** has presented a paper titled 'Growth and Characterisation of Reactive Pulsed Laser Deposited Tungsten Trioxide Thin Films' was presented in the International Conference on Thin Films, Thin films 2006, Singapore.
24. **Dr.K Remanan** has organised three days *Entrepreneurship Awareness Programme, during 12 to 14 July 2006, in Chirayinkil, sponsored by Science and Technology Entrepreneurship project.*
25. **Dr.K Remanan** was a Resource Person in the Seminar conducted by Commerce Association of Christian College, Kattakada.
26. **Dr.K Remanan** has presented a paper on Sree narayana Guru's vision on secularism, in the Seminar on Restructuring our education based on Spiritual Secularism organised by International Association Of Education For World Peace held at Trivandrum on 18th December 2006.

Participation of Teachers in Workshops/Seminars/Conferences during 2006-2007

1. Mr. M.D. Ratheesh kumar Dept. of Geology has undergone training in Computational Geosciences conducted by the IIITMK, Technopark

2. Mr. M.D. Ratheesh kumar of Dept. of Geology attended International Conference on GIS held at Technopark on 7th and 8th Dec 2006.
3. Dr. K.L Vivekanandan of Dept. of Geology attended International Conference on GIS held at Technopark on 7th and 8th Dec 2006.
4. Dr. Aravind Thampi participated in the one week training programme on 'E-content development' conducted by UGC at Thiruvalla September 2006
5. Dr. Shibi. I.G. participated in the UGC sponsored workshop on 'Redesigning Chemistry Practicals – A Green Chemistry Approach' on 10th and 11th August 2006 at Calicut.
6. Sri. T.N. Manoharan attended three day workshop organized by Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore on 27th-29th Nov 2006 at Trivandrum.
7. Dr. K. Vijayakumar attended three day workshop organized by Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore on 27th-29th Nov 2006 at Trivandrum.
8. Mr. P.K. Viswanathan participated in the one day seminar on 'Computational Chemistry' conducted at IIITMK, Technopark on 29-07-2006.
9. Mr. P.K. Viswanathan participated in the one day seminar on 'Computational Chemistry' conducted at NSS College Pandalam on 14-02-2007.
10. Dr. K. Vijayakumar participated in the one day seminar on 'Computational Chemistry' conducted at NSS College Pandalam on 14-02-2007.
11. Mr. P.K. Viswanathan participated in the one day seminar on 'Computational Chemistry' conducted at Government women's College, Thiruvananthapuram on 21-02-2007.
12. Dr. K. Vijayakumar participated in the one day seminar on 'Computational Chemistry' conducted at Government women's College, Thiruvananthapuram on 21-02-2007.
13. Mr. R. Balachandran Nair of Dept of English participated in the National Seminar on Language teaching held on January 29th to 31st 2007 at Govt. College, Pattambi.
14. Dr.K Remanan participated in a One Day Workshop on Business English, organised by Cambridge University and British Council, held at Department of Commerce, University of Kerala on 23rd September 2006.
15. Dr. Remanan attended a Statistical Workshop to review the Papers presented in Restructuring our education, based on Spiritual Secularism, on 22nd January, 2007.
16. Dr.K Remanan attended a programme on Role of political Executive and Civil Service in Democracy, organised by the Company Secretaries of India, Trivandrum Chapter, at Trivandrum on 28th February, 2007.
17. Dr. S. Sethulekshmy attended the National Seminar on Water Management organized by the Swadeshi Science Movement in Trivandrum in December 2006.
18. Smt S. Sudha of Dept of Zoology participated in the national seminar on 'Biotechnology' conducted at Trivandrum on 16-10-2006
19. Dr. Kiron Vasudevan of Dept of Zoology participated in the national seminar on 'Biotechnology' conducted at Trivandrum on 16-10-2006
20. Smt Satheedevi of Dept of Botany participated in the national seminar on 'Biotechnology' conducted at Trivandrum on 16-10-2006
21. Dr. K.B. Thanakamany of Dept of Sociology Participated in the two day seminar organized by the Dept of Sociology Govt. College, Kanjiramkulam on 21st and 22nd February 2007.
22. Dr. B. Jayasree of Dept of Sociology Participated in the two day seminar organized by the Dept of Sociology Govt. College, Kanjiramkulam on 21st and 22nd February 2007.
23. Dr. K. Usha of Dept of Sociology is participating in the two day seminar on 'Re-defining the concept of family in the 21st century' by UGC at Loyola College, Trivandrum 21st and 22nd March 2007.
24. Dr. B. Jayasree of Dept of Sociology is participating in the two day seminar on 'Re-defining the concept of family in the 21st century' by UGC at Loyola College, Trivandrum 21st and 22nd March 2007.

Two faculty members, **Dr. K. Remanan** and **Dr. M.K. Manilal** of Department of Commerce have been redesignated as Reader, and were granted recognition as Research Guides by the University of Kerala during this academic year.

Activities of PTA

The Parents Teachers' Association of the college has been very active in providing academic, extra curricular, and infrastructural facilities and amenities to the students and staff. The PTA has taken up a number of activities to ensure the all-round welfare of our students by finding funds for the implementation of schemes, programmes, and facilities. The activities of the PTA have given a remarkable face-lift to the college, altogether.

This year the PTA distributed free mid-day meals on all the working days to more than 100 poor students who were selected by means of the Tutorial machinery. Very poor students received financial assistance from the PTA and all the needy students got medical assistance including timely hospitalization. The PTA extended financial support to PG students to attend National Seminars and gave cash awards to those students, who got the highest marks in the final year degree and post graduate examinations of April/May 2006, in each discipline.

The PTA has taken up the responsibility of paying the security personnel, driver, gardener and sweepers their salary, and paying the telephone and electricity charges for the college, this year also.

The financial burden of several academic and other activities were also borne by the PTA. They include the subscription of periodicals in the college library; beautification and furnishing of the Seminar Hall; expenses for the Mid-term and Model Examinations; printing of progress cards; academic diaries and attendance registers; maintenance and modification of toilets; the construction of the college gate; repairing of the water pump set; regular cleaning of the campus, water tank and toilets; modification and beautification of the college garden; electrification of the arts block; repairing and updating of the computers and the UPSs; replacement of unusable lights and fans; maintenance of the Sports Hostel; maintenance of the public addressing system; painting of black boards; and above all, the extension of the water supply and drainage system to the whole of the college building.

SPECTRUM 2006, the functioning of the Career Guidance Cell, loans to the guest lecturers and the non-teaching staff, class-wise PTA meetings, and 'Know Your College' programme were fully funded by the PTA.

One of the most remarkable contribution of the PTA this year is the installation of a **Ladies' Toilet complex** with modern facilities and architectural beauty. The complex was opened on 8th November 2006, after its completion in a record time of 10 months.

New construction

The linking of the two separate blocks of the main building in 1st and 2nd floors is at the verge of completion. Four rooms and three toilets are also provided newly along with the linkage. The cost of this work is fully met by our management, S.N Trusts, Kollam.

A brief report of the students' achievements in Games/Athletics

Our college has been awarded the **G V Raja trophy** for the best performing college of Kerala University, which secured 258 points over all in all the sports and games activities together during the year 2005-06 and consecutively for the second year. The trophy was awarded by **Dr Thirumalai Swamyamil Nadu P, Hon'ble Vice Chancellor, Tamil Nadu Physical Education & Sports Science University, Chennai**. Kerala University inter collegiate **Cross Country Championship** was

hosted by our college on September 18th 2006. The annual athletic meet was held on 19-02-2006.

Individual Achievements

Aquatics

1. Sreejith K.C. III B.Com is adjudged as the fastest swimmer of Kerala University 2005-06. He won first prizes in 50 mts. Free style, 100 mts. Butterfly, 200 mts. Butterfly, 400 mts, 200 mts, 100 mts free style and is the Kerala University intercollegiate Aquatic champion . he also won several first prizes in Senior state Aquatics championship and set a new record in 200 mts Butterfly stroke.
2. Sibin Joseph I DC History won second prize in 100 mts. Back Stroke and 200 mts. Back Stroke (Senior state Aquatics Championship)
3. Nandu S. III Sociology is Senior state water polo Runner – up
4. Anshad I DC History won Second in 200 mts. breaststroke in Senior state Aquatics championship and second in 100 mts. and 200 mts in Inter Collegiate Aquatics championship
5. Nisha S. III DC History won first in 100 mts. Backstroke and 200 mts. Backstroke in Kerala University intercollegiate Aquatics Championship and she is the 4 X 100 mts Gold medalist in the All India inter University Aquatics championship. She won Second in 100 mts. Butterfly stroke and 200 mts. Butterfly in All India inter University Aquatics championship
6. Rejitha S.R. II Economics, Neethu B.R. I DC History, Rohini A.R. I DC History Saranya R.C. I DC English won several prizes in Kerala University intercollegiate Aquatics championship and All India interuniversity Aquatics championship.

Boxing

1. Rohith V.C. I DC Psychology and Rejin C.V. I DC Economics represented Kerala University at the All India inter university Boxing championship.

Kho – Kho

1. Aji M.S. II DC Politics represented Kerala University at the All India inter university Kho – kho championship

Cycling (Men)

1. Afilash Mohan II B.Com. is the Cycling National Bronze Medallist, Inter collegiate cycling champion and the Inter University cycling bronze medallist in massed stint.
2. Ajesh Mohan II DC Economics is the 3000 mts. Sprint event I place winner in inter collegiate cycling championship and the Bronze medallist in the All India inter university championship
3. Vineesh S.R. III B.Com. is the National Bronze Medallist in 3000 mts. Team pursuit and won I Place in Intercollegiate cycling 3000 mts team pursuit
4. Reshmi B.R. III DC History is the National cycling championship Gold Medallist and won Kerala University cycling I Place in Point Race. She is the All India inter University Silver medallist in point Race.

Athletics (Men)

1. Dileep K.N. II Economics is First in Long Jump in the Senior State Athletic meet and South Zone Nationals. He also secured First in Long Jump in All India

Inter University Athletic Meet held at Bangalore. He is Kerala University Inter Collegiate Athletic Champion.

2. Siva Prasad R. is Second in 800 mts. in the Junior state Athletic meet
3. Mubarak A. I B.Com. is the First Place winner in octathlon(National Record) in Junior National Athletics.
4. Shameer T.A. I BA Economics, II place in 200 m and triple jump in the All India Inter University Athletic Meet held at Bangalore.

Athletics (Women)

1. Raji C.T. I DC Psychology won First in 200 mts. 100 mts. Hurdles in the Junior state Athletic meet. She is the women athletic champion in the Kerala University Inter Collegiate Athletic Champion.
2. Greeshma S.G. II DC English is First in Shot-put in Junior state Athletics.
3. Rohini S.R III Place 4X100 m Free style relay .
4. Remya S. I DC Politics, National Second Taekondo competition.

NATIONAL SERVICE SCHEME

The National Service Scheme units of Sree Narayana College has three units. Principal constituted the NSS College level Advisory Committee for the year 2006-07. Mr. C.S. Ajikumar, Sri. A.Shaji, and Dr. S.S.Laiju, are the Programme Officers. This year more than 150 new volunteers enrolled in the NSS units.

The major programmes implemented during the year 2006-07 were the following:

(1) Entrepreneurship Awareness Programme- The programme was implemented on 12th July 2006 and lasted till the 14th of July. Experts and resource persons from within and outside the college were invited for handling the classes. In this programme 22 Volunteers participated. The participants widely acclaimed the programme and suggested the implementation of the similar programmes in future.

(2) Blood Grouping and Blood Donation Awareness Camp- A camp was conducted on 21-7-2006, in association with The Sree Chitra Medical Sciences & Technology and The Junior Medicos of Medical College, Thiruvananthapuram. Several experts from the medical field motivated the Volunteers for voluntary blood donation. Some students donated their blood.

(3) Onam Celebration- As in the case of the previous years the National Service units of the college celebrated the Onam festival 2006. The units actively participated in the food festival arranged in the college. As part of its social commitment the N.S.S units collected a small contribution from the staff and students of the college to give it to the After Care Home, Chakka for the Onam Feast of the poor inmates.

(4) Special work at Sree Narayana Gurukulam- A Special Work for cleaning was organised at Sree Narayana Gurukulam Chempazhanthy on 1-9-2006.

(5) Legal Literacy Programme- The N.S.S units organised a Legal Literacy Programme for Second Year Degree Students on 13-09-2006 the classes being handled by legal experts.

(6) Workshop on Poster Designing- The N.S.S units of the college organised a Workshop on Poster Designing on Water Conservation and Cleanliness on 15-9-2006 as part of the Intra City Initiative Programme. Volunteers from various colleges participated in the programme.

(7) Special work at Government L.P.S, Manakkal, Chempazhanthy- A special work for cleaning the school was conducted on 5-10-2006 at Government school, Manakkal.

(8) Campus cleaning A regular work for cleaning the campus was organised on 1-11-2006. In this work 26 volunteers actively participated. The surroundings of the college canteen was cleared and a pit was constructed to dump the wastes.

- (9) NSS units welcomed the Kalajadha organized by the Kerala Sasthra Sahitya Parishat on Monday the 17th of November 2006.
- (10) Clean Campus Programme-The National Service Scheme units of the college started an intensive programme of Clean Campus with the help and co-operation of the Nature Club and P.T.A. The campaign began with a meeting held on 23 November 2006. Dr.L.Thulaseedharan, the Co-Ordinator, NSS, Vocational Higher Secondary Education was the chief guest. Prizes were distributed to two volunteers who succeeded in the Legal Literacy Quiz Competition held in the college. A quiz programme was conducted for the N.S.S Volunteers titled Kerala Quiz on the afternoon of 23-11-2006
- (11) Fixing of two boards exhorting the importance of Clean Campus Programme-For giving a fillip to the idea of Clean Campus two boards were fixed in the cardinal points of the college campus. One board contained the writing "LITTER/PLASTIC FREE CAMPUS" and the other board contained the writing "A BREATH OF FRESH AIR...GREEN CAMPUS,CLEAN CAMPUS".
- (12) A poster exhibition on HIV/AIDS was conducted in the college campus on 1st December 2006 i.e. on the WORLD AIDS DAY. Materials for the exhibition were collected from the Aids Control Society.
- (13) Meeting of the Gandhi Peace Foundation-A grand meeting organised by the National Service Scheme, S.N.College,Chempazhanthy and the Gandhi Peace Foundation was held in the college Seminar Hall on 19-1-2007. Sri.P.Gopinathan Nair, Chairman, Gandhi Peace Foundation, Kerala has presented a paper on the relevance of Gandhism in the contemporary society.
- (14) Another meeting was also arranged by the National Service Scheme units of S.N.College, Chempazhanthy with the help of Gandhi Peace Foundation on 6-2-2007. The main theme of the meeting was "The Role of Gandhi and Sree Narayana Guru in the Social Transformation of Kerala". Sri. P.Gopinathan Nair, Chairman, Gandhi Peace Foundation, Kerala, Sri M.R.Yasodharan, Faculty member, Sree Narayana Dharma Sangham Trust, Sivagiri, Varkala delivered talks.

OUTSIDE PROGRAMMES

- (1) **Blood Donor Day Celebration**-Sree Chitra Tirunal Institute For Medical Sciences And Technology, Thiruvananthapuram conducted The World Blood Donor Day Celebration on 14-6-2006. In this programme the Programme officer of the N.S.S participated and received felicitations for the humanitarian service rendered by the units of the college.
- (2) **Award function of the NSS Cell and Themo Penpol**-The NSS units of the college was awarded the prizes for voluntary blood donation by the Thermo Penpol at Vyloppalli Samskrithy Bhavan on 14-6-2006 by Dr.M.K.Ramachandran Nair, Hon'ble Vice-Chancellor, University of Kerala.
- (3) **Cleaning Programme in the Pinathottukonam**-A large scale cleaning programme was arranged in a pond at Pinathottukonam, Perur Ward, Sreekariam Panchayat on 15-10-2006. 50 volunteers participated in the cleaning programme which was a full success.
- (4) **Cleaning at Kariavattom Residential Association Area**- As per the request of the Secretary of Kariavattom Residential Association 30 Volunteers participated in the cleaning process of the Kariavattom Residential Association Area on 16-6-2006.
- (5) **Awareness Class against Chickenguniya**-As per the circular dated 6-10-2006, issued by the Co-Ordinator, N.S.S, University of Kerala large-scale awareness class were conducted in the adopted villages and among the public in the locality of the college against the danger of the disease-Chikengunia. In the interactive programme arranged in various places of the adopted village
- (6) **Formation of Adolescent Clubs**-As part of the community service the N.S.S units took initiative to form Adolescent Clubs. Two such clubs were formed, one at Chempazhanthy and

another at Kariavattom. The trained volunteers and Programme officers took several classes to the children between the age groups of 10 and 15.

(7) **National Blood Donation Day**-10 Volunteers participated in the National Blood Donation Day Celebration conducted jointly by the National Service Scheme, University of Kerala and Termo Penpol on 30th September 2006 in the University Senate Hall, Thiruvananthapuram.

(8) Cleaning work in the Government L.P.S Manakkal-As per the request of the Head Mistress of Government L.P.S Manakkal 30 Volunteers participated in the cleaning programme in the school which received wide acclaim.

(9) Participation of Volunteers in the Gandhijayanthi Sevanavaram-2 Volunteers participated in the inauguration ceremony of the Gandhijayanthi Sevanavaram programme arranged in the Gandhi Park, East Fort on 2 October 2006.

(10) Participation of Volunteers in the NSS Special Camp of the University-As per the circular of the Programme Co-ordinator, University of Kerala ten volunteers were deputed to attend the NSS Youth Camp from 11-10-2006 to 15-10-2006.

(11) Participation of Volunteers in the intra city programme of University College-As per the request of the Programme Officer, University College, Thiruvananthapuram four volunteers were deputed to participate in the Intra city programme of the University college, Thiruvananthapuram.

(12) Participation of lady volunteers in the Intra city programme –Three lady volunteers participated in the talk on “Pre-Marriage Counseling” organised by the N.S.S unit of N.S.S college Karamana on 9-11-2006

(13) **Adolescent Club in the adopted village**-An Adolescent Club was formed in the adopted village Chariyattukulam. A meeting was convened in the Anganawady of the place.

(14) Permitting volunteers to attend Pre-R D C Camp selection-Ten volunteers attended in the Pre-RDC Selection campaign held at the Bishop Moor college Mavelikkara on 7-11-2006:

(15) Preparation of a Surveillance Team-Under the initiative of the Programme Officer of NSS Sri.A.Shaji a Surveillance Team was formed which comprised of a few dedicated volunteers to prevent the dumping of Chicken wastes in Venchavode, two kilometers away from Chempazhanthy. The programme proved to be very successful because by realizing the seriousness of the move the persons stopped this practice very soon.

(16) **Nature Camp at Peppara**- The N.S.S units of the college arranged a Nature Camp Tour at Peppara. In this programme two Programme Officers and fifty five volunteers participated.

(17) **Inter-Collegiate Law Quiz**-National Service Scheme unit of Government Law College, Thiruvananthapuram has conducted an Inter-collegiate Law Quiz competition on 2nd December 2006. The quiz was based on the topic “Administrative Development in Kerala during the last 50 years”. The NSS unit of the college sent two volunteers to participate in the quiz programme and won the second prize in the competition. The volunteers who won the prizes were (1) Rajesh.R Second D.C Political Science and (2) Umesh.B Second D.C Physics.

Retirement

Seven of our senior colleagues are retiring from service at the end of the academic year after a long spell of sincere and dedicated service. They are

Dr. G. Raveendran, HOD Chemistry

Dr. K.B. Thankamani, HOD Sociology

Dr. P.T. Kurien, HOD, Psychology

Mr. K.P. Ravidas, HOD Economics

Mrs. P. Valsala kumari, Dept of Political Science

Sri. K. Sahodharan, Dept of English

Smt. Valsa Vasukutty, Dept of English

I take this opportunity to extend my sincere thanks to them for their meritorious service and to wish them a peaceful and prosperous post-service life.

CONCLUSION

The UGC has sanctioned a total of Rs.1 crore for the construction of a Women's hostel under X plan of UGC this year. Nearly six lakhs of rupees has been granted by UGC as UG and PG assistance during the current year. Apart from this 8 of our teachers were granted Minor Research Project amounting to about 6 lakhs. The Department of Chemistry of our college has applied for a grant of Rs.1 crore from the Department of Science and Technology, New Delhi under the scheme FIST for improvement of infra structure of science and technology and finalized an application for another grant of Rs.30 lakhs seeking from Kerala State Science & Technology Department.

Even though there have been a great deal of activities and achievements to pride in, there have been some deficiencies, defects and pit falls. All the activities scheduled in the Academic Calendar could not be executed in the prescribed time. These drawbacks were the result of our insistence on not losing too much of teaching hours.

However, considering the overall performance of the college in various aspects of its functioning, the academic year 2006-2007 stands much above the preceding ones. In academic out put, our students have made results very much higher than the University average and previous years' results. Thanks to the sense of unity and duty, devotion and loyalty to the institution, shown by each member of the staff, we could lead our college to one of the premier academic institutions in South Kerala.

The service rendered by a few teachers deserves special mention. UG and PG level admissions of this year were computerised and systematically completed from the first list itself in many departments, letting in only meritorious candidates. University examinations- both annual and supplementary, and terminal and model examinations were conducted carefully without giving opportunity for complaints. Both the admissions and examinations are conducted smoothly and perfectly, thanks to the devoted service of Sri. C.S. Ajikumar, Lect. Sl.Gr. Physics, who renders admirable assistance to the Principal.

Despite staff shortage, the college office could clear arrears including DA, Placement, increment, incentive and strike regularisation accrued for several years. Clearance of all pending arrears will be materialised shortly. This year our college went on net, acquiring a web site, www.sncollegechempazhanthy.org. This website, covering all aspects of our college and related fields, is a long cherished dream comes true. All these achievements are the direct result of the devoted service and perseverance of Sri. T.N. Manoharan.

I would like to place on record the sincere efforts of the Academic Committee Convener, Dr. I.G. Shibi for the meticulous execution of the overall academic programmes.

The pragmatic vision, careful execution of programmes and vigilance in dealing with PTA funds manifest by the Secretary, PTA, Dr. T.Suresh are very much instrumental in ensuring the overall achievements and successful activities of the college this year. Any amount of thanks to him will not be insufficient.

One of the innovative programmes which is a speciality of our college is the activity of the music club which has entrusted in the production of a beautiful musical album. After a lapse of several years, this year we could form a good team artists from among students and teachers for which college owes mainly to Sri. R. Balachandran Nair.

The members of the Department of Physical Education especially, Sri. Biju S.S deserves a grand recognition for lifting our college to the heights of the best performing college for three consecutive years in Sports & Games.

The Principal appreciates all the endeavors of each member of the staff, both teaching and non-teaching, for their contribution to the elevation of our college to the present high status we enjoy.

The grace of our patron saint Sree Narayana Guru will lead us further to excellence, I am quiet sure. Thank you.

**Chempazhanthy,
22-03-2007**

**Prof. V.S. LEE
PRINCIPAL**