

THE ANNUAL QUALITY ASSURANCE REPORT (AQAR) OF THE IQAC

Name of the Institution: Dr.M.G.R Educational and Research Institute,
(Deemed University Decl u/s 3 of UGC Act 1956)

Date of Report: (June 2007 – June 2008)

Part - A

The NAAC Peer Team visited the institution and certification issued on Jan 2007. The Internal Quality Assessment cell was constituted thereafter as per the directives of the NAAC with the following composition, on the 15th Feb 2007.

The committee constituted in Feb 2008 continued to control the quality initiatives. The following were the initial members of the committee, as on Feb 2008.

Chairperson: Dr. G. Gopalakrishnan Vice-Chancellor.

Faculty : Prof. Mr.V.Cyril Raj, Head, Dept. of Computer Science Engineering
Prof. Dr.S.Ravi, Head, Dept. of Electronic & Communication Engineering
Prof. Mr.M.Ganesan, Head, Dept. of Mechanical Engineering
Prof. Mr.L.Ramesh, Head, Dept. of Electrical & Electronic Engineering
Prof. Mr.R.Ramasamy, Head, Dept. of Electronic & Instrumentation Engineering
Prof. Mr.S.Arivalagan, Head, Dept. of Civil Engineering
Prof.Dr.RamaVaidhyanathan, Head, Dept of Industrial Biotechnology Engineering
Prof. Dr.Ramalingam, Head, Dept. of Management Studies
Prof. Mrs.Uma Rajaram, Dean, Engg & Tech, as coordinator IQAC

Senior Administrative Official:

Dr. S. Dinakaran, Registrar

External Experts:

1. Quality Management: Dr. Aswin Ravi, Prof. of Management,
D. G. Vaishnav College, Chennai.
2. Industry: Dr. Sivarama Krishna Sastry, CEO Allied
Electronics
3. Local Community: Mr. G. Dhananjayan, Chief Manager (Indian
Bank)

Director / Coordinator of IQAC: Prof. Uma Rajaram

NAAC / IQAC – NOMINATIONS

1. ACADEMIC PROGRAMMES COMMITTEE

S.NO	NAME	DESIGNATION	DEPARTMENT	FUNCTIONAL DESIGNATION
1	Dr. G. GOPALA KRISHNAN	VICE CHANCELLOR	MECHANICAL	CHAIRMAN
2	Dr. V. CYRIL RAJ	PROFESSOR	CSE	MEMBER
3	Dr. S. ARIVALAGAN	PROFESSOR	CIVIL	MEMBER
4	Mr. L. RAMESH	AP	EEE	MEMBER
5	Mr. R. RAMASAMY	PROFESSOR	E&I	MEMBER
6	Dr. RAMA VAIDHYA NATHAN	PROFESSOR	IBT	MEMBER
7	Dr. S. RAVI	PROFESSOR	ECE	MEMBER
8	Mr. M. GANESAN	PROFESSOR	MECHANICAL	MEMBER
9	Dr. RAMALINGAM	PROFESSOR	MBA	MEMBER
10	Mr. N. PADMANABHAN	PROFESSOR	CHEMICAL	MEMBER
11	Dr. VASUDEVAN	PRINCIPAL	DENTAL COLLEGE	MEMBER
12	S. REVANTH KUMAR		MECHANICAL	STUDENT REPRESENTATIVE
13	K. SUSHMITH REDDY		ECE	STUDENT REPRESENTATIVE
14	L. SENTHIL KUMAR		MBA	STUDENT REPRESENTATIVE
15	S.R. SIKINDAR BABU		MCA	STUDENT REPRESENTATIVE

2. TEACHING AND EVALUATION PROGRAMMES

S.NO	NAME	DESIGNATION	DEPARTMENT	FUNCTIONAL DESIGNATION
1	Dr. G. GOPALA KRISHNAN	VICE CHANCELLOR	MECHANICAL	CHAIRMAN
2	Dr. ARAVINDAN	DEAN RESEARCH	MECHANICAL	MEMBER
3	Dr. S. PADMASANI KANNAN	PROFESSOR	ENGLISH	MEMBER
4	Mr. L. RAMESH	AP	EEE	MEMBER
5	Mrs. E. SHEEBA PERCIS	AP	EEE	MEMBER
6	Dr. SIVAKESAN	CONTROLLER OF EXAMINATIONS	COE	MEMBER
7	Mr. N. ETHIRAJ	Joint. CONTROLLER OF EXAMINATIONS	COE	MEMBER
8	V. CLEMENT		ECE	STUDENT REPRESENTATIVE
9	BHASKAR JYOTI BORAH		MECHANICAL	STUDENT REPRESENTATIVE

3. CO-CURRICULAR PROGRAMMES

S.NO	NAME	DESIGNATION	DEPARTMENT	FUNCTIONAL DESIGNATION
1	Dr. G. GOPALA KRISHNAN	VICE CHANCELLOR	MECHANICAL	CHAIRMAN
2	Dr. S. VAIRAMANI	DIRECTOR	PHYSICAL DIRECTOR	MEMBER
3	Mr. R. KALAIANAN	AP	CIVIL	MEMBER
4	Mr. VIJAYAKUMAR	AP	MBA	MEMBER
5	Dr. RAMA VAIDYANATHAN	PROFESSOR	HOD / IBT	MEMBER
6	Mr. MANOJ BABU	AP	MECHANICAL	MEMBER
7	AKANKSHA SOOD		IBT	STUDENT REPRESENTATIVE
8	K. HEMACHANDRAN		CIVIL	STUDENT REPRESENTATIVE
9	T.V.X. NIROSHANTH		IT	STUDENT REPRESENTATIVE
10	KUMAR VIMAL		CSE	STUDENT REPRESENTATIVE
11	M. LAKSHMI PRIYA		CSE	STUDENT REPRESENTATIVE

4. RESEARCH PROGRAMMES

S.NO	NAME	DESIGNATION	DEPARTMENT	FUNCTIONAL DESIGNATION
1	Dr. G. GOPALA KRISHNAN	VICE CHANCELLOR	MECHANICAL	CHAIRMAN
2	Dr. P. ARAVINDAN	DEAN (R&D)	MECHANICAL	MEMBER
3	Mr. V.N. RAJAVARMAN	AP	IT(Research Scholar)	MEMBER
4	Mr. T.V. ANANTHAN	AP	CSE(Research Scholar)	MEMBER

5. EXTENSION PROGRAMMES

S.NO	NAME	DESIGNATION	DEPARTMENT	FUNCTIONAL DESIGNATION
1	Dr. G. GOPALA KRISHNAN	VICE CHANCELLOR	MECHANICAL	CHAIRMAN
2	Mr. P.S. RAJAKUMAR	AP	IT	MEMBER
3	Mrs. S. GEETHA	AP	CSE	MEMBER
4	Mr. G. SREERAM	AP	CSE	MEMBER
5	Dr. RAMA VAIDYANATHAN	PROFESSOR	HOD / IBT	MEMBER
6	V. CLEMENT		ECE	STUDENT REPRESENTATIVE
7	D. HARI PRASAD		CIVIL	STUDENT REPRESENTATIVE
8	PRINCE KUMAR		IT	STUDENT REPRESENTATIVE
9	PURBA SAHA		ECE	STUDENT REPRESENTATIVE
10	PRIYA KUMARI		EEE	STUDENT REPRESENTATIVE

6. EFFECTIVE GOVERNANCE CELL

S.NO	NAME	DESIGNATION	DEPARTMENT	FUNCTIONAL DESIGNATION
1	Dr. G. GOPALA KRISHNAN	VICE CHANCELLOR	MECHANICAL	CHAIRMAN
2	Dr. G.C. KOTHANDAN	EXECUTIVE DIRECTOR	MBA	MEMBER
3	Mr. RAGHUVeer	AUDITOR	FINANCE	MEMBER
4	Dr. P. KALIAPERUMAL	DEAN	MBA	MEMBER
5	Mr. GURUNATHAN	ESTATE OFFICER		MEMBER
6	Dr. S. DINAKARAN	REGISTRAR		MEMBER
7	A. SUKANYA		MBA	STUDENT REPRESENTATIVE
8	SANALA KARUNAKAR		MCA	STUDENT REPRESENTATIVE

7. INFRASTRUCTURE DEVELOPMENT CELL

S.NO	NAME	DESIGNATION	DEPARTMENT	FUNCTIONAL DESIGNATION
1	Dr. G. GOPALA KRISHNAN	VICE CHANCELLOR	MECHANICAL	CHAIRMAN
2	Mr. EDWIN D. THANGAM	AP	CIVIL	MEMBER
3	Mr. MALLIKARJUNA REDDY	AP	CIVIL	MEMBER
4	Mr. A. IYEM PERUMAL	AP	MATHEMATICS	MEMBER

5	Mr. A.K. DASARATHY	AP	CIVIL	MEMBER
6	Mr. PRAVEEN JEYASINGH	PURCHASE COORDINATOR	PURCHASE OFFICE	MEMBER
7	D. HARI PRASAD		CIVIL	STUDENT REPRESENTATIVE
8	SATISH KANT		E&I	STUDENT REPRESENTATIVE
9	NAVIN KUMAR		CHEMICAL	STUDENT REPRESENTATIVE

8. MANAGEMENT INFORMATION SYSTEM

S.NO	NAME	DESIGNATION	DEPARTMENT	FUNCTIONAL DESIGNATION
1	Dr. G. GOPALA KRISHNAN	VICE CHANCELLOR	MECHANICAL	CHAIRMAN
2	Dr. S. RAMALINGAM	PROFESSOR	HOD / MBA	MEMBER
3	Dr. P. KALIAPERUMAL	DEAN	MBA	MEMBER
4	Dr. C.B. PALANIVELU	Addl. REGISTRAR	MECHANICAL	MEMBER
5	Mr. V. CYRIL RAJ	PROFESSOR	HOD / CSE	MEMBER
6	J. KEERTHI HARAN		CSE	STUDENT REPRESENTATIVE
7	SWETA SIN		E&I	STUDENT REPRESENTATIVE
8	KAVITHA MADAN GOPAL		CHEMICAL	STUDENT REPRESENTATIVE
9	PREM KANT		EEE	STUDENT REPRESENTATIVE

9. GYMKHANA

S.NO	NAME	DESIGNATION	DEPARTMENT	FUNCTIONAL DESIGNATION
1	Dr. G. GOPALA KRISHNAN	VICE CHANCELLOR	MECHANICAL	CHAIRMAN
2	Dr. S. VAIRAMANI	DIRECTOR	PHYSICAL DIRECTOR	MEMBER

3	Dr. K. SANKARAN	PROFESSOR	PHYSICAL DIRECTOR	MEMBER
4	Mr. R. KALAI GNAN	AP	CIVIL	MEMBER
5	Mr. M. VIJAYAKUMAR	AP	MBA	MEMBER

10. LIBRARY

SL.NO	NAME	DESIGNATION	DEPARTMENT	FUNCTIONAL DESIGNATION
1	Dr. G. GOPALA KRISHNAN	VICE CHANCELLOR	MECHANICAL	CHAIRMAN
2	Mr. RAJAN BABU	LIBRARIAN	LIBRARY	MEMBER
3	Mr. V. CYRIL RAJ	PROFESSOR	HOD / CSE	MEMBER
4	Mr. RAJESH	SYSTEM ADMINISTRATOR	CSE	MEMBER
5	A. SUKANYA		MBA	STUDENT REPRESENTATIVE
6	SANALA KARUNAKAR		MCA	STUDENT REPRESENTATIVE
7	KAVITHA MADAN GOPAL		CHEMICAL	STUDENT REPRESENTATIVE
8	PURBA SAHA		ECE	STUDENT REPRESENTATIVE
9	PREM KANT		EEE	STUDENT REPRESENTATIVE

The plan of action chalked out by the IQAC in the beginning of the year aimed at improved innovations in the field of academics and infrastructural development of the institution under the following criteria:

1. Important point in teaching & learning process is updating technical data relevant to the subject by faculty.
2. Books on every topic relevant to the syllabus/Reference books should be added to get more information on relevant topics.
3. Assignments may be given which can be done with the aid of books.
4. New Text books and Reference books which were previously not available were purchased for Rs.50,00,000 and the various Department Libraries were updated.
5. Faculty who desire to take up Higher Studies will be supported by the Management in terms of Finance and moral support.
6. Teaching Aids are provided to the Faculty.

7. LCD Projectors are provided to all the Departments.
8. Feedbacks on the teaching faculty are obtained from the students with the help of feedback form. Feedback forms may be revised.
9. Students are encouraged not only for outstanding exam results but also for their excellence in practical work, Interaction with faculty regarding subject, Assignments, etc.
10. Automation of library books using Boan software sustained.
11. The new books were classified, accessed and sorted in the central library.
12. Subscription of E-journals for Rs.6,29,210.
13. The national and international journals were subscribed.
14. Browsing internet was implemented in the central library.
15. Access of e-journal and e-books in the library came into effect for staff and students.
16. Automation process completed.
17. The central library was totally shifted to 3rd floor in VOC Block.
18. Browsing internet was implemented in the central library.
19. Regular newsletters/wall magazines by all departments and publication of journals by more departments.
20. Infrastructure Modification –
 - i. The list of total no of students received from admission office is presented to the members.
 - ii. New construction of block is suggested and old blocks are not sufficient for accomodating students in coming year.
 - iii. Tentative class room requirement is arrived, class room arrangements were made.
 - iv. Based on suggestion given by VC, class rooms are accommodated near to respective departments.
 - v. The list of class room arrangements is finalized and sent to the Dean E&T for circulating to the departments.
21. Equipment for all the laboratories was purchased as per the syllabus requirement.
22. Technology upgradation is done in different laboratories by purchasing latest EDA tools for simulation and testing.
23. Seminars to be held in all departments on a regular basis, following a schedule.

Part – B

1. Activities reflecting the goals and objectives of the institution:

VISION

To provide for contemporary knowledge delivery of Global Standards, Excellence in Knowledge Creation in emerging areas and mutually Rewarding University – Societal Interaction

MISSION

Our Mission is to make the Institution as a resource centre for higher level teaching – learning process, in the fields of Engineering and Medicine, so as to impart relevant training and education to the youth to make them technically qualified, practically competent and skilled human resources, to suit the needs and demands of the modern industries or business or research and development organizations, besides promoting ethical values and encouraging creative ideas among the younger generation, and thereby to develop their entrepreneurial skills which will ultimately benefit the Society and Nation

“Our Students are to be Job Creators and not Job Seekers”

QUALITY POLICY

Constantly Strive to Achieve Academic Excellence and Provide Conducive Environment to Students through Knowledge Inputs, Practice and Industrial Interaction to Face Future Challenges in Technology. The Faculty by Virtue of Research and Industrial Interaction will Enlighten Students to serve better the Society at large

The programmes of the institution are consistent with its goals and objectives.

The institution has a wide range of programme offerings that provide adequate academic flexibility.

The institution practices sustainable curricular practices, to achieve academic excellence.

The institution has sustainable practices in teaching-learning and evaluation, which have the greatest impact on performance, leading to successful end result in Teaching, Learning and Evaluation.

2. New Academic Programmes Initiated (UG and PG):

M. Tech. - Design Engineering

M.Tech. - Structural Engineering
M.Tech. - Environmental Engineering
M.Tech. - Bio-Technology
M.Tech. - Energy Engineering
M.Tech. - VLSI Desing & Embedded System
M.Tech. - Petroleum Refining & Refinery Chemicals.
B.Sc. - Hotel Management & Catering Technology
M.Sc. - IT
B.Ed

3. Innovations in curricular design and transaction:

- ❖ The Curriculum and Syllabi for all the courses (CSE/IT, ECE, EEE, E&I, MECH, CIVIL, IBT, CHEMICAL, MCA, MBA) were revised which was approved by respective Boards of Studies.
- ❖ Dr. Cyril Raj, HOD of CSE moved another resolution for introduction of soft skills – I in the IV Semester and Soft Skills – II in the V Semester as Audit Courses without Credit.
- ❖ Prof. M. Ganesan, HOD of Mechanical Engineering moved the resolution for the approval of Revised Syllabus and Curriculum for M.Tech. Design Engineering
- ❖ It was decided to revise the rules and regulations of the Ph.D. degree such that the external research scholars should do a six month compulsory course work at the University campus.

4. Inter-disciplinary programmes started:

M. Tech. Bio-Technology

5. Examination Reforms Implemented:

Credit system is followed for all UG and PG courses. Exam Pattern schedule is announced a month earlier and the flying squad constituted to go for surprise supervision in the exam Halls to prevent malpractices.

Double valuation is done for PG answer scripts. External examiners from outside Chennai City are setting the question papers for all UG papers and the valuation in purely external. Ph.D course works are valued as a PG paper. Revaluation for UG courses are done within 10days of publication of results. Grade Sheets are issued within 10days of publication. For Ph.D thesis evaluation, University has a panel of Indian and Foreign Examiners and the thesis is evaluated by one Foreign Examiner and one Indian Examiner. Indian Examiner happens to be the examiner for Viva Voce, as per the procedures followed by our codes. During

examinations, poster display of punishment for Malpractices and Dos & Dents are exhibited. First page of the examination answer booklet is an OMR sheet which is used for awarding / recording marks for the answers? Dummy numbers are randomly generated by computer for crypting the answer sheets.

6. Initiative towards faculty development programmes:

Faculty Development Programmes were conducted by different departments of Engineering as mentioned below. The Dean (E&T) conducted a FDP on Teaching Methodology for the new recruits of the University, during the period May/June 2007 to July 2008.

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

- ❖ FORMAL METHODS IN SOFTWARE DEVELOPMENT

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

- ❖ MATLAB & SIMULINK

DEPARTMENT OF MASTER OF COMPUTER APPLICATION

- ❖ IBM ACADEMIC ALLIANCE
- ❖ TECHNICAL TEACHERS TRAINING PROGRAM

7. Total no. of Seminars or Workshops Conducted: (2007 – 2008)

Workshop : 06
Seminars : 10

8. Research grants received from various agencies:

Project Completed (Electrical & Electronics Engineering)

Agency : AICTE
Project Title : Dry Type Transformer

Project Completed (Electronic & Instrumentation Engineering)

Agency : AICTE R&D
Project Title : An Ideal Microwave Based Leather Classification

Project Received (Industrial Bio-Technology)

Agency : CSIR

Project Title : Molecular Characterization of Bacterial Multi-Drug Resistance gene in clinical isolates of Klebsiella pneumonia and identification of plant based antimicrobials.

Project Received (Electronic & Instrumentation Engineering)

Agency : UGC

Project Title : Stimulated & therapeutic effects of Solanum Indium Incorporated collagen matrix for diabetic wounds.

9. Details of Research Scholars:

Details of the Research Scholars registered in 2007-2008 as on given below:

S.NO.	DEPARTMENTS	REGISTERED
1.	Computer Science & Engineering	03
2.	Information Technology	00
3.	Electronics & Communication Engineering	01
4.	Electrical & Electronics Engineering	02
5.	Instrumentation & Control Engineering	00
6.	Mechanical Engineering	01
7.	Civil Engineering	01
8.	Chemical Engineering	00
9.	Industrial Biotechnology	04
10.	Master of Computer Applications	03
11.	Management Studies	03
12.	Humanities and Sciences	01
TOTAL		19

11. Citation index of faculty members and impact factor:

A large no. of Research Papers has been published thro' Conference, Seminars & Journals, Impact factor with respect to this paper, have also been provided along the paper titles.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

- ❖ Saravanan, M. Ravi, S. Presented a paper on "On Chip Code Tracking for Multi-

- Carrier Multiple Access System”, International Conference on Advances in Electronics and Communications (icon ADELCO 2007), at National Engineering College, Kovilpatti, Tamilnadu, India, on 1-3rd February 2007, ISBN 978-81-904334-0-2, pp. 623-630.
- ❖ Saravanan, M. Ravi, S. “SDR Based Multiple Access Technique for Multi-Media Applications”, International Symposium on Communication and Information Technologies (ISCIT 2007), University of Wollongong, Wollongong, Sydney, Australia, pp. 491-494, 2007
 - ❖ Saravanan, M. Ravi, S. “Software Radio Technology in FH/MC DS-CCDMA Communication System”, IET- UK International Conference on Information and Communication Technology in Electrical Sciences (ICTES 2007), Dr.M.G.R. Educational and Research Institute, Chennai, pp. 762- 765, 2007.
 - ❖ Sivanandam, M. Ravi, S. “Reliability Analysis of EPC in TWTA for Communication Satellites”, International Conference on Trends in Intelligent Electronic Systems, IGCAR, Kalpakkam, TIES -12-14, November 2007.
 - ❖ Kalivaraprasad, B. Ravi, S. “Test Scheduling Scheme for Core Based SoC’s”, International Conference on Systemics and Cybernetics, Hyderabad, ICSCI –03-07, Jan 2007.
 - ❖ Varghese, A. “EC1253-Electromagnetic Fields”, Prathyusha Institute of Technology and Management, on 12th to 24th November 2007.
 - ❖ M.Sivanandam and S.Ravi, “Reliability of Helix TWT in Communication satellites”, National conference on trends in communication 2008 – NCTC’08, 8th and 9th Feb. 2008.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

- ❖ Saravanan, M. Ravi, S. Presented a paper on “On Chip Code Tracking for Multi-Carrier Multiple Access System”, International Conference on Advances in Electronics and Communications (icon ADELCO 2007), at National Engineering College, Kovilpatti, Tamilnadu, India, on 1-3rd February 2007, ISBN 978-81-904334-0-2, pp. 623-630.
- ❖ Saravanan, M. Ravi, S. “SDR Based Multiple Access Technique for Multi-Media Applications”, International Symposium on Communication and Information Technologies (ISCIT 2007), University of Wollongong, Wollongong, Sydney, Australia, pp. 491-494, 2007
- ❖ Saravanan, M. Ravi, S. “Software Radio Technology in FH/MC DS-CCDMA Communication System”, IET- UK International Conference on Information and Communication Technology in Electrical Sciences (ICTES 2007), Dr.M.G.R. Educational and Research Institute, Chennai, pp. 762- 765, 2007.

- ❖ Sivanandam, M. Ravi, S. “Reliability Analysis of EPC in TWTA for Communication Satellites”, International Conference on Trends in Intelligent Electronic Systems, IGCAR, Kalpakam, TIES -12-14, November 2007.
- ❖ Kalivaraprasad, B. Ravi, S. “Test Scheduling Scheme for Core Based SoC’s”, International Conference on Systemics and Cybernetics, Hyderabad, ICSCI –03-07, Jan 2007.
- ❖ Varghese, A. “EC1253-Electromagnetic Fields”, Prathyusha Institute of Technology and Management, on 12th to 24th November 2007.
- ❖ Cyril Raj, V. “PH Homeostasis and Cell Signalling Pathway Reflected in Capacitance Relaxation Phenomena”, Journal of Medical Engg & Informatics, ISSN : 1755 – 0653, Vol.1, No.1, pp.85-90, 2008, **I.F = 2.24**
- ❖ Ananthan, T.V. Nakkeeran, R. “Amelioration of BEBA in Distributed MAC Protocol to Bate the Power Frugality in Adhoc Network”, International Journal-IETECH, 2008, **I.F = 0.423**
- ❖ Cyril Raj.V “Data Mining of Capacitance Relaxation Phenomena in Classifying Breast Cancer Cell”, Bioinformatics & Computational Biology (BIOCOMP’08), 2008
- ❖ Ananthan, T.V, “Amelioration of Beba to Reduce the Waiting Time in WLAN 802.11”, Conference on Data Engg and Management, 2008
- ❖ Ramakrishnan, H.V. “Invited Technical Speech - Ph.D works”, Research Areas in Computer Science, 2008
- ❖ Ananthan, T.V, “Output Controlled Grant-based Round Robin for Improving Quality of Services in IP Networks”, Resent Trends in Advanced Computing, 2008
- ❖ Ramakrishnan, H.V. “Web Based Integrated Network Management – Case study”, Proc. Advanced Computing and Communication Technologies, 2008
- ❖ Ramakrishnan, H.V “GSM intelligent networks”, World Congress on Computer Science, Engineering and Technology, 2008
- ❖ Ramakrishnan, H.V. “IP Based Network Address Management”, Advanced Computing Technologies, 2008
- ❖ Ramakrishnan, H.V. “GSM Intelligent Networks”, International Conference and Symposium on Storage Technologies, NMAM Institute of Technology, 2008
- ❖ Shoba Rani, “Impact of Image Segmentation on Transforming Society, Transforming the Society”, Mother Teresa University Research & Extension Centre, Chennai, 2008
- ❖ Shoba Rani, “Texture Image Segmentation Using Gabor Filter & Artificial Neural Network ”, IEEE Conference on AI Tools in Engineering, 2008

- ❖ Geetha, S. “Sequence-based Localization in Wireless Sensor Networks”, Conference on Emerging Trends in Engineering Technology, 2008
- ❖ Sai Shanmuga Raj, “Analysis of Mobility and Link Stability on Multicast Adhoc Routing Protocols”, Emerging Trends in Engineering Technology, 2008

DEPARTMENT OF INFORMATION TECHNOLOGY

- ❖ Latha, S. Srivasta, S.K., “Topological Design of a K-connected Communication Network” International Journal of WSEAS Transactions on Communications, Vol.6, No.4, pp.657-662, 2007, **I.F. 0.7**
- ❖ Latha, S. Srivasta, S.K., “On Some Aspects of Design of Cheapest Survivable Networks”, International Journal of Computer Science and Network Security, ISSN: 1738 – 7906, Vol.7, No. 11, pp.210-211, 2007. **I.F. 1.400**
- ❖ Rajavarman, V.N. Rajagopalan, S.P. “Comparison between Traditional Data Mining Techniques and Entropy – based Adaptive Genetic Algorithm for Learning Classification Rules” – International Journal of Soft Computing 2 (4): 555-561 2007. **I.F. 0.52**
- ❖ Rajavarman V.N. Rajagopalan S.P. “Feature Selection in Data – Mining for Genetic Using GA” – Journal of Computer Science, 3 (9): ISSN 1549-3636, 723-725, and 2007. **I.F. 0.37**
- ❖ Rajavarman, V.N. Rajagopalan, S.P “Genetic Algorithms – An Overview”- Acta Ciencia Indica, ISSN: 0254 – 4156, Vol. XXXIII M, No.4, 1615, 2007. **I.F. 1.496**
- ❖ Latha, S. Srivasta, S.K., “Topological Design of a K-connected Communication Network”, Proceedings of the 6th WSEAS Int. Conf. on Electronics, Hardware, Wireless and Optical Communications, Corfu Island, Greece, pp.6-11, 2007
- ❖ Rajavarman, V.N. “Learning Classification Rules using Genetic Algorithm”, National Conference on Business Intelligence, In Enterprise Resource Planning On Bierp’ 07, Sree Sastha Institute of Engineering and Technology, Chennai, Proceedings, pp. 15, 2007
- ❖ Rajavarman V.N, “Effective Information Retrieval Using Genetic Programming”, - National Conference On Computational Intelligence, Bharath University Chennai, 2007
- ❖ Rajavarman V.N “Approximate Description Of Decision Classes In Data Mining Sets” -National Conference On Business Intelligence In Enterprise Resource Planning On Bierp ‘07, Sree Sastha Institute Of Engineering And Technology, Chennai , Proceedings, pp 20, 2007
- ❖ Rajavarman V.N “Localized Network Layer Protocol In Wireless Sensor Networks” - National Conference On Recent Issues In Network Galaxy , RMD Engineering College Chennai, 2007

- ❖ Kanya N. “Information Extraction- A Text Mining Approach” IET International Conference ICTES 2007 Dr.MGR Educational And Research Institute, 2007

DEPARTMENT OF CIVIL ENGINEERING

- ❖ Arivalagan, S. Kandasamy, S. “Experimental Study on Behaviour of Cold-Formed Steel Hollow and Concrete-Filled Steel Tubes”, Proceeding of the National Seminar on Fly ash Utilization Avenues in Civil Engineering (FAUACE’07), K.L.E, Society’s C.E. & Tech., Belgaum, India, 2007
- ❖ Arivalagan, S. Kandasamy, S. “Behaviour of Normal and Lightweight Square Concrete-Filled Steel Hollow Sections”, Proceeding of the National Conference on Recent Advances in Structural Engineering (NCRASE’07), GCE, Salem, India, pp. 58.2-58.7, 2007
- ❖ Arivalagan S. Kandasamy S. “Ultimate Moment Capacity of Fly Ash and Normal Concrete-Filled Steel Tubes”, Proceedings of the International Conference on Recent Developments in Structural Engineering (RDSE-2007), Manipal Institute of Technology, Manipal, India, No. 103, pp. 242, 2007
- ❖ Rakesh Kumar, Sharma, K.G. Varadarajan, A. “Strain-Softening Behaviour and Constitutive Modelling of Schist” Proc. ISRM, 2007
- ❖ Dharanirajan K., Pandian P.K., Gurugnanam B., Gowri V.S., Saranathan E., Narayanan RM. and Subbaraj L. Indian Journal of Geomorphology, “Study of Tsunami Impacts for South Andaman Islands (India) using RS and GIS”, Vol. 11&12 No. 1&2 pp 149-176, 2006 & 2007
- ❖ Dharanirajan K., Pandian P.K., Gurugnanam B., Narayanan RM. Ramachandran S. “Coastal Engineering Journal, Japan, An Integrated Study for the Assessment of Tsunami Impacts: A Case Study of South Andaman Island’, India using Remote Sensing and GIS”, Vol. 49, pp. 229-266, 2007, **I.F. 0.538.**
- ❖ Arivalagan S. Kandasamy S. “Flexural Behaviour of Hollow and Concrete-Filled Steel Beams”, Journal of Structural Engineering, Vol. 35, No. 2, pp. 104-109, 2008, **I.F. 1.17.**
- ❖ Arivalagan S. Kandasamy S. “Flexural Behaviour of Concrete-Filled Steel Hollow Sections Beams”, Journal of Civil Engineering and Management, Vol. 14, No. 2, pp. 107-114, 2008, **I.F. 3.711.**
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- ❖ Kumaran,S. “Tourism Through Effective Management Water Falls in Tamil Nadu to Attract Global visitors” Dr.M.G.R. Educational and Research Institute, Chennai, 2008
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- ❖ Lalitha, T.A, "Vertical Root Fracture Masquerading as a Periodontal Abscess- A Case Report" Priory.com Dentistry, Priory Lodge Education Ltd., 2007
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12. Honours/Awards to the faculty:

Best Teacher Award is given to the faculty who had produced & performed well in the subjects they have handled. This is a regular annual feature.

Department of EIE

S No.	Names of Faculty	Prize	Award
	Ms. Sruthy Sreekumar	2 nd Rank in M.Tech Rs.25000	Silver Medal
	Mr. Jai Sankar	2 nd Rank in B.Tech Rs.25000	Silver Medal

13. Internal resources generated:Nil**14. Details of Departments getting SAP, COSIST (ASSIST)/DST, FIST etc. assistance/recognition:****AICTE Funded Project – Grant-in-aid under Entrepreneurship Development Scheme:**

Project : Entrepreneurship Development Cell (EDC)
Total Grant Received: Rs. 8.00 Lakhs. (Rs.4 Lakhs Non-recurring; Rs.2+Rs.2 Recurring)
Duration : 2006-2009 – 3 years.

EDC Activities – 2006-2007:

- Entrepreneurship Awareness Programs in April 2007 & October conducted for 500 students. NSIC, EDI, TANSIA, Banks.
- EDI Experts interaction with 200 students in February 2007.
- Entrepreneurship Training to Coordinator in EDI.
- Equipment procured.
- Five Industrial Enterprises developed by Alumni.

EDC Activities – 2007-2008:

- Entrepreneurship Certificated Programme for 40 students, TFSC.
- OLPE with EDI.
- BRIDGE Programme of TFSC.
- Entrepreneurship Club.
- Certificate Course on Industrial Safety.

ARDB Funded Project – Grant-in-aid Scheme of Aeronautics Research & Development Board:

Project : Design and Development of Autonomous Micro Ornithopter
Total Grant received: Rs.9.21 Lakhs (Parts & Integration Rs.7.80 Lakhs; Expenditure- Rs.1.41 Lakh)
Duration : 2007-2008 – 01 Year.

Micro Air Vehicle Activities-2007:

- a. Micro Ornithopter fitted with micro camera and radio control demonstrated.
- b. Two final years B.Tech. (Mechanical) students are in this project.
- c. Demonstrated in National MICA flying competition in October 2007 at Agra and won Certificate of Appreciation.
- d. Preparing to participate in the International Competition in March 2008.

15. Community Services:

National Service Scheme

NSS Report for the Year 2007-2008

Launched in the Mahatma Gandhi's Birth Centenary Year 1969, as a student Youth Service Programme, National Service Scheme (NSS) popularly known as NSS was launched in 37 Universities involving 40,000 volunteers in 1969. Over the years, NSS has expanded many folds and covers over 2.2 million students during 2004-05. NSS is a permanent student youth programme of the Government of India and the expenditure is shared by the Central & State Governments in the ratio 7:5.

Motto of NSS:

"Not me, but you"

Swami **Vivekananda** said this; the real meaning for this is **your need is greater than mine**. It also indicates the selfless service and concern for others.

NSS Day

NSS was launched in September 24, 1969. Since then this day, 24th September, is being celebrated as NSS Day by undertaking suitable need based programmes at our Institutional level.

NSS Emblem

The Symbol of NSS is the Rath wheel of Konark Sun Temple, Orissa. The giant wheel portrays the cycle of creation, preservation and movement. It signifies the progressive cycle of life. It stands for continuity as well as change and continuous striving for Social Transformation and Upliftment.

NSS BADGE

The NSS symbol is embossed on NSS Badge. The NSS volunteer wears it while undertaking programmes. This **Konark Wheel** in the symbol has eight spokes, which represent **24 hours of the day**.

The Navy Blue indicates the cosmos of which the NSS is a tiny part ready to contribute its share for the welfare of mankind.

PROGRAMMES

a) Regular Activities:

Under this, every volunteer is involved in various developmental activities for 120 hours in a year. Before involving them in various activities, they should be given orientation for at-least 20 hours so as to make them acquainted with the basics of NSS.

Regular Activities: 240 hours for 2 years

20 hours for orientation

2 Hrs NSS General Orientation

8 Hrs Special Orientations

10 Hrs Skill Training

30 hours campus work

70 hours community work

- ❖ Urban work – Slum, Hospital Destitute home, awareness pro, Traffic Control, etc
- ❖ Rural work – Literacy, Water Shed, Health, Sanitation and Savings etc
- ❖ Natural Calamity & Emergency Relief work
- ❖ National Day Celebrations.

b) Special Camping Programme

Under this, camps of 10 days duration are organized under specific themes in the adopted villages / slums by involving local youth along with NSS volunteers. (50% of the unit strength can participate in the special Camp) The activity will be carried out under some special theme from time to time.

The Special camp theme for the 3 years – 2006 – 09

Healthy youth for Healthy India

The Proposal for conduct of the Special Camping Programme should be submitted by all the colleges in the prescribed format to the Programme Co-ordinator, NSS of the University for Necessary Approval and release of grant.

DAY CAMPS

In order to complete a specific regular project, Day Camp may be organized and the services of the volunteers may be utilized for 8 Hrs, in such camps. An amount of Rs.12/- per volunteer may be utilized in Day camps.

VOLUNTEER-SHIP

Any student enrolled, as a volunteer under NSS during his first year in the college should put in at-least 240 Hrs of work in two (2) years. He will be issued a participation certificate on completion of the volunteer-ship.

COMPOSITION OF NSS UNIT

One NSS unit consists of 100 student volunteers under the guidance of a teacher in charge called “Programme Officer, NSS”

ADOPTION OF VILLAGE / SLUM

A nearby village or slum has to be adopted by every NSS Unit to organize need – based programmes for the benefit of the students in particular and the community in general. The special camp should also be conducted in the same village. The adopted village should not be changed frequently without producing tangible developments. This may take three to four years or even more.

ADVISORY COMMITTEE

Every NSS unit should constitute an Advisory Committee for NSS at College level to advice on programme planning and development. The committee will also review the activities of the NSS unit and approve the budget and expenditure thereof. The composition of the committee shall be as follows:

Principal of the Institution	-	Chairperson
Two Members of the staff with Social Work background	-	Member
One Representative from Development Dept	-	Member
One representative from the Adopted area / Welfare Agency	-	Member
Two Student Volunteer Leaders	-	Member
Programme Officer, NSS	-	Member secretary

The College level Advisory Committee should meet at-least four times during a year, one in every quarter to assess the development of NSS Programme in the Institution and to promote a sense of participation among the teaching faculty, the students and the community of the adopted area.

October 2007

A “Refreshment Course” for the First Year Students was organized and conducted. Around 200 – 250 students have attended the course and got benefited. Senior Faculties were utilized for the above course.

November 2007

Collaboration with Department of Police under “Friends of Police”

The Maduravoyal Police Inspector Mr. Rajendran, Sub-Inspectors Mr.S.Kabil and Ms. Amulu met our Managing Director and requested to send some of the volunteers of National Service Scheme for the Night City Patrol under the Friends of Police concept.

Accordingly the Managing Director called the NSS Coordinator and informed him about the request of the Police Officials. He also directed the NSS Coordinator to take necessary steps to fulfill the request.

A team of volunteers were appointed under the coordination of Mr. Sreeram, CSE faculty. The team of volunteers reported to the Maduravoyal Police Station and helped the Police Officials in the Night Patrol during December 2007 and January 2008.

December 2007

- ❖ World AIDS Day Awareness – programme was organized on 01.12.2007. Dr. K.K. Perumal, Professor, ACS General Hospital, Noombal Village, gave an elaborate speech on AIDS and advised all the students present to create awareness to the general public.
- ❖ Programme Officers Meet was conducted on 21.12.2007.

January 2008

- ❖ Dental Camp
- ❖ Republic Day Celebrations



A One Week Dental Screening Camp was organized by the University NSS Wing and Thai Moogambigai Dental College & Hospital from 26.01.2008 to 31.02.2008.



About 1160 students and 400 public patients from in and around the University area got the benefit of the Camp.



Out of these 140 students and patients were identified to be having problems and referred for further treatment.



They were asked to have a free follow-up at Thai Moogambigai Dental College & Hospital.
The camp was inaugurated by Er.A.C.S. Arunkumar, Managing Director of Dr. M.G.R. University



On 26.01.2008 56th Republic Day celebrations were organized under the NSS Wing.
Er.A.C.S.Arunkumar, Managing Director, presided over the celebrations and hoisted the National Flag.

NSS Programme Coordinator, all the Programme Officers, Physical Director, and some of the Staff Members and all the NSS Volunteers were present for the celebrations. Sweets were distributed to all the members present.

March 2008

01. Special Camp – 10.03.08 to 19.03.08 – Mettukuppam, Nerkundram



Inauguration of the Special Camp – Dr. P. Kaliyaperumal – Dean (Purchase) delivering inaugural address



Mrs. Jennet Jayaselle – HM of the PU School delivering the Special Address



General cleaning of the venue by NSS Volunteers on day one 10.03.2008



General cleaning of the venue by girl volunteers on day one 10.03.2008



Cleaning work being done at the school well on day two 11.03.2008



Water tank cleaned by the volunteers on day three 12.03.08



The overhead tank of the school being cleaned by volunteers on day three 12.03.08



NSS volunteers cleaning the school building for colour washing on day three 12.03.2008



Colour wash being done by the volunteers on day four 13.03.2008



Dr. S. Vairamani, Mr. N. Bakthavatchalam, Dr. T.S. Thandavamurthy speaking to school students on essentiality of Yoga, Traffic Regulation and Rain Water Harvesting.



Dr. Rama Vaidyanathan giving tips to students on “How to lead a clean life”



Free Dental Camp conducted during Special Camp at adapted Village.



NSS Volunteers of Dr. M.G.R. Educational and Research Institute colour washing the PU School at Mettukuppam Village.



Chief Guests at the Valedictory Function of the NSS – Special Camp at Mettukuppam Village



Our Managing Director Mr. A.C. Arunkumar planting a sapling at the PU School, Nerkundram Village

16. Teachers newly recruited:

JUNE - 2007

S.NO	NAME OF THE STAFF	DEPT	QUALIFICATION	DESIGNATION
1.	Mr. P. Mahendran	CSE	B.E.-98, M.E.-05	Asst. Prof.
2.	Mr. B. Senthil Kumar	ECE	M. Tech.	Lecturer
3.	Ms. Britto Sumitha	ECE	M.E.	Lecturer
4.	Ms. L. Shobana	EEE	M.E.	Lecturer
5.	Mr. G. Somasundaram	MECH	M. Tech. (Ph.D.)	Asst. Prof.
6.	Mr. S. Suresh Kumar	IBT	B.Sc,05,M.Sc,07,	Lecturer
7.	Mr. C. Ananda Vayaravelu	Physio. & Bio Chem.	M.Sc.,	Lecturer

JULY - 2007

8.	Ms. S. Anitha	CSE	B.Sc.-92, MCA,-96 M.Phil.-03, M.E.-06	Asst. Prof.
9.	Ms. G. Victo Sudha George	CSE	B.E.93, M.Tech.0 7(PT)	Asst. Prof.
10.	Mr. Madahavan	CSE	B.E.-04, M.Tech.-07	Lecturer
11.	Ms. R. Valarmathi	CSE	B.E.98, MBA05, M.E.05,	Lecturer

12.	Ms. Krithika	CSE	B.Tech06, (M. Tech.)	Lecturer
13.	Ms. P. Valarmathie	CSE	M.E.	Asst. Prof.
14.	Ms. S. Bhuvana	CSE	M. Tech.	Lecturer
15.	Mr. Manikanda Prabhu	CSE	M.E	Lecturer
16.	Mr. K. Dinakaran	IT	B.Sc.92, MCA97, M.Phil02, ME05	Lecturer
17.	Prof. Uma Rajaram	ECE	B.E.77, M.E.90,(Ph.D.)	Professor
18.	Ms. Nazeeya Anjum	ECE	B.E.01, M.E.06	Asst. Prof.
19.	Mr. J. Jayarajan	ECE	B.E.02, M.E.04	Lecturer
20.	Mr. D. Regan	ECE	M. Tech.	Lecturer
21.	Ms. Uma Maheswari	EEE	B.E.96, M.Tech.07	Lecturer
22.	Mr. K.V. Thilagar	EEE	B.E.05, M.E.07	Lecturer
23.	Ms. S. Vigneshwari	EEE	B.E.01, M.E.02	Lecturer
24.	Ms. Prabavathi	EEE	M.E.	Lecturer
25.	Mr. D. Ramalingam	EEE	B.E,M.E	Asst. Prof.
26.	Mr. Frederic Gnanaraj	MECH	B.E.89, M.E.91	Asst. Prof.
27.	Mr. G. Govardhan	MECH	B.E.00, M.E.07	Lecturer
28.	Mr. E. Murali	MECH	B.E.97, M.E.00	Asst. Prof.
29.	Mr. K. Rajan	MECH	B.E.90, M.E.06	Asst. Prof.
30.	Mr. P. Saravana Kumar	MECH	M. TECH.	Lecturer
31.	Mr. S. Arul	E&I	B.E,-92,M.E,-07	Lecturer
32.	Mr. P. Jayakaran	IBT	B.Tech.00, M.Tech.02, (Ph.D.)	Asst. Prof.
33.	Ms. S. Sujatha	IBT	B.Sc.01, M.Sc.03, (M. Phil.)	Lecturer
34.	Mr. P. Muthukumaran	IBT	B.Tec.04, M.Tech.06	Lecturer
35.	Ms. B. Neeraja	MBA	B.Com.92, M.Com.95, M.Phil.97, MBA01	Sr. Lecturer
36.	Ms. S. Archana Bai	MBA	B.Com98, M.Com00, M.Phil.01, MBA06, (Ph.D.)	Lecturer
37.	Ms. K. Deepa	MCA	B.Sc,-97,M.C.A,- 00,M.Phil,-04	Lecturer
38.	Mr. F. Amaldoss Robinson Jebakumar	P.D.	B.P.Ed.04, M.P.Ed.06, M.Phil.07	Lecturer
39.	Ms. V. Vijayakrishnan	MATHS	B.Sc.89, M.Sc.91 (M.	Lecturer

			Phil.)	
40.	Ms. M. Annalakshmi	MATHS	B.Sc.97, M.Sc.99, M.Phil.07	Lecturer
41.	Mr. C. Sivakumar	MATHS	M.Sc., M. Phil.	Lecturer
42.	Mr. K. Sivasankari	MATHS	M.Sc., M. Phil.	Lecturer
43.	Mr. P. Ramu	CHEMISTRY	B.Sc.90, M.Sc.92, M.Phil.07	Sr. Lecturer
44.	Dr. Madhu Mehta	CHEMISTRY	B.Sc.97, M.Sc.99(Ph.D.)	Lecturer
45.	Ms. S. Eswari	CHEMISTRY	M.Sc.	Lecturer
46.	Ms. C. Andal	PHYSICS	B.Sc.97, M.Sc.99, M.Phil.04 PGDCA05	Lecturer
47.	Prof. Dr. P. Girija Devi	Path & Mic.Bio	M.B.B.S., M.D.	Reader / Microbiology
48.	Dr. Sivaramulu	Oral Surgery	M.D.S	Professor
49.	Dr. C.V. Senthil Nathan	Physiotherapy	M.P.T., PG.D.D.R., PGDGerontology, MIAP, MHPC., MISCP.	Principal & Prof.

AUGUST – 2007

50.	Mr. R. Kirupa	CSE	B.E.05, (M.E.)	Lecturer
51.	Mr. S. Jgadeesan	CSE	B.E.03, M.Tech.07,	Lecturer
52.	Mr. Padmini Priyadarshini	CSE	B.E.05, (M.E.)	Lecturer
53.	Mr. Surya Prakash	CSE	B.E.07	Lecturer
54.	Ms. T. Gayathri	CSE	B.Sc.(Maths), M.Sc.(IT), (M. Tech.-CSE)	Lecturer
55.	Mr. T.R. Revanth Kumar	ECE	M. Tech.	Lecturer
56.	Mr. N. Shyamsundar	EEE	B.E.06	Lecturer
57.	Mr. Ashok Kumar	MECH	B.Sc.94, AMIE.04, M.E.07	Lecturer
58.	Mr. K. Sanjay (a) Chidambaram	MECH	B.E.96, M.E.03	Asst. Prof.
59.	Dr. S. Shanmuga Sundaram	MECH	B.Sc., B.E., M.Sc., Ph.D.	Professor
60.	Mr. M. Kumaresan	E&I	B.E,-99,M.E,-05,	Lecturer
61.	Mr. Subramaniyan	CIVIL	B.E,-01,M.E,-04	Lecturer
62.	Mr. S. Saileysh Sivaraja	CIVIL	B.E.-01,M.S,-06	Asst. Prof.
63.	Mr. R. Vijayabalan	CIVIL	M.E	Lecturer

64.	Ms. K. Vimala	MBA	M.Com.00, M.Phil.01, MBA06 (Ph.D.)	Lecturer
65.	Ms. Arti Chandani	MBA	B.Com.92, M.Com94, MBA98	Asst. Prof
66.	Ms. D. Neguja	MCA	B.Sc.-88,M.C.A,- 92,M.Phil,-04,(Ph.D.)	Asst. Prof.
67.	Ms. Aswini Venkatesan	MCA	B.Sc,-00,M.C.A,-03	Lecturer
68.	Ms. Nirmal Sugirtha Rajini	MCA	B.Sc,-97, M.C.A,-04, (M. Phil.)	Lecturer
69.	Mr. S. Mohandas	MCA	B.Sc,-04, M.C.A,07	Lecturer
70.	Ms. Sarala Vinoraj	MCA	B.Sc,-94, M.C.A,-97, (M. Phil.)	Lecturer
71.	Ms. R. Ruby Josephine	MCA	B.Sc,-99,M.C.A,-02	Lecturer
72.	Ms. R. Sumathi	MATHS	B.Sc.92, M.Sc.94	Lecturer
73.	Ms. S. Kopperundevi	MATHS	B.Sc.01, M.Sc.03, M.Phil.05	Lecturer
74.	Ms. R. Kanimozhi	MATHS	B.Sc.98, M.Sc.01, M.Phil.03	Lecturer
75.	Ms. Anitha Roseline	CHEMISTRY	B.Sc.96, M.Sc.98, M.Phil.99	Lecturer
76.	Dr. Madhu Mehta	CHEMISTRY	B.Sc.97, M.Sc.99, Ph.D.03	Lecturer
77.	Ms. N. Jayachitra	CHEMISTRY	B.Sc.96, M.Sc.98, M.Tech.00	Lecturer
78.	Ms. J. Uma	PHYSICS	B.Sc.94, M.Sc.96, PGDC98,	Lecturer
79.	Mr. Kollu Bhanu Prakash	PHYSICS	B.Sc.02, M.Sc.04, M.Phil.07	Lecturer
80.	Ms. Y. Shanthi	PHYSICS	B.Sc.96, M.Sc.98, M.Phil.04	Lecturer
81.	Ms. K. Bhavani	PHYSICS	M. Phil., B.Ed., P.G.D.C.A, (Ph.D.)	Lecturer
82.	Dr. W. Sheela	Oral Medicine	B.D.S	Lecturer

SEPTEMBER – 2007

83.	Ms. Ponni (a) Sathya	CSE	B.E. 04, MBA-07	Lecturer
84.	Ms. P. Mahalakshmi	CSE	B.Tech.07	Lecturer
85.	Mr. L. Mebil Bernaldu	IT	B.Sc.91, MCA95, M.Tech06	Asst. Prof.
86.	Ms. D. Sathya Priya	EEE	B.E.03 (M.E.)	Lecturer
87.	Ms. L. Sindhuja	CIVIL	B.E,-03,M.E,-05	Lecturer

88.	Ms. V. Mary Rajam Vandana	MCA	B.Sc,-04,M.C.A,-07	Lecturer
89.	Ms. N.S. Sangeetha	CHEMISTRY	B.Sc.04, M.Sc.06, M.Phil.07	Lecturer
90.	Mr. D. Edward Christy	CHEMISTRY	B.Sc.04, M.Sc.06, M.Phil.07	Lecturer
91.	Ms. Preetha Mary George	PHYSICS	B.Sc.00, M.Sc.02, (M. Phil.)	Lecturer
92.	Ms. S. Neelayathashi (a) Vichitra	PHYSICS	B.Sc.91, M.Sc.93, B.Ed.96, M.Phil.02	Lecturer
93.	Mr. J. Padmanaban	PHYSICS	M.Sc., M. Phil.	Lecturer
94.	Dr. Manisha Kanagarajan	Anesthesia	M.B.B.S., M.D,	Lecturer
95.	Dr. Nayana Reddy	Community Dentistry	B.D.S	Lecturer

OCTOBER – 2007

96.	Ms. P. Sudha	CSE	B.E.06	Lecturer
97.	Mr. Vijaya Narayanan	CSE	M. Tech.	Lecturer
98.	Ms. V. Devi Mathy	CHEMISTRY	B.Sc.04, M.Sc.06, M.Phil.07	Lecturer
99.	Ms. K. Gayathri	CHEMISTRY	B.Sc.05, M.Sc.07	Lecturer
100.	Mr. K. Naresh	PHYSICS	B.Sc.01, M.Sc.03, (M.E.)	Lecturer
101.	Dr. Rm. A. Arunachalam	Anatomy	M.B.B.S., M.S, DIP (Oto)	Reader
102.	Dr. Rubella Sathiyavathi	Anatomy	M.B.B.S., M.D.,	Lecturer
103.	Ms. S.Ramya	Physio & Bio Chem.	M.Sc.,	Lecturer
104.	Dr. R. Selvaraj	Pharmacology	M.B.B.S, M.D.,	Lecturer
105.	Prof. Dr. Mallika Krishnaswamy	Anesthesia	M.B.B.S., M.D, D.A.,	Reader
106.	Dr. A.M. Shakeel	Orthodontics	B.D.S	Lecturer
107.	Dr. Joel Manoj	Periodontics	B.D.S	Lecturer
108.	Dr. Ganga Nivethitha	Periodontics	B.D.S	Lecturer
109.	Dr. Dhukkaram	Periodontics	B.D.S	Lecturer
110.	Dr. R. Samuvel Sundarraj	Oral Pathology	B.D.S	Lecturer
111.	Dr. Eshwaran	Oral Anatomy	B.D.S	Lecturer
112.	Dr. Somy Mathew	Pedodontics	M.D.S	Reader

NOVEMBER – 2007

113.	Ms. K. Sumathi	CSE	M. Tech.	Lecturer
114.	Mr. S. Arun	ECE	M.E	Lecturer
115.	Ms. K. Chandralekha	P.D.	B.P.S.02, M.P.Ed.04, M.Phil.06	Lecturer
116.	Prof. Dr. G. Gunavathi	Physio & Bio Chem.	M.B.B.S, M.D.,	Reader /Physiology
117.	Prof. Dr. Jamuna Indramohan	Conservative	M.D.S	Professor

DECEMBER – 2007

118.	Mr. V. Sai Shanmugaraja	CSE	B.E.06 (M.E.)	Lecturer
119.	Mr. M. Anand	ECE	B.E.01, M.E.05	Sr. Lecturer
120.	Dr. S. Ellangkumaran	Oral Surgery	M.D.S	Sr. Lecturer

JANUARY – 2008

121.	Dr. S. Chandrasekaran	CSE	B.E.(ECE), M.E.(CSE-PT), Ph.D.(I&CE)	Dean
122.	Mr. Vallem Ramesh	EEE	B.E.83, M.E.85, PGDMM89	Visiting Prof.
123.	Mr. Jayaprakash Narayanan	EEE	B.E.69, M.Sc.72,	Prof.
124.	Mr. J. Rajaraman	EEE	B.E.83, (M.E.)	Lecturer
125.	Ms. A. Baghyalakshmi	EEE	B.E.04, M.E.06	Lecturer
126.	Ms. Boomadevi	EEE	B.E.94, M.E.04	Asst. Prof.
127.	Mr. Andrew Nallayan	MECH	B.E.90, M.E.93	Asst. Prof.
128.	Ms. Bhagyalakshmi Pasam	MECH	B.E.03	Teach. Asst.
129.	Mr. B. Kuppuraju	MECH	B.E.81, M.E.83	Professor
130.	Ms. M. Radhika	MBA	B.Com.97, PGDCA99, MBA01, M.Phil.07	Sr. Lecturer
131.	Ms. G. Kalpana	MCA	B.E.-90,M.C.A,- 06,M.Phil,-07	Lecturer
132.	Mr. D. Deivanayagam	ENGLISH	B.A.66, M.A.86	Lecturer
133.	Mr. K. Aloysius	ENGLISH	B.A.67, M.A.69	Lecturer
134.	Mr. R. Singaravelan	CHEMISTRY	B.Sc.01, M.Sc.06	Lecturer

FEBRUARY – 2008

135.	Ms.J.Johny Arockia Reena	IBT	B.Tech,04.M.Tech,-06	Lecturer
136.	Dr. Yousuf Mohamed Hashir	Orthodontics	M.D.S	Sr. Lecturer
137.	Dr. Damodaran	Prosthodontics	B.D.S	Lecturer

MARCH – 2008

138.	Ms. K. Kalavani	MBA	B.Sc.(Zoology)94, MBA05,M.Phil07	Lecturer
139.	Dr. Priyaa Rangeeth	Oral Surgery	B.D.S	Lecturer
140.	Dr. N. Rajvikram	Orthodontics	M.D.S	Sr. Lecturer
141.	Dr. P. Jayakumar	Periodontics	M.D.S	Prof. & H.O.D
142.	Dr. Deepa Lakshmi	Periodontics	M.D.S	Reader

APRIL – 2008

143.	Mr. S. Karthikeyan	MCA	B.Sc,02, MCA,06,M.Phil,08	Lecturer
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MAY – 2008

144.	Ms. P. Nathiya	IT	B.Tech,08	Teach. Asst.
145.	Ms. P. Nandhini	IT	B.Sc.01, M.S,03,M.Tech.05,	Lecturer
146.	Dr. Gopala Krishnan	Periodontics	M.D.S	Sr. Lecturer
147.	Dr. B.N. Rangeeth	Pedodontics	M.D.S	Sr. Lecturer
148.	Dr. Winnifred Christy	Oral Medicine	M.D.S	Sr. Lecturer

17. Teaching – Non-teaching staff ratio:

Faculty / Student Ratio – 1:14

Teaching / Non-Teaching Ratio – 1:1

18. Improvements in the library services:

- ❖ Automation of library books using Boan software sustained.
- ❖ 1,275 new books were purchased in the central library.

- ❖ These new books were classified, accessed and sorted in the central library.
- ❖ Subscription of E-journals for Rs.6,29,210.
- ❖ The national and international journals were subscribed.
- ❖ Browsing internet was implemented in the central library.
- ❖ Access of e-journal and e-books in the library came into effect for staff and students.
- ❖ The library has nearly 400 seating capacities.
- ❖ Details of staff and students were updated.
- ❖ Purchase of Reference Books and Handbooks for Research Scholar.
- ❖ Browsing internet was implemented in the central library.
- ❖ Regular newsletters/wall magazines by all departments and publication of journals by more departments.

19. Number of new books / journals subscribed and their value:

1. New Books were purchased :1275
2. E-Journals subscribed of Value : 6,29,210

20. Courses in which student assessment of teachers is introduced and the action taken on student feedback:

Students' assessment of teaching is done at the end of every semester for all courses. A sample of this is given below. The teachers are advised accordingly and their improvement is assessed next semester.

It is been found that this exercise benefited both faculty and students.

Feed Back Select.xlsx - Microsoft Excel																										
Home Insert Page Layout Formulas Data Review View																										
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A B C D E F G H I J K L M N O P Q R S T U V W X Y																										
Dr. M.G.R.																										
EDUCATIONAL AND RESEARCH INSTITUTE																										
UNIVERSITY																										
Students Feed Back																										
S.No	Criteria	Ganapathy	Ganesan	Suresh	Sundar	Raja	Manoj Babu	Vincent	Arun Ravin Joseph	Fredrick	Govardhan	Rajan	Ashok Kumar	Sanjey	Andrew Nallayan	Bhagyala kshmi Pasam	Kumara Vijayendra Gopal	Stephen Bernard	Arun Prasath	Kandasamy	Wilson John	Arun Kumar	Maiyapan	Jagadeeswaran		
1	Commitment to students in imparting knowledge	9.4	9	6.8	10	8.4	8.4	10	8	8	9.7	8	9.8	9	9	9.5	8	8.4	8.1	10	9.8	7.6	8.2	8.9		
2	Professional Knowledge	9.7	10	9.4	9.5	9.6	9.2	10	8.7	8	9.7	8.4	10	8.6	10	9.5	8	8	8.7	9.6	10	9.2	8.7	8.1		
3	How far class is under his / her control	8.8	10	6	9.5	9.4	9.2	7.6	7.7	6	7.7	8.8	9.8	9	8.2	9.3	9	9.6	8.9	8.8	9.8	9.6	8.2	7.3		
4	Teacher made good use of examples / illustrations	10	9	4.6	9.7	9.2	8.8	10	7.7	8.4	8.7	8.4	10	7	9.4	9.3	7.5	8.4	8.4	9.2	9.4	10	7.1	7.7		
5	Legibility in black board writing and voice audibility	9.1	9	6.4	9.2	8.4	8.8	9.6	8.1	8.8	9.1	8.4	9.6	8.4	9.4	9.3	9	9.6	8.9	8.8	8.6	8	7.3	8		
6	Teacher welcomed questions / comments	8.2	9.6	10	10	8.4	9.6	9.6	9	8.8	9.7	9.6	9.8	9.6	9.8	10	8	9.6	8.9	10	10	10	9.1	8		
7	Teacher answered / responded to questions and comments clearly and concisely	8.8	9.6	8	9	8.4	9.6	8.8	8.1	8	9.1	9.2	9.8	9	9.6	9.5	8	10	8.7	10	9.8	9.6	8.2	7.1		
8	Regularity in conducting classes and completion of syllabus	8.5	10	4.6	9.2	8.8	9.6	9.6	8.2	8	9.1	9.2	9.8	7.8	9.8	10	8	9.2	8.7	9.2	10	9.6	8.2	8.1		
9	Helping the students academically after class hours	8.8	10	4	10	10	9.6	9.6	8.1	8	9.1	8.8	9.8	7.6	9.2	9.5	9	9.6	8.5	9.6	9.8	10	8.2	8.2		
10	Impartial with students in the class & in evaluation	9.7	8.2	7	8.7	7.8	8.4	9.6	7.7	8.8	8	8.4	7.8	7.6	7.6	8	9	8.4	8.4	8.4	9	8	7.6	8		
11	Did any class activity involve searching further materials on the internet?	8.8	7	9.5	9	6.5	7.5	8.8	9	8.4	8	8.5	9.3	9.3	9	8	4	9	7.8	9.3	9.3	9	9.2	9		
12	Commitments and involvement in students' projects / activities	9.1	8	9	8.5	9	9	9.2	7	8	9	9	9.7	8	8	7.9	4	8.5	8	8.8	9.7	8	8	8.5		
TOTAL		108.9	109.4	85.3	112.3	104	107.7	112	97.3	97.2	106.9	105	115.2	100.9	109	109.8	91.5	108.3	102	111.7	115.2	108.6	98	96.9		
OVERALL GRADE		9.075	9.1167	7.1063	9.3583	8.7	8.975	9.37	8.106333	8.1	8.908	8.73	9.6	8.408	9.0833	9.15	9.15	9.025	8.5	9.308	9.6	9.05	8.1667	8.075		
CSE E&I CIVIL IBT IT EEE ECE MCA MATHEMATICS MECHANICAL CHEMICAL PRODUCTION																										
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21. Unit Cost of Education:

S.No.	Particulars	2007 - 2008
1.	No. of Students	6142
2.	Total Fees Collected	489146000
3.	INCOME: Per Capita Student	79640
4.	Administrative & Capital Expenditure	454461267
5.	EXPENDITURE: Per Capita Student	73992

22. Computerization of administration and the process of admissions and examination results, issue of certificates:

All Systems like administration and the process of admissions and examination results, issue of certificates are fully computerized.

23. Increase in the infrastructure:

- ❖ High capacity UPS has been connected to 80 PC's.
- ❖ A new lab set up of Structural Engineering under construction is going on its estimated cost is nearly Rs.10 Lakhs. (The facility of the lab is loading frame, Strain indicator, Load cells and vibration meter).
- ❖ A new lab set up of Strength of Materials has under going in construction along with Structural Engineering Lab. (The new instruments are all modernized and latest technique, Torsion testing machine, Universal testing Machine, Compression testing machine, Impact testing machine and spring testing machine).
- ❖ In Fluid Mechanics and Machinery Lab additional instruments has purchased. (The instruments are ofifice meter, Venturimeter, Centrifugal pump, Reciprocating pump and Gear pump).
- ❖ Civil Engineering CADD Lab has upgraded with new system of 60 Nos.
- ❖ Survey lab has GPRS and Total station instruments.
- ❖ Soil Mechanics lab has fully renovated with a budget estimate of Rs.10 Lakhs.
- ❖ A proposal has submitted to the Management for renovation of Concrete Lab.
- ❖ IBM Centre of Excellence
- ❖ ORACLE Centre of Excellence
- ❖ Information Security & Cyber Forensics lab
- ❖ Mobile Communication lab
- ❖ Sustained practices leading to continuous improvement of infrastructure and learning resource development, to create an optimum learning ambience.

INFRASTRUCTURE ADDED (2007-2008):

CAD-CAM LAB EQUIPMENTS (2007-2008)

S.No.	Name of the Equipment	Date of Purchase	Cost(Rs)
1.	Exhaust Gas Analyzer (AVL INDIA PVT Ltd)	14-02-2008	2,91,000/-

MACHINE SHOP

S.No.	Name of the Equipment	Date of Purchase	Cost(Rs)
1.	'DEVCO'CYLIDRICAL GRINDING MACHINE	30-05-2008, BILL NO:14034	192400

24. Technology up-gradation:

- ❖ Advanced Research Tools for Theory & Practice
- ❖ CAD/CAM lab has been upgraded with following softwares
 - i. SOLID WORKS
 - ii. CATIA-Version 5, Release 19
- ❖ AVL Exhaust gas analyser has been procured at Thermal engineering lab for emission analysis.
- ❖ FFT Analyser has been procured at Dynamics lab for vibration analysis.

CENTRES OF EXCELLENCE

Centres of Excellence exist in the departments of

- ❖ Computer Science and Engineering
- ❖ Electrical and Electronics Engineering
- ❖ Bio-technology
- ❖ Electronics and Communication Engineering
- ❖ Mechanical / Automobile Engineering
- ❖ Electronics and Instrumentation Engineering

Department of Computer Science and Engineering

- ❖ Oracle (Workforce Development Program)
- ❖ Mobile Application Development

Department of Information Technology

- ❖ CIRRUS (Cloud Computing)

Department of Electrical and Electronics Engineering

- ❖ SUPERCEN (Sustainable Power and Energy Research centre)

Department of Industrial Biotechnology

- ❖ Plant tissue culture

Department of Electronics and Communication Engineering

- ❖ Non-invasive measurement of blood glucose
- ❖ Fall sensing kit with wireless monitoring

Department of Electronics and Instrumentation Engineering

- ❖ National Instruments Bangalore

Department of Mechanical Engineering

- ❖ Centre of Excellence in Mechanical Engineering

25. Computer and Internet access and training to teachers and students:

Sufficient numbers of computers are there in every department for the students and faculty to access Internet. The whole campus WI-FI enabled.

As our teachers are engineering graduates they have a thorough knowledge in the use of computer and Internet access. The students also have knowledge about internet access and the facility to use their Laptops.

The computer training is planned for the last grade staff.

26. Financial aid to students:

101 students are being provided financial aid in the form of fee concession, scholarships based on their family background, academic performance and sports talents. They are supposed to make an application at the beginning of every Semester.

27. Activities and support from the CENOZOIC:

Name of the Programme: CENOZOIC'07

Type of the Programme: Annual Cultural meet

Organising Seceratory: Mr.Kalaigan

Cultural Report:

- ❖ Around 3000 students were gathered on the cultural function.
- ❖ Around 250 students were participated on the cultural events.
- ❖ Ten colleges of our university were participated in the events.
- ❖ Prelims were conducted at Dr.M.G.R. Educational & Research Institute, University Phase-I by various staff coordinators and student volunteers and the top 3 teams were allowed to perform on the main stage at University campus.
- ❖ Various events like Solo Dance, Group Dance, Vocal, Band, Skit, Drama etc., were conducted.
- ❖ Dr. Avvai Natarajan, Former Vice Chancellor, Tamil University, Tanjore. Mr. Barathiraja, Famous Cine Director and Dr. Thirumalaisamy, Vice Chancellor, Tamilnadu Physical Education and Sports University, participated as Dignitaries and Distributed the Prizes and Certificates to the Winners and Participants.
- ❖ Companies like Accenture, L&T sponsored the events.

28. Activities and support from the Parent-Teacher Association:

The college arranges meetings with parents and guardians to brief the parents about the new examination pattern, attendance, discipline and the nature of the curricular and co-curricular activities of the college. Meetings are arranged after the announcement of examination results, to improve the quality of students' performance to ensure parental involvement with their wards and whenever there is a breach of discipline by students.

29. Health Services:

- ❖ A Full-Time Doctor is Campus (Phase II) - caters to the need of students and also to the Hostel
- ❖ ACS Medical College - Free treatment for Staff / Students
- ❖ Medical Card given to all the Teaching / Non-teaching Staff of the University.
- ❖ Medical & Dental Camps are organized once in every semester to help the poor and in and around the University campus.

30. Performance in Sports Activities:

Physical Education is part of a wider process of education. One view of education is that it is a process that seeks to transmit, evaluate and enrich aspects of culture. Sports as a cultural form are valued all over the world. It plays a vital role in everyday life. Sporting activities can provide a healthy and enjoyable leisure pursuit throughout one's life, assist in social and community harmony and build up civic and national pride and create an impact on the economy.

Our Philosophy relates to sport in its widest possible context

We endeavour to provide an opportunity for all our students to take part in varied sporting programmes.

- ❖ We aim to develop their understanding of the need for a healthy, active lifestyle, to promote a willingness to participate, an ability to empathize with others and a love of physical activity that will provide an enjoyable leisure pursuit in later life.
- ❖ Evidence suggests that regular physical activity is beneficial to health and well being in today's stressful, fast-moving society. People who are healthy usually have a positive outlook on life and are better equipped physically and mentally to cope with the rigours of modern living.
- ❖ Our programme aims to equip students with the knowledge, understanding, concepts, values and attitudes to adopt an active lifestyle.

- ❖ Voluntary and long-term participation in sports is dependent on individuals feeling competent and confident enough to participate at their own level. It is of prime importance that Physical Education is a positive experience, made accessible, stimulating and enjoyable and that every student feels valued, whatever the standard.

To cater for the different needs of our students, we include a wide range of sports from as many cultural backgrounds as possible with as many cross-curricular ties as possible. Health and fitness training is integral to all parts of the curriculum.

Physical Facilities:

❖ Basketball Courts	2
❖ Football Field	1
❖ Cricket Pitch	1
❖ Volleyball Courts	2
❖ Ball Badminton Courts	2
❖ 200 Metres Track	1

We have with us the following equipment and facilities to provide to our students whenever they need.

Equipment:

Table Tennis Boards, Cricket Kits, Badminton Bats, Table Tennis Bats, Stop Watches, Leg Pump, Iron Shots, Discus, Javelins, Carrom Boards, Chess Sets

We have very good Physical facilities like Football, Volleyball, Basketball, Tennis, Basketball, Cricket play fields within the campus. The scholars could use the Multi Gym Facilities available in the Department.

The following are the participation and achievements of our students in various fields of sports and Games during 2007–2008

UNIVERSITY TOURNAMENTS & SPORTS

OPEN & INVITATION TOURNAMENTS

- ❖ In **RIVIERA 2007**, organized by Vellore Institute of Technology, our Basketball, Volleyball, Football, Table Tennis, Chess and Badminton teams participated and reached various levels before finals from 2nd January 2007 to 4th January 2008.

- ❖ Our College Basketball, Badminton and Table Tennis teams participated in the **SSN Trophies** organized by SSN College of Engineering from 6th January 2008 to 8th January 2008.

ACADEMIC ACTIVITIES:

As Credit Based Semester System is being followed in our University, all the students of I Semester should pass a 3 Credit course in Health Science, which is aimed at keeping the Engineering students fit and healthy. This course is a combination of Fitness Exercise (Practical programmes with suitable knowledge classes comprising of 2 lecture hours and 2 practical hours every week).

The knowledge input is on the following topics:

Health: Concept of Health, Dimensions of Health, Determinants of Health, Health Hazards of Modern Living & Growth and Development

Body System Responses to Exercises: Cardiovascular System, Respiratory System, Nervous System, Digestive System & Sensory Organs

Food and Nutrition: Factors affecting Nutritional status, Nutritional status, Nutritional Needs, Balanced Diet & Exercises and Food

Systems of Exercise: Calisthenics, Aerobics and Anaerobic, Isotonic, Isometric and Isokinetics, Injuries and First Aid, Suitable Exercises for different Age Groups

Yoga: Steps of Yoga, Simple Yogic Exercises for Health, Pranayama, Meditation and Yoga on Mental Faculties, Yoga on Different body functions

The Practical input on the following topics is carried out through demonstration, participation and practice.

- ❖ Body Building Exercises
- ❖ Energy Giving Exercises
- ❖ Flexibility Exercises
- ❖ Yogic Exercises
- ❖ Pranayama
- ❖ Suryanamaskars
- ❖ Fitness and Body conditioning Exercises
- ❖ Meditation, Concentration and other mind control exercises.
- ❖ Nature Foods and Nature Cures.

To start Bachelor Degree Courses on Sports Management, Sports Psychology and Sports Training.

31. Student achievements and awards:

Department of ECE

- ❖ **Abhinab Ghosh**, ECE IV Year published a paper on “UNMANNED AUTOMATED LEVEL CROSSING” for IET 360. He was awarded with 3rd prize under the category PAPER PRESENTATION.
- ❖ **Ashatosh Raj Sinha and Viplav Kumar** of ECE 4th year won 3rd prize for the event ‘TRANSFORMERS’ organized by IET UK during IET 360 conducted on March 11th-12th at Dr. M.G.R. EDUCATIONAL & RESEARCH INSTITUTE, UNIVERSITY.
- ❖ **Abhinab Ghosh**, ECE IV Year published a paper on “RIVER RESTORATION” under the category of INDUSTRIES DEFINED PROBLEM IN ASSOCIATION WITH IET 360. HE finished 4th in this competition.
- ❖ **Dhanush Dharmaretnam and Nishant Kumar** of ECE 4th year Published a Research paper on” AUTOMATIC ACCIDENT DETECTION SYSTEM APPLYING BRAIN WAVE ANALYSIS AND FATIGUE ANALYSIS” FOR IET Paper presentation and they were placed 4th under this category.

Department of EEE

- ❖ **Himani Joshi** Received FARADAY ACADEMIC MEDAL from IET-UK, YMS CHENNAI NETWORK, INDIA.
- ❖ **Himani Joshi** PRESENTED A MODEL ON Voltage Regulator in IET-UK, YMS CHENNAI NETWORK, and INDIA and awarded the 1ST position.
- ❖ **Nitish Kumar Singh** presented paper in 'ISACT-08” International Symposium on Advanced Computing Technologies in St Xavier Catholic College of Engineering, at Chunkankadai in Kanyakumari District (Tamilnadu) and secured 1st position.
- ❖ **Ashutoshsharan** Participated in the National Level Workshop on Recent Trends in POWER ELECTRONICS AND DEVICE at RAJALAKSHMI ENGINEERING COLLEGE in APRIL, 2008.
- ❖ **GautamKumar** presented paper in 'ISACT-08” International Symposium on Advanced Computing Technologies in St Xavier Catholic College of Engineering, at Chunkankadai in Kanyakumari District (Tamilnadu) and secured 1st position.
- ❖ **Gautam Kumar** Participated in the National Level Workshop on Recent Trends in POWER ELECTRONICS AND DEVICE at RAJALAKSHMI ENGINEERING COLLEGE in APRIL,2008

- ❖ **Punit Kumar Dubey**, participated in the National Level Workshop on RECENT TRENDS IN CONTROL AND INSTRUMENTATION at PSG College of Technology, Coimbatore, in February, 2008
- ❖ **Punit Kumar Dubey** presented paper in 'ISACT-08" International Symposium on Advanced Computing Technologies in St Xavier Catholic College of Engineering, at Chunkankadaai in Kanyakumari District (Tamilnadu) and secured 1st position.
- ❖ **Punit Kumar Dubey** Received Ramanujam Medal of creative from IET-UK, YMS CHENNAI NETWORK, INDIA.
- ❖ **Punit Kumar Dubey** presented a paper on Application of Neural Networks in Wind Power Generation in IEEE National Level Symposium SURGE2K8 in Velammal Engineering College, Chennai, and (Tamilnadu).
- ❖ **Punit Kumar Dubey** presented a model on voltage regulator in IET-UK, YMS Chennai Network, and India and awarded the 2nd position.

Department of CSE

- ❖ **Godwin**, "Western Music", VIT University, 22-25 '07, 1st Prize.
- ❖ **S.Baskari**, "LUSTRO", ST.Xaviers catholic college of engineering, Kanyakumari dist., 7 Mar '08, 1st Prize.

Department of IBT

- ❖ **Ashish Rao.D**, "Biotechcellence'07", Best undergraduate presenter in Anna University, Chennai, 2008.
- ❖ **Ramjee Chaudhary, Srikant Govind, Dhawal Moghe**, "Biotechcellence'07", 3rd Prize in Quiz in Anna University, Chennai, 2008.

Department of CIVIL

- ❖ **Shahrukh Khan**, "Andaman PWD Trainee", Internship.
- ❖ **Abrar Ahmed Khan**, "Andaman PWD Trainee", Internship.
- ❖ **T J Shehnaz**, "Andaman PWD Trainee", Internship.
- ❖ **T. Vignesh**, "Symposium", Achieved 1st Place in the Competition.
- ❖ **Partha**, "IIT M-summer Camp".

Department of EIE

- ❖ **Manish Kumar, Manas Ranjan patel, Amit kumar**, "Anti-Sleep Alarm for Students", 1st Prize, 1500.
- ❖ **Kunnal Kishore** (Paper Presentation), "Global Positioning System", 1st Prize, 1500.
- ❖ **Rahul** (Paper Presentation), "Energy on Wheels", 3rd Prize, 300.

- ❖ **Vikas Kumar Pujapriety**, “Solar Powered Mobile Phones”, 2nd Prize, 750.

Department of MECHANICAL

- ❖ **Rubina Mahatab khan**, “GK Quiz contest”, Dr. M.G.R. Educational & Research Institute, University, Chennai, 2008, 1st Prize.
- ❖ **Rubina Mahatab khan**, “Throwball”, Dr. M.G.R. Educational & Research Institute, University, Chennai, 2008, 1st Prize.
- ❖ **Rubina Mahatab khan**, “Volley Ball”, Dr. M.G.R. Educational & Research Institute, University, Chennai, 2008, 1st Prize.
- ❖ **Jai Singh Hanjra**, “Elocution”, Velammal College, 2008, 1st Prize.
- ❖ Mechanical Engineering under graduate students has been participating in Sae Baja – A National Level event from 2008 onwards.
- ❖ In 2008 event our team stood 12th among the colleges participated in India.

Department of MCA

- ❖ **Pulak Kanti Bhuin**, “Gold Medalist in University Exam” May 2007.
- ❖ **Anamika Modak**, “Gold Medalist in University Exam” May 2008.

32. Activities of the Guidance and Counselling Unit:

The college imparts guidance and counselling to students through the academic and career counselling. Academic Counselling starts at the very first stage with the commencement of admission process. During the course of the academic session, regular monitoring of the students’ performance is done through internal periodic tests, class performance and assignments. The feedback from the various evaluation processes enables the teachers to counsel the students for improving their performance and guide them appropriately. Remedial and tutorial classes are also conducted for the weaker students. In addition to this, reports of the poor performance are sent to their parents, which help to improve the students’ academic performance and overall development. The teachers also take initiative to solve personal and emotional problems faced by some students on a one to one basis. If required, parents of those students are also advised to monitor their wards, to seek professional help.

Career Counselling primarily aims at conducting seminars and workshops through various professional bodies, institutions and companies. These sessions are highly interactive and students actively participate to clarify their doubts and gain new insights. These interactions with external institutions help the students in assessing the career opportunities and choosing their career path. The

students are also encouraged to go for vocational training in addition to their regular curriculum.

33. Placement services provided to students:

2007 – 2008 – Placement Report

S. No.	Company	Position	CTC Rs in lakhs	Eligible Dept
1.	Infosys	Software Engg.	2.75	All Engg.Depts
2.	Hexaware	Software Engg.	2.2	CSE, IT, MCA, ECE, EEE, ETC, EIE, ICE, Mech,Civil
3.	AIG Software Solutions	Software Engg.	2.2	CSE, IT, MCA, ECE, ETC, EEE
4.	Lion Bridge	Trainee Engg.	2.8	MECHANICAL
5.	Sutherland	Technical Support	1.8	All Depts
6.	HCL	Software Engg.	3.25	CSE, IT, MCA, ECE, EEE, ETC, EIE, ICE, BMI
7.	L&T	Software Engg.	3.5	CIVIL, Mech, EEE
8.	Caritor India Pvt Ltd	Software Engg.	3.2	ECE, CSE, EEE, IT, MECH, EIE
9.	Emphasis – EDS	Software Engg.	2.5	CSE, IT, ECE, EEE, MECH, EIE
10.	TCS	Software Engg.	1.95	CIVIL, ECE, EEE, CSE, IT, MECH, MCA, ICE
11.	Polaris	Software Engg.	2.8	ECE, EEE, CSE, IT, MCA, EIE
12.	CTS	Software Engg.	3.1	CSE, IT, ECE, EEE, MECH, EIE

34. Development programme for non-teaching staff:

Most of the non-teaching staff have been given the requisite training to preserve all data regarding admission, examination, college fees, staff salary, income tax, stock maintenance of office as well as laboratories etc. in computers.

35. Healthy practices of the institution:

First University in the Region to Introduce the Credit System of Evaluation

- ❖ Syllabi of all courses were drafted in 2003 , revised after the first batch in 2007 – constant up-gradation and revision of Syllabi
- ❖ IQAC (Internal Quality Assessment Cell) functioning with meetings held every three months
- ❖ Field Training specifically introduced as per NAAC Committee's suggestions Smart class rooms
- ❖ Irrespective of increase in student admissions, infrastructure, Faculty – Student ratio (1:14 or less) maintained
- ❖ Several Innovative Student projects – acclaimed by the Press!

Quality Initiatives Taken

- ❖ Dedicated Group for Quality Improvement Initiatives
- ❖ Documented Systems & Processes
- ❖ IQAC (as per NAAC), in place
- ❖ Continuous Improvement towards Excellence
- ❖ Adopting Industry Standard Models
- ❖ Industrial Training, *as part of Syllabi*
- ❖ Best Practices Management
- ❖ Benchmarking with chosen Indian and Global Players
- ❖ Collaborations with Foreign Universities for projects / twinning programmes

A number of faculty related initiatives introduced to improve the teaching - learning process

- ❖ Structured Induction & Training
- ❖ Faculty Development Programmes for Improved Teaching Effectiveness
- ❖ Large Number of Guest Lectures organized with Outside Experts from Industry
- ❖ Training Infrastructure for faculty
- ❖ Exposure in Industry and Academic Environment-Local and International
- ❖ Encourage sabbatical for Faculty to Industry to improve their relevance to them
- ❖ Introducing HR Best Practices for Teaching and Non-Teaching Staff
- ❖ Improving Retention of Key Faculty
- ❖ Improving Engagement with Staff to Improve / Sustain Morale
- ❖ Improve Compensation Structure for Faculty
- ❖ Performance and Rewards Management

Teaching Methodology

- ❖ A tutorial based teaching approach
- ❖ Students are given every opportunity to deliver seminars and taken for visits to Industries / other Institutes for better appreciation of the subject
- ❖ Field Training, as part of curricular, specifically introduced as per NAAC

committee's suggestions

- ❖ Discussions involving journal publications encouraged
- ❖ Stress on All-round Development of the Student and Students are exposed to many opportunities, to enhance their soft skills by attending Business English Courses
- ❖ Short Term Workshops / Conferences being Organized
- ❖ Large Number of Augmentation Programmes/Courses Organized

Part C: Explain the plans of the institution for the next year. Plan of Action 2008-2010

1. Diversification of Course.
2. Importance of teaching-learning process.
3. Innovation in Teaching Methodology
4. Assessment of Faculty
5. Update the library.
6. Automation of library books using Boan software sustained.
7. Subscription was planned Access of e-journal and e-books in the library came into effect for staff and students.
8. The national and international journals were subscribed.
9. Browsing internet was implemented in the central library.
10. Seminars to be held in all departments on a regular basis, following a schedule.
11. Remedial teaching to be incorporated in the college timetable on a regular basis.