

# **ANNUAL QUALITY ASSURANCE REPORT**

of

**SATHYABAMA UNIVERSITY  
FOR THE ACADEMIC YEAR 2008- 09**

Submitted by

**INTERNAL QUALITY ASSURANCE CELL (IQAC)**



**SATHYABAMA UNIVERSITY**

**(Established under Section 3 of UGC Act, 1956)**

**(A Christian Minority Institution)**

**Rajiv Gandhi Road**

**Chennai 600 119**

**Tamilnadu, INDIA**

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**Name of the Institution: SATHYABAMA UNIVERSITY**

**Year of report : 2008 - 2009**

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## **Part A**

### **The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year**

Sathyabama University has been constantly striving for the all round development of the personalities of its scholars by passing on faithfully the cultural, scientific, and technological experience of mankind accumulated over the centuries, and thereby ensuring the continuity and advancement of human civilization. Further it is striving to set itself in line with the institutions of excellence of parallel stature through appropriate linkage with a few centers of higher education and research in the national and international arenas.

Internal Quality Assurance Cell (IQAC) of Sathyabama University has made a significant progress, in internalizing and institutionalizing the quality enhancement policies with a conferment of autonomy in the last year. Encouraged by its efforts in creating quality consciousness among the faculty, it devised a plan for 2008-09.

The following were the main programs planned by IQAC in its meeting held on 25<sup>th</sup> June, 2008. The primary task of the IQAC is to monitor the progress made on the suggestions given by the IQAC members appointed by the university and to prepare status reports on various issues. The recommendations of these members are thoroughly discussed in the IQAC meetings and action plan based on the suggestion is prepared. The suggestions of IQAC are put before the academic/administrative bodies of the University for initiating further action. The decisions taken are being implemented for the sustenance and enhancement of quality. All the activities of the University are conducted with its vision, mission and objectives in mind: to form men and women who are intellectually alert, morally upright, religiously oriented, socially conscious, culturally distinct, and nationally integrated.

Sathyabama University continued to focus on the innovative and unique practices that add to its academic ambience stressing on the parameters underlined for the cause- Educational innovations, Working with specific mission and goals, Plan for University growth and Feedback for improvement of institutional functions.

The following are main areas on which IQAC of Sathyabama University, has concentrated on:

- ❖ **Academic activities**
- ❖ **Research Activities**
- ❖ **Administration**
- ❖ **Infrastructural facilities**
- ❖ **Co- curricular activities**
- ❖ **Extracurricular activities**
- ❖ **Sports**

### **ACADEMIC ACTIVITIES**

- To provide high quality education by introducing innovative courses which have good job potential and scope for advanced research.
- To create advanced facilities for teaching and training in each and every department, Internet usage would be encouraged to make the students to get access to on-line education and self learning and to develop creativity. Central facilities and training programmes for developing soft skills would be established.
- More number of bridge courses and vocational courses would also be offered to supplement the regular courses so as to enable the students to secure jobs soon after the completion of their courses.
- It is proposed to promote educational programmes in various disciplines both in UG and PG level with synergetic interaction with industry and society, and thus develop knowledge and skills of students to equip them to face the challenges and needs of the emerging knowledge society.
- It is planned to have increased intake for the core branches.
- The university is committed to empower the faculty, Research scholars and students with in depth knowledge and awareness of current developments. For that it is decided to conduct a number of international conferences on current topics of interest and areas of research by groups of departments, and hence contributing to the advancement of knowledge through research and publications which leads to knowledge products.

- It is planned to endeavor and update the quality of faculty members constantly in terms of academics and research and to encourage faculty members to generate resource by way of submitting research projects and undertaking consultancy and extension activities.
- It is planned to achieve international standards by acquiring advanced expertise in the area of teaching, training and research.
- It is proposed to modernize library facilities and to spend more money for purchase of new books and journals.
- It is planned to upgrade technology and computerization of different section.
- It is planned to show an upward trend in the publication of books and research papers.
- To ensure the students of Aeronautical Engg Branch, for developing their qualities towards the design, maintenance and development and manufacturing of various types of aircrafts.

## **RESEARCH ACTIVITIES**

- To develop collaborative academic and research programmes with National and International institutions and industries.
- The University has already developed good interaction with a number of institutions manifested in the conclusion of MoUs with several reputed institutes. In the pipeline are the MoUs with some more institutes for carrying out collaborative research and training programmes. Efforts would be made to procure research funding through industrial collaborations and other major research organizations like Dept. of Bio Technology, Dept. of Science and technology and so on.
- It has been planned to set up a Automated Test Engineering Laboratory (ATE Lab) in collaboration with QMax Test Equipments Pvt. Limited. This lab will be used for imparting training to Students, Professionals working in industries and research organizations. This lab also would be used to provide inplant training and for doing projects for students of our university.
- It has been proposed to set up a solar based Computer laboratory for our hostel and then it is planned to extend the same to the main computer labs also.

- A research proposal on Technology Business Incubator is submitted to Dept. of Science and Technology and it is under pipeline.

### **ADMINISTRATION**

- It has been planned to decentralize Arts, Science and Engineering branches for effective administration.
- It is also proposed to develop and implement a computer based Bio metric entry system for Staff and hostel students. And in due course , it is planned to introduce the same to all students.
- The e-Governance would be further strengthened in all sections of University administration and academic establishments for quick and efficient information exchange.

### **INFRASTRUCTURAL FACILITIES**

- To enhance the infrastructural facilities by creating Technology park
- Top priority would be accorded to the development of state-of-art laboratory facilities.
- Dept of Chemical Engg. is currently working on solar steam cooking system project sponsored by MNES & TEDA, Govt. of India. On the terrace of the mess hall, 110 solar concentrators are to be installed by the end of September 2008 for generating steam to serve 15000 people of our University. The cost of the project is Rs.1.13 crores.

### **CO- CURRICULAR ACTIVITIES**

- A number of international conferences on current topics of interest and areas of research by groups of departments are conducted in the last academic year in collaboration with research organizations. This year also, it is planned to conduct the same to promote the interest of research scholars and faculties.
- The University publishes many Biannual international journals in the field of Electronics, Mechanical and production, Bio Engg and so on. Four Bi-Annual International Journals were released in respective International Conferenes viz., Journal on Intelligent Electronic Systems (JIES), Journal on Applied Bio-Engineering (JAB), Journal on Design & Manufacturing Technologies (JDMT) & Journal on



Information Sciences & Computing (JISC). This academic year also, steps are taken for bringing out the different journals in the stipulated time.

- It has been planned to organize Faculty development programmes in collaboration with leading research organizations and industries.
- To promote the interest of our students, it is also proposed to conduct Dept. Symposium, in the national level.
- To motivate the students to appear GATE, GRE, TOFEL with good percentage for enhancing their career.

## **EXTRACURRICULAR ACTIVITIES**

- To give equal opportunity to women students in order to prepare them to be effective leaders, by way of organizing an exclusive women festival.
- In this connection, a women's festival "FEMFEST" was conducted by the University wherein the participants and organizers were only girls. It is for the girls students of other colleges and universities, organized by our university girls. Various cultural programmes and competitions were conducted and many participants from different colleges and universities participated. This festival was conducted in a grand fashion and this year also it is planned to conduct the same.
- It is proposed to conduct "UNIFEST" in either Regional level or All India level, which is organized by the Association of Indian Universities.

## **SPORTS**

- We have very good sports facilities in our University. In addition to that, we plan to have a fully fledged Volley ball court and basket ball court.
- We also propose to bring out a athletic track as per international standards.

And finally we wish to transform Sathyabama University into an institute of Excellence. In view of the major strengths of Sathyabama University in imparting quality education, good training, extension activities and innovative research programmes in variety of areas, the University has plans to establish Centers of Excellence in various emerging fields..

IQAC, in its onward march towards achieving the above mentioned in the action plan, introduced medications as and when necessary along with ongoing programmes. In the

process of phased implementation, the university was able to succeed in bringing qualitative changes in academic and administrative activities.

## **OUTCOME ACHIEVED DURING THE END OF THE YEAR 2008-2009**

### **• ACADEMIC ACTIVITIES**

- New innovative courses which have good job potential and scope for advanced research have been introduced.
- To create advanced facilities for teaching and training in each and every department, Internet usage would be encouraged to make the students to get access to on-line education and self learning and to develop creativity. Central facilities and training programmes for developing soft skills are established.
- More number of bridge courses and Foreign language courses like Japanese, German etc., is also be offered to supplement the regular courses so as to enable the students to secure jobs soon after the completion of their courses.
- To promote educational programmes in various disciplines both in UG and PG level with synergetic interaction with industry and society, and thus develop knowledge and skills of students to equip them to face the challenges and needs of the emerging knowledge society. New UG, PG courses were imitated in various disciplines. Some of them are, B.Sc(Avionics), B.Sc (Air Hostess), B.E (Automobile Engg), M.E(Embedded System Design), M.Tech (Nano Technology) etc.
- The intake for the core branches like CSE, ECE, Mechanical, Civil, EEE etc.,is increased.
- Two Industrial visits per semester for all the students arranged by all the departments to have constant interaction with the industry.
- The university is committed to empower the faculty, Research scholars and students with in depth knowledge and awareness of current developments. For that a number of international conferences are conducted on current topics of interest and areas of research by groups of departments, and hence contributing to the advancement of knowledge through research and publications which leads to knowledge products.

- The faculty members are encouraged to generate resource by way of submitting research projects and undertaking consultancy and extension activities.
- The library facilities are modernized computer entry system is introduced and more money is spent for purchase of new books and journals.
- It is clearly seen that there is an upward trend in the publication of books and research papers.
- Faculty development programs were conducted by various departments.. Faculty underwent training programs, attended seminars / workshops for strengthening their technical skills.
- In order to maintain the quality and standard of the system, examination reforms have been initiated. The University follows the conduction of continuous assessment tests to improve academic performance of the students.
- Syllabi are framed as per industrial requirements with the guidance from academic & industrial persons. New subjects were added to the curriculum and subjects are modified to suit the industrial needs.
- The departments strive to achieve good results in the university examinations through consistent and methodical coaching of the syllabus prescribed. As a measure to increase the number of students being placed through the campus, several extra-curricular programs such as, Personality development, Communication classes, Group discussion etc, were conducted. Students are encouraged to participate in the technical Meets and other competitive programs conducted across India. Research studies and project work by students are given due consideration to enhance their presentations and higher studies.

## **RESEARCH ACTIVITIES**

- Collaborative academic and research programmes with National and International institutions and industries were taken up. Research activities are undertaken from leading government funding agencies.
- The University has already developed good interaction with a number of institutions manifested in the conclusion of MoUs with several reputed institutes. In the pipeline are the MoUs with some more institutes for carrying out collaborative research and

training programmes. Efforts would be made to procure research funding through industrial collaborations and other major research organizations like Dept. of Bio Technology, Dept. of Science and technology and so on.

- Automated Test Engineering Laboratory (ATE Lab) is been set up in collaboration with QMax Test Equipments Pvt. Limited. This lab is used for imparting training to Students, Professionals working in industries and research organizations. This lab is also used to provide inplant training and for doing projects for students of our university.
- A research proposal on Technology Business Incubator is submitted to Dept. of Science and Technology and it is under pipeline.
- As a part of research and development work, many faculty members have registered for Ph.D

## **ADMINISTRATION**

- A computer based Bio metric entry system for Staff is developed and implemented. And in due course , it is planned to introduce the same to all students.
- The e-Governance would be further strengthened in all sections of University administration and academic establishments for quick and efficient information exchange.

## **INFRASTRUCTURAL FACILITIES**

- The infrastructural facilities are enhanced in all the departments and it is planned to create Technology park
- Top priority would be accorded to the development of state-of-art laboratory facilities.
- Dept of Chemical Engg. is currently working on solar steam cooking system project sponsored by MNES &TEDA, Govt. of India. On the terrace of the mess hall, 110 solar concentrators are to be installed by the end of September 2008 for generating steam to serve 15000 people of our University. The cost of the project is Rs.1.13 crores.

## **CO- CURRICULAR ACTIVITIES**

- One international conference was organized by faculties from groups of departments, called **ESSTA 2008** in association with Indian space research Organisation (ISRO), Bangalore.
- The University publishes many Biannual international journals in the field of Electronics, Mechanical and production, Bio Engg and so on. Four Bi-Annual International Journals were released in respective International Conferenes viz., Journal on Intelligent Electronic Systems (JIES), Journal on Applied Bio-Engineering (JAB), Journal on Design & Manufacturing Technologies (JDMT) & Journal on Information Sciences & Computing (JISC). This academic year also, four biannual international journals were published and were released in the International conference.
- Many Faculty development programmes were organized by the University, in collaboration with leading research organizations and industries.
- Dept. Symposium, in the national level, is conducted by all departments, to promote the interest of our students.
- Special training programs / guest lectures and personality development programs were arranged to all the students of different branches.
- Placement opportunities were enhanced and students were placed in various leading organizations.

## **EXTRACURRICULAR ACTIVITIES**

- To give equal opportunity to women students in order to prepare them to be effective leaders, by way of organizing an exclusive women festival.
- In this connection, a women's festival "FEMFEST" was conducted by the University wherein the participants and organizers were only girls. It is for the girls students of other colleges and universities, organized by our university girls. Various cultural programmes and competitions were conducted and many participants from different colleges and universities participated. This festival was conducted in a grand fashion and this year also it is planned to conduct the same.

- It is proposed to conduct “UNIFEST” in either Regional level or All India level, which is organized by the Association of Indian Universities.
- NCC / NSS and blood donation camps were arranged to encourage the students in the social welfare activities.

## **SPORTS**

- We have very good sports facilities in our University. In addition to that, we have a fully fledged Volley ball court and basket ball court.

## Part B

### 1. Activities reflecting the goals and objective of the University.

- ❖ The University has conducted one **International conference ESSTA 2008, Emerging Scenarios in Space Technology and applications**, has been successfully organized by the Departments of ECE/EEE/EIE/E&C/ETCE in association with Indian space research Organisation (ISRO), Bangalore. During November 12-14, 2008.
- ❖ Four Bi-Annual International Journals were released in International Conference viz., Journal on Intelligent Electronic Systems (JIES), Journal on Applied Bio-Engineering (JAB), Journal on Design & Manufacturing Technologies (JDMT) & Journal on Information Sciences & Computing (JISC).
- ❖ Syllabus up-gradation in line with industrial needs and emerging areas of current interest in Engineering & Technologies has been carried out.

Restructuring and introduction of new courses: The following aspects have been addressed while designing/redesigning new courses:

- Interdisciplinary approach
  - Credit based system
  - Introduction of need based modules
  - Encouraging cross disciplinary and cross faculty participation
  - Common instruction in all PG courses for common courses
  - Project work in industry
  - Guest faculty drawn from the industry
  - Global competitiveness
- ❖ The air-conditioned University Auditorium has been utilized for the conduct of International conference and Student/ Staff level Seminar/ Symposium and Conferences which is constructed with a capacity of more than 600 seats for the students, researchers and staff and set higher international standards in Professional, Scientific and R &D activities. It will also be a platform to encourage and inspire intellectual diversity and innovation.

- ❖ To enhance the capabilities in specific areas of design and development of electronic products, few students' projects have been identified and proposals for submission to various organizations for grant-in aid support are in progress.
- ❖ Rs. 4.5 Lakhs Biogas Plant Project, sponsored by MNES & TEDA, as additional infrastructure for the mess, supervised by chemical department has been completed.
- ❖ Rs. 1.13 Crores Solar Steam Cooking System Project, sponsored by MNES & TEDA as additional infrastructure for the mess, was also supervised by chemical department and expected to be completed within the next 6 months.
- ❖ Many faculty development programs & workshops were conducted by various departments.
- ❖ Students are encouraged to work on research oriented projects like urban design, green buildings, sustainable development etc.
- ❖ Students are motivated to participate at National level academic competitions regularly.
- ❖ Career development programs and personality development programs were organized for the benefit of prefinal year students in order to help them in campus recruitment.
- ❖ For familiarization with industrial environment industrial visits are arranged and students have undergone inplant training.
- ❖ Experts from the field of Engineering are invited for guest lecture.
- ❖ Students are encouraged to attend student level symposiums, seminars, national & international level conferences.
- ❖ Constant encouragement is given to the students for their sports activities.
- ❖ Staff and students are motivated to involve themselves in research oriented activities.
- ❖ The student level prize winners in paper presentation at symposium and conferences are given cash awards and certificates.
- ❖ Student are trained on the identified emerging areas to meet the challenges of Industry and R&D Institutes.
  - Visit to Council of Scientific and Industrial Organization (CSIO), National Thermal Power Corporation (NTPC) enabled students to understand the Measurement, Testing and Calibration procedures of various Process Control Instruments.



- In plant Training at the end of every semester to Industries like NTPC, BSNL, NLC, BHEL etc helps students to have an effective interaction with Industrial environment.
- ❖ Providing consultancy services to industries.
- ❖ Constant support is provided to the students from management and faculty to do the outstanding projects.
- ❖ Students of Dept of Bio technology have been recognized and selected to do projects in renowned research institutes like Central Leather Research Institute (CLRI) Chennai, Centre for Cell and Molecular Biology (CCMB) Hyderabad, IIT Delhi, Jawaharlal National Institute Delhi, Reliance Life Sciences Mumbai. Few students have also gone to do their final year project in Singapore and USA.
- ❖ Students of the Dept of Bio technology are regularly taken to various scientific industries in different places like Jain Irrigation (Jalgaon); NCL (Pune); Biocon, Genei (Bangalore); Pasteur Institute, Tea Estate; Sericulture (Ooty) to impart practical knowledge
- ❖ Research Support: The University promotes synergy between teaching and research, and encourages its faculty to undertake research and thus contribute to the advancement of knowledge. Several research projects have been started in the year 2007.
- ❖ Staff members are advised to undertake research projects from reputed research organizations and funding agencies such as DST, DRDO, ISRO, IGCAR etc.

## **2. New Academic Program initiated**

The following are the new courses started during the academic year 2008-2009

M.Tech. Nano Technology

B.E. Automobiles Engineering

B.Sc. Airhostess & Hospitality Management

## **3. Innovations in Curricular Design and Transaction**

The basic aim of the innovation in curricular design is to upgrade the standard of the syllabi so as to enhance the standard of the curriculum on par with the latest development in science and technology and also produce skilled engineer's pleasingly demand in industries for placement.

The following are the newly introduced innovations in curricular design.

1. Introduction of new elective and modification in experiments as staged in syllabi in consultation with leading industries.
2. Credit system has been introduced for all PG programmes. Cumulative Grade Point Average Calculation on a 10 scale basis has been introduced to describe the overall performance of a student from first semester to the last semester. As minimum requirement for award of P.G. degree, a student should have obtained a minimum of 5.0 CGPA.
3. One day in a week has been allotted in the timetable for M.Arch to have interaction with the industry
4. Japanese language has been introduced as an additional optional subject for UG(CSE & IT) students.
5. Department of Electronic Sciences has introduced Functional English to BSc. Students which is Practical Oriented.
6. A Scientific exhibition was held at Sathyabama University on March, 2008, best research findings of our students were exhibited (Technovation – 08).
7. Department of EIE provides new labs like Biomedical Instrumentation Laboratory, Digital Signal Processing, Instrumentation System Design Laboratory.
8. Soft Skills Training, Group Discussions and Power Point Presentations were conducted for the I Year students to improve the Communication Skills by the Department of English.
9. In Architecture Department, M.Arch students are asked to do one month training in the firms of Building services and submit a report at the end of the training as a part of their curriculum.

#### **4. Interdisciplinary Programs Started**

In order to enhance the knowledge of students where the application is required by interdisciplinary programs, various courses are organized at the University itself at various departments.

The following are the interdisciplinary courses started in the academic year 2007-2008.

<b>Sl.no</b>	<b>Department</b>	<b>Name of the Programs</b>	<b>Conducting</b>
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			<b>Department</b>
1	All Departments	C++, Java, J2EE, Visual Programming	IT
2	All Departments	Certificate Course in CAD Software	Mech & Prod
3	All Departments	Certificate Course in CNC Programming	Mech & Prod
4	Bio – Tech	French, German	Concerned Consulate
5	CSE,IT	Japanese	Japanese Consulate
6	Bio – Info	Applied Nanotechnology	Bio – Tech
7	Bio – Info	Tissue Graft Engineering	Bio – Tech
8	Bio – Info	Quantum Chemistry for III yr B.Tech	Chemistry
9	Bio – Info	Advanced Computer & Machine Learning	CSE
10	B.Ed	Physical science for B.Ed programme	Chemistry
11	B.Sc, Microbiology, Bio-Tech, Bio-chem	Fundamentals of Chemistry	Chemistry
12	MBA	Bachelor of Commerce (B.Com)	MBA
13	All Departments	Certificate Course in Multi Media	Vis.Com
14	Circuit Departments	Quiz Program	ECE
15	B. Ed	Work shops	English
16	All Engg Branches, MCA	Soft Skills training	English

## 5. Examination reforms implemented

The examination reforms implemented, during June 2008 – June 2009, are as follows:

1. It has been decided to put the results and marks of the candidates in university website after revaluation.
2. A separate software package is developed to collect department wise and course wise student's information and computerized hall tickets are issued to the students to avoid impersonation cases and also to reduce lot of manual work.

3. It has been decided to generate Electronic Data Processing system (EDP), at the examination cell, to generate computer based transcripts, hall tickets and other university certificates.

### **6.Candidates Qualified**

The following table shows the list of candidates qualified for GATE/CAT/GRE/SLET.

#### **NO OF CANDIDATES QUALIFIED IN GATE/NET/CAT/GRE/SLET**

<b>DEPARTMENT</b>	<b>NO OF CANDIDATES</b>	<b>TYPE OF EXAM</b>
IT	<b>20</b>	<b>GATE</b>
MECH	<b>2</b>	<b>GATE</b>
ECE	<b>1</b>	<b>GATE</b>
EIE	<b>9</b>	<b>GATE</b>
E & C	<b>2</b>	<b>GATE</b>
BIO-TECH	<b>4</b>	<b>NET</b>
MBA	<b>1</b>	<b>NET</b>
BIO-INFO	<b>7</b>	<b>GRE</b>
EIE	<b>4</b>	<b>GRE</b>
ETCE	<b>5</b>	<b>GRE</b>
ECE	<b>40</b>	<b>GRE</b>
EDUCATION(B.Ed)	<b>1</b>	<b>SLET</b>
EIE	<b>1</b>	<b>SNAP</b>
BIOINFO	<b>7</b>	<b>IELTS</b>

### **7.Initiative Towards Faculty Development Programmes**

The objective of introducing **Faculty Development programmes** is to conduct or encourage in attending training programmes for developing the knowledge of faculty members. The faculty members attended various faculty development programmes is given in **ANNEXURE I**.

### **8.Number Of Seminars & Workshops**

**ANNEXURE II** gives the details of the workshop/seminar conducted at our university during the year 2007-2008.

## 9. Research Projects:

### Completed funded projects

We have undertaken lot of funded projects from various R&D organizations.

The following table shows the list of completed funded projects:

Dept	Name	Sponsoring Agencies	Amount Sanctioned
IT	Data Monitoring using WAP	AICTE	Rs. 2 lakhs
	Hyper Lecture Hall	AICTE	Rs. 2 lakhs
	Location based services for emergency management	DST	Rs. 27,66,700
EIE	Development of Wavelet based tools & Neuro fuzzy control software for online weld monitoring thermal imaging	IGCAR	Rs. 4.92 lakhs
	Design & Development of Indigenous Teletector	IGCAR	Rs. 5.34 lakhs
	Study and Development of Algorithm for obstacle detection through 3D scene Generation from 2D images	DRDO	Rs.9.89 lakhs
	Study and Development of Thermal Image Processing Algorithm for Land Mine Detection	DRDO	Rs.9.52 lakhs
	PC based Real Time Energy Management Information System	AICTE TAPTEC	Rs.5 lakhs
	Modernization of Digital Image Processing Lab	AICTE MODROB	Rs. 7 lakhs
	Development of Digitization Protocols and application of Image Processing and Soft Computing Tools for Evaluation of Radiographic Weld Images	IGCAR	5.32 lakhs
Physics	Time domain dielectric spectroscopy studies on the	DST	Rs. 7.74 lakhs

	interaction of collagen with surfactants in aqueous solutions.		
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### Newly implemented projects

As we are completing the projects in time, the sponsoring agencies are very much interested in sanctioning new projects to our University. The following table shows the list of successfully proceeding and newly implemented projects:

Dept	Name	Sponsoring Agencies	Amount Sanctioned
IT	GIS based Web services for Emergency Management	DST	Rs. 22,90,800
ECE	Nano Satellite Project.	ISRO	
EIE	Cavitation Prediction in Pumps using wavelet analysis	IGCAR	8.81 lakhs
	Cavitation Detection In Pressure Drop Devices Based On Artificial Neural Network For Prototype Fast Breeder Reactor	IGCAR	6.46 lakhs
	Application of Advanced Signal Analysis Approaches for Enhanced Detectability of Defects in Thick Walled Weldments by Time of Flight Diffraction (ToFD) and Correlation with High Sensitivity Radiography and with Other Advanced NDE Techniques	BRNS	19.766 lakhs
	Design and development of MiniRobot	DRDO	Rs. 9.80 lakhs
	Development Of Data Fusion Algorithms for Accurate Sizing Of Components	IGCAR	
Bio-Medical	Vitro Study On The Bio-Toxicity Of Nano-Silver As Anti-Bacterial Material		Rs. 55, 90,800
Bio-		CBIRD	

Technology			
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### 10. Patents generated, if any

1. Mr. Rohan Krishnan of III year ETCE got the patent for his project “Smart Robots” in March 2007.
2. Prof. E. Logashanmugam, Dr. V. Kannan and Prof.S.Rajarajan of ECE Depart. have filed the patent for their work on “RFID Based Information System for the Visually Handicapped and Hearing Impaired Passengers in Railways”.
3. Dr. V. Kannan and Dr. P. E. Sankaranarayanan of ECE have filed patent for their project “MODFET Optical Detector”.

### 11. New collaborative research programmes:

- Setting of Advanced Electronic Test Engineering Lab in Collaboration with Q Max India Limited by the ECE Department.
- Two collaborative research projects in HIV are underway in Bio-Info department by Dr. D.Alex Anand in association with the premier HIV Research institution – “Y.R.Gaitonde Center for AIDS Research and Education”, Voluntary Health Services , Adyar, Chennai.

### 12. Research grants received from various agencies:

Dept	Name	Sponsoring Agencies	Amount Sanctioned
IT	GIS based Web services for Emergency	DST	Rs. 22,90,800
E&C	Design of Microcontroller based fast response electronics for eddy current flow meter	IGCAR, Kalpakkam	Rs. 7.86 lakhs
Chemical		UGC (AICTE)	Rs.6,00,000
		VSSC (ISRO)	Rs.3,64,000
		IGCAR	Rs.8,68,000
	Solar steam cooking system	TEDA	
Bio-Technology	Construction, characterization of microbial consortia capable of degrading azo dye containing effluent”		

### 13. Details of research scholars registered in the academic year 2008-2009:

The details of research scholars registered in the year 2008-09 are enclosed in the Annexure III.

### 14. Citation index of faculty members and impact factor:

The citation index of faculty members from various departments and the impact factor of the Journals in which they published their Research work for the period June 2007 to May 2008 are given as follows.

Sl.No	Name of the Faculty	Department	Details of Citation and Impact factor	Journal & Times Cited
1	A.Nageswara Rao, B.Siva Sankar and V.Sadasivam	CHEMISTRY	Kinetic Studies on the photocatalytic degradation of Direct Yellow 12 in the presence of ZnO catalyst,. IMPACT FACTOR: 2.707	Journal of Molecular Catalysis A: Chemical, Vol 306 (2009) p. 77-81
2	A.Nageswara Rao, B.Siva Sankar and V.Sadasivam	CHEMISTRY	Kinetic Study on the photocatalytic degradation of Salicylic acid using ZnO catalyst, IMPACT FACTOR: 2.337	Journal of Hazardous Materials, Vol 166 (2009) p. 1357-1361
3	S. Lathasree, N. Manoharan, V. Kavitha, C. Anand Babu and B.K. Sharma,	CHEMISTRY	A Review of Heterogeneous semiconductor photocatalysis of organic contaminants	International Journal on Applied Bioengineering, Vol 2 no.1 p.57-61.
4	J.Karthikeyan and A.Nityananda Shetty	CHEMISTRY	Determination of palladium using 2-thiobarbituric acid as a releasing agent, IMPACT FACTOR: 0.43	Indian Journal of Chemical Technology, Vol-15, March – 2008, p.186 – 189. (2008).
5	J.Karthikeyan and	CHEMISTRY	Indirect	Indian Journal of Chemical



	A.Nityananda Shetty,		complexometric determination of mercury(II) using 3-acetyl-2-thiohydantoin as a selective masking agent,. IMPACT FACTOR: 0.43	Technology, Vol – 15, September – 2008, 493 – 496
6	J.Karthikeyan and A.Nityananda Shetty	CHEMISTRY	One-step simple method for the determination of palladium using 3-acetyl-2-thiohydantoin as releasing agent, IMPACT FACTOR: 0.43	Indian Journal of Chemical Technology, Vol – 16, June – 2009
7	Sreekumar G, Bushra Husain and Soundarajan Krishnan,	CHEM	“Studies on Isolation, Characterization, Antimicrobial Susceptibility and Effect of Over-The-Counter Drugs on <i>Lactobacillus Acidophilus</i> ”,	<i>International Journal on Applied Bioengineering</i> , Vol. 1, No. 1, Dec. (2007) pp 61-65.
8	Prabhu S.M. and Soundarajan Krishnan	CHEM	“Non Linear Two-Dimensional Potential Based Study of Coupled Heat and Mass Transfer in a Porous Medium”, ,	<i>Microporous and Mesoporous Materials</i> , 95 (2006) pp. 241-247.
9	Prabhu S.M. and Soundarajan Krishnan	CHEM	“A Model for Heat and Mass Transport in Porous Media for High Heat Dissipation”,	<i>International Journal of Nano System Technology, Electrical Engineering and Electronics System</i> , Vol. 1, No.1, Jan-Jun (2008) pp. 51-55.

10	Prabhu S.M. and Soundarajan Krishnan	CHEM	“Mathematical Simulation of Flow and Heat Transport in Couette Flow of a Liquid Surrounded by a Porous Wall”,	<i>International Journal of Nano System Technology, Electrical Engineering and Electronics System</i> , Vol. 1, No.1, Jan-Jun (2008) pp. 57-64.
11	Prabhu S.M. and Soundarajan Krishnan	CHEM	“Analysis of Transport on a Insert Embedded in a Nano Porous Carbon Block”,	<i>International Journal of Nano System Technology, Electrical Engineering and Electronics System</i> , Vol. 1, No.1, Jan-Jun (2008) pp. 65-73.
12	Prabhu S.M. and Soundarajan Krishnan,	CHEM	“Design of Nanofiber Carbon based TPS (Thermal Protection System) for a Surface Recovery Vehicle”,	<i>International Journal of Nano System Technology, Electrical Engineering and Electronics System</i> , Vol. 1, No.1, Jan-Jun (2008) pp. 85-89.
13	Saravanan A, Brindha V, Manimekalai R and Soundarajan Krishnan,	CHEM	“An Evaluation of Chromium and Zinc Biosorption by a Sea Weed (Sargassum sp.) Under Optimized Conditions”,	<i>Indian Journal of Science and Technology</i> , Vol. 2, No. 1, Jan. (2009).
14	Rajha Amarnath D	CHEM	“Adsorption of Reactive Orange onto Gracilaria Species a Marine Algae: Batch Studies”,	<i>Asian Journal of Chemistry</i> , 2009.
15	Rajha Amarnath D and Padmesh T.V.N,	CHEM	“Biosorption of Reactive Dye by Gracilaria Verrucosa a Marine Algae: Batch Studies”,	<i>International Journal on Applied Bio Engineering</i> , 2009.
16	Rajha Amarnath D and Anandhi M.R.	CHEM	“Detoxication of Tannery Effluent by Biological Process”,	<i>Environmental Pollution Control Journal</i> , Vol. 12, No. 2,

17	Anitha A, Abbas Mohaideen and Dawn S.S,	CHEM	“Optimization 35-35% Internally and Externally Loaded CSTPA on SBA 15 Catalyst System for the Production of Bio Diesel from Waste Cooking Oil”,	<i>International Journal on Applied Bio Engineering</i> , Vol. 2, No. 1, (2009)
18	Dawn S.S, Anitha A, Vikash Kumar, Rajat Jain and Vivek Kumar,	CHEM	“Synthesis of SBA-15 and CsHPW for Trans-esterification for Bio Diesel Production”,	<i>International Journal on Applied Bio Engineering</i> , Vol. 1, No. 1, (2007).
19	Durga Jeevitha S and Annam Renita A	CHEM	“Removal of Pollutants Using Turbulent Bed Contactor”, ,	<i>Environment Science and Technology</i> , Feb. 2009.
20	Naveen Prasad, Jayakumar Perumal, Chang Hyung Choi, Chang Soo-Lee and Dong-Pyolum,	CHEM	“Generation of Monodisperse Inorganic-Organic Janus Microspheres in a Microfluidic Device”,	<i>Adv. Funct. Mater.</i> , Vol. 19, pp. 1656-1662, May (2009).
21	Chang-Hyung Choi, Naveen Prasad, Nae-Rym Lee and Chang Soo-Lee,	CHEM	“Investigation of Microchannel Wettability on the Formation of Droplets and Efficiency Mixing in Microfluidic Device”,	<i>Bio Chip Journal</i> , Vol. 2, No. 1, pp. 27-32, March (2008).
22	Kumaravel S,	CHEM	“Development of a Laboratory Unit to Fractionize Water TOC”,	<i>Particle Separation</i> , 2007.

23	Kumaravel S,	CHEM	“Minimization of Membrane Fouling”,	<i>German Water Industry-Water Technology</i> , August 2007.
24	Mr. Mahesh Ganesa Pillai	BIO TECH	(1.17, 1.3, 1.17, 2.34)	Drying Technology- An International Journal, Dec 2008
25	Dr. Karthick Raja	BIO TECH	(2.0, 0.8)	An International Journal of Protiens, systembiology, Sep, 20 08
26	Dr. M. Xavier Suresh	BIOINFO	Impact Factor-6.954 and 1.5	
27	Dr. D. Alex Anand	BIOINFO	Impact Factor-6	
28	Dr. Valli Nachiyar	BIO TECH	(0.745, 2.739, 1.969, 1.416, 0.745	
29	Dr. Valentin Bhimba	BIO TECH	0.5, 0.7	
30	Dr. Shilpa	BIO TECH	1.9	
31	Dr. Nandagopal	BIO TECH	0.3, 0.2	
32	Dr. Jayshree	BIO TECH	2.085, 2.085, 11.880, 8.657, 8.238	
33	Mr. Reji	BIO TECH	1.198, 1.198	

### 15. Honors and Awards to Faculty:

The University gives best teacher awards for the faculties who have excelled in their teaching and honours them with a Cash award & Memento. The awardees for the period June 2008 to May 2009 are given in ANNEXURE IV.

Sl.No	Staff Name	Department	Details of Honor / Award	Remarks
1	Dr. A. Nageswara Rao	CHEMISTRY	Reviewer for International Journals i) Catalysis communications ii) Journal of Molecular	

			Catalysis A: Chemical	
2	Dr. S. Lathasree	CHEMISTRY	Reviewer for International Journals i)Journal of Hazardous Materials Water, Air and Soil Pollution	
3	Mr.BSM.Augustine	AERO	Received Ph.D from Anna University, Chennai	
4	Ms.B.Sowmya	E&C	Own second prize in the conference KNICT'09 conducted by Crscent Engineering College.	
6	Mr. S. Ganesh	MATHS	Received Ph.D., Degree from Anna University, Chennai,.	
7	Dr. Valli Nachiyar	BIOTECH	Awarded a DBT project	
8	Mr. Mahesh Ganesa Pillai	BIOTECH	Received the 'Outstanding Young Chemical Engineer' award given by Indian Institute of Chemical Engineer	
9	Mr. B.N.Raju	MECH	Received Ph.D Degree.	
10	Mr. V. Elango	MECH	Received Ph.D Degree	
11	Prof.C.D.Suriyakala	ETCE	Received Ph.D Degree	
12	Ms.Nandhitha N.M	M.Sc	Received Best paper Award in ESSTA 2008 International conference organized by Sathyabama University	
13	Mr. S. KRISHNA KUMAR	BIOMED	Received Ph.D Degree.	

14	Mr. J. PREMKUMAR	BIOMED	Received Ph.D Degree	
15	Mr. A. GANESH KUMAR	BIOMED	Received Ph.D Degree.	
16	Dr M. Xavier Suresh	BIOINFO	Won the Best Poster award at the national conference “Conference on Genomics Proteomics and System Biology ’08” held at Bangalore at Sir MVIT with a cash award and a memento.	
17	Dr.E.Logashanmugam	ECE	Received Ph.D Degree	
18	Mr.Jegan.G	ECE	Won Best Paperp Award in The International Conference”ESSTA09”	
19	Ms.B.Vijayalakshmi	ECE	Won Best Paperp Award in The International Conference”ESSTA09”	

#### 16. Internal Resources Generated:

The resources generated by our staff members in various department for the period June 2007 to May 2008 are given as follows.

Sl.No	Dept.	Internal Resources Generated	Name of the Faculty	Remarks
1	EIE	Technical Stall exhibiting the Companies Products viz. Different types of Transducers, Pneumatic Control Valves, Controllers, Automation Software’s	Dr.B.Sheela rani	Rs.1,00,000/-
2	EIE	Revenue has been earned from ISOI, Students Chapter in association with Instruments Society of India(ISOI) Students Chapter for organizing Technical symposium	Dr.B.Sheela rani	Rs.5,000/-

3	EIE	Registration fee towards National level intensive workshop on “Modern Tools for Industrial Instrumentation” (16 <sup>th</sup> & 17 <sup>th</sup> February 2009) under the banner of ISOI chapter.	Dr.B.Sheela rani	Rs.22,000/-
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**17. Details of departments getting SAP/COSIST (ASSIST)/DST.FIST, etc. assistance / recognition:**

- IT Department has submitted a proposal to FIST in collaboration with CSE department.
- Department of bio-Technology will be getting the DBT assistance in this semester for the project entitled “Construction, characterization of microbial consortia capable of degrading azo dye containing effluent” by Dr. Valli Nachiyar.
- A project entitled “Studies on Molecular Mechanisms underlying the Organochlorine Pesticides induced neurodegeneration: Protective role of *Solanum trilobatum extract*; Nanovehicle based therapeutics” by Dr. Jayshree and Dr. Kanchana has been submitted in March 2009 to DBT by Department of Bio-Technology.

**18. Community services:**

The University continues to serve the community in different ways as it did in the previous years.

- The University offers FREE education in Engineering, Science and Management programmes at Sathyabama University for the poor, needy and Tsunami affected students
- University continues to provide financial assistance to 52 schools in Tamilnadu by way of paying salary to Higher Secondary Class teachers every month.
- University also takes care of the welfare of under mentioned weaker sections of the society throughout their LIFETIME by providing financial assistance
  - ❖ War widows - 120 no’s Rs.1000/- per month

- |                                  |            |                     |
|----------------------------------|------------|---------------------|
| ❖ 300 more widows                |            | Rs.500/- per month  |
| ❖ Tsunami affected widows        | - 250 no's | Rs.1000/- per month |
| ❖ 500 additional Tsunami victims |            | Rs.300/- per month  |
| ❖ Tamil scholar                  | - 100 no's | Rs.1000/- per month |
| ❖ Cine/TV Artist                 | - 250 no's | Rs.500/- per month  |
| ❖ Tamil writer                   | - 50 no's  | Rs. 500/-per month  |
- University continues to donate legal books and materials towards setting-up of a separate section named after him at Madras and Madurai High Court library.
  - University donated Computers and Books to schools, journalist colony library and police department along with training by trained personnel.
  - Two villages adopted in the Coastal area of Kanyakumari district which was severely affected by Tsunami and University offers full support in all aspects to the affected people.
  - Plumber, Electrician, T.V. Mechanic, Medical Laboratories assistant courses of one year for rural people are been arranged.
  - Presentation of computers to schools, police department and media is continued
  - Student's welfare is given focused attention.
  - Subsidized education for more than 100 students of Tsunami affected areas is been provided this year also.
  - Free education is provided to very poor students.
  - Sponsorship is given for intercollegiate and sports meet
  - Incentives are provided for winners of cultural and sports meet.
  - Every department continue to adopt 2 schools and imparts their subject knowledge to the students.
  - An MoU has been signed with Sri Ramachandra university to serve the village people in medical diagnosis using telemedicine
  - Our VRC centres at 14 villages of Tamilnadu offers courses like Plumbing, Electrician, nursing etc. at free of cost.
  - A mobile VRC unit is recently inaugurated to serve the rural masses.

### **A report on NSS activities**



Our University NSS unit functioned with great zeal throughout the year under the expert guidance of the NSS programme officers with just one motive service.

The NSS advisory committee meeting was held on July 1<sup>st</sup> 2008 at 11.000 A.M to evaluate the NSS activities and to check out a plan for the year 2008-2009. The meeting was attended by the **Vice Chancellor, Dr.V.S.R.K.Mouli, Dr.S.S Rau, Registrar, Thiru M.Rajamony, State youth officer and Dr.Chelladurai, SLO, Sathyabama University Programme coordinator-Dr.Rajha Amarnath D and NSS programme officers.**

26/6/08- International day on anti drug and illicit trafficking was held. Group discussion was held among the students. Three rounds were there and a cash prize for best speakers was awarded along with certificates.

11/7/08 – world population day was celebrated. Again group discussions were held on various topics related to population and best speakers were awarded certificates.

15/8/08- NSS volunteers were involved in parade.

The Enrollment of the new NSS volunteers was completed on 15<sup>th</sup> September 2008. The inaugural meeting of the NSS was held on 26<sup>th</sup> September 2008 with Dr.Rajha Amarnath D, NSS Coordinator. He gave an inspiring talk about the role of the student in National Service.

NSS programme officers meeting was organized by the Sathyabama University at university auditorium on October 1<sup>st</sup> to check out the action plan for the year 2008-2009.

Our units function effectively with various activities equally spaced. The volunteers were made to work in batches .The activities covered by different batch of students include free medical and eye check up for all university students.

The University organized a two day motivational cum leadership training programme to the NSS students from 7<sup>th</sup> – 9<sup>th</sup> Oct 2009.

As part of our regular activities the NSS volunteers paid regular visits to the Adyar Cancer Hospital, Adyar. Our management is sponsoring to the in-patients – 250 Modern bread packets, 250 mineral water bottle and 250 Lion dates every week on Wednesday.

Save our environment was yet another important aspect that our volunteers concentrated on. As a result large number of trees was planted in and around the university area. Totally of 470 saplings were planted in and around the university area on NSS day (i.e.)

on 24<sup>th</sup> Sep 2008 competition was conducted among NSS volunteers based on theme population control.

Breast cancer awareness programme and Tobacco awareness programme were organized in the university.

On 24<sup>th</sup> Feb 2009 blood donation camp along with YRC was conducted. The No. of blood units donated were 436 units male & female 320+116 =436. Campus activities like campus cleaning, orientation to new volunteers and lending a helping hand at all college functions were also part of our NSS activities.

### **NSS - SPECIAL CAMP**

Our special camp for 7 units were organized at our adopted villages for 7 days. Duration of the special day camp was from 23-02-09 to 01.03.09. The strength of the camp was 350 volunteers with seven programme officers. We had scheduled the camp activities in such a way that it gave them a feeling “A home away from home”. We made it as our routine start of the day with certain warming up exercise followed by tea.

#### **Places of special camp**

Padur,  
Padur thulakanatham theru  
Puthupakkam  
Puthupakkam- Echongodu  
Kanchipuram District

#### **Projects such as**

Tree plantation,  
Free medical camp,  
Eye camp-Agarwal Eye Hospital  
Cleaning the Temple surroundings

Awareness programmes on Rights and duties of voters, small savings and tobacco awareness with Adyar Cancer Hospitals were conducted. Sports activities among the school children were conducted. Prizes were also given to the winners. Our students brought out their hidden talents rightly by educating the mass by cultural activities. The public felt the importance of Role plays songs and dance.

Our girl student volunteers met the women folk of the villages and gave them the most useful information on healthy diet and emphasis on Small savings.

**Thus the NSS activities were aimed at the development of the personality of the students to train them towards responsible leadership.**

### **A Report On NCC Activities (Navy)**

#### **4(TN) Naval Technical Unit NCC**

National cadet corps (NCC) Naval wing 5<sup>th</sup> division, Sathyabama University, was started in 1993 and is functioning successfully under the excellent guidance of our Honorable Chancellor **Dr. JEPPIAAR M.A., B.L., Ph.D.** Our beloved Directors **Thriu.N.MARIE JOHNSON** and **Tmt. MARIEZEENA JOHNSON** are encouraging the activities of the NCC and our entire programs receive the able guidance from our Vice-Chancellor **Dr.V.S.K.Mouly Ph.D** and our NCC Officer **Lt. A.Joseph Arul Pragasam**. The strength of our NCC division is 50 cadets (3<sup>rd</sup> year Boys – 3, 2<sup>nd</sup> year Boys – 13, 1<sup>st</sup> year Boys – 20 and 1<sup>st</sup> year Girls – 14) with Cadet Captain Shibi.K.S. 20 parades are to be conducted every year, each parade consisting of 6 periods (4 hours). Petty Officers from 4(TN) Naval Technical Unit NCC are training and infusing great enthusiasm in our cadets. All our NCC programs are closely supervised by our Commanding Officer **Commander ABDUL WAHEED**.

## **NCC Activities planned for the period June to December 2008:**

1. To conduct **NCC parades** on all the Tuesdays with the support of Petty Officers from 4(TN) Naval Technical Unit NCC.
2. To mold the cadets for their “**B**” and “**C**” **certificate exams** which will be organized by NCC Directorate, Chennai.
3. To organize an Adventure activities like **Cycle Expedition** for our cadets from Sathyabama University to Kanyakumari about 1,000 Kms to create an awareness of Anti-Dowry among the public.
4. To make the necessary arrangement for our cadets to participate in the **Combined Annual Training Camp** this will be organized by 4 (TN) Naval Technical Unit NCC in the month of December 2008.
5. To make the necessary arrangement for our cadets to participate in the **Boat Pulling Activity** this will be organized by 4 (TN) Naval Technical Unit NCC.
6. To make the necessary arrangement for our cadets to participate in the **Short Range Firing** this will be organized by 4 (TN) Naval Technical Unit NCC.
7. To make the necessary arrangement for our cadets to participate in the Naval Visit of **INS RAJALI**, Naval Air Base, Arakoonam, this will be organized by 4 (TN) Naval Technical Unit NCC to collect more idea about Naval Aircraft Carriers, engine parts and Naval Air Communication Systems of Navy.
8. To organize **First Aid** classes for our cadets to do more good things for public.
9. To organize an **Anti-Dowry Pledge Campaign** near our University with the distribution of pamphlets to the public to create the awareness.

## **NCC Activities from June to December 2008:**

### **1. NCC Parade:**

All Tuesdays, our cadets have a NCC parade and theory classes at our University Campus conducted by our NCC Officer and Petty Officers from 4(TN) Naval Technical Unit NCC.

### **2. “B” & “C” Certificate Exam:**

NCC Officer and Petty Officers from 4(TN) Naval Technical Unit NCC have taken more effort to mold our cadets for their “B” and “C” certificate exam in all the regular and

special parade classes. Also 3 and 23 of our cadets have passed their “C” & “B” certificate examinations conducted by 4(TN) Naval Technical Unit NCC.

### **3. National Technical Camp:**

NCC Officer and 12 of our cadets have attended a Naval Technical Attachment Camp at **INS SHIVAJI**, Naval Engineering School, Lonawala, **INS VALSURA**, Jamnagar and **INS ANGRE**, Naval Dockyard, Mumbai from 29/05/08 to 14/06/08. This was an opportunity for our cadets to realize the Technical prospects in the Navy. Also they got an opportunity to visit the Naval Ships and Submarines. Our cadet secured very good position in various competitions.

#### **INS Shivaji & INS Angre**

<b>S.NO</b>	<b>NAME OF THE CADET</b>	<b>EVENT</b>	<b>POSITION</b>
1.	Venkatachalapathy.P I yr Mech - A	Best Cadet - Overall	First
		Firing	First
		Trekking	First
		Theory Exam	Second
		Cross County	Third
2.	Vikram Singaravel.M I yr Civil - B	Firing	Second

#### **INS Valsura & INS Angre**

<b>S.NO</b>	<b>NAME OF THE CADET</b>	<b>EVENT</b>	<b>POSITION</b>
1.	Prasanth Pallav I yr ECE- B	Snap Talk	First
		Cultural	First
		Best – Co-curricular	Second
		Firing	Third
2.	Akash Kumar Singh I yr E&C - A	Physical Efficiency Test	Second
		Cross County	Third
3.	Jones Bharathy .F I yr EEE - A	Firing	First
4.	Nitheesh Reddy.P I yr EEE - B	Firing	Second

### **4. Seminar on First Aid:**

All the cadets have undergone a FIRST AID course on 08/07/08 and 09/07/08 in our university. The theory and practical classes were taken by Ms. Subhashni and the First Aid certificates were issued by St.John Ambulance.

### **5. Cycle Expedition-2008:**

Cycle Expedition is a part of adventure training in NCC. Our NCC Officer; P.I. Staff and 16 cadets have participated in the Cycle Expedition-2008 highlighting the “**Anti-Dowry Awareness**” from Sathyabama University to Kanyakumari during the period from 06/08/08 to 20/08/08 (15 days) organized by Sathyabama University with the association of 4(TN) Naval Technical Unit NCC under the Leadership of **Lt. A. Joseph Arul Pragasam**. Our Honorable Chancellor **Dr. JEPPIAAR M.A., B.L., Ph.D.**, flagged it off from our university campus on 06/08/2008.

The cycle expedition was held from our university campus through mostly dowry affected places like Pondy, Chidambaram, Karikal, Nagapatinam, Pudukotai, Shivagangai, Arupukotai, Tirunalveli and Kanyakumari covering a distance of 1000 Kms in 15 days. All the cadets carried a placard on their cycle with the following slogans “Anti-Dowry Awareness, Aids Awareness, Save Water, World Peace, Environmental Protection, Oil Conservation, National Integration, Eye Donation, Child Labor”. Also they have performed an Anti-Dowry awareness skit in various places. The purpose of this cycle expedition is to develop the spirit of Adventure, Building Physical Stamina, Team Spirit and National Integrity among the cadets. They have gained a lot of experience with courage and enthusiasm.

#### **6. Leadership Seminar:**

Leadership training is the one of the main activity in our NCC. To improve their leadership character, our NCC Officer and all the cadets have attended the leadership seminar “Leadership Capsule & Business Administration” at Madras University on 25/08/08.

#### **7. Anti Dowry Pledge:**

All of our Cadets took an Anti Dowry pledge on 10/09/08 and have pledged to fight against dowries.

#### **8. Social Service:**

“Learn and serve for society” is the blood of NCC. 25 of our NCC cadets have participated in the “International Coastal Clean Up Day” at marina beach on 20/09/08. With the social service activity our cadets have proved that we are having NCC blood in their body.

#### **9. Visit to Naval Base:**

NCC Officer and all the NCC cadets have got chance to visit the **INS Rajali**, Naval Air Station, Arakkonam on 06/10/08 to 14/06/08. This is a very good opportunity to learn

more things about Naval Air Force and their function. Through this they got motivated to join in Armed Forces.

#### **10. Short Range Firing:**

NCC Officer and 50 of our the cadets have participated in the 2.02mm space firing held on 14/10/08 held at Air Force Station Firing Range, Tambaram.

#### **11. Awareness Rally:**

The best way to create awareness among public is rally. To insist peace among public, 10 of our NCC cadets have participated the awareness rally organized by confederation of Indian Industry, Youth Indian and Ministry of Human Resources with the motto “Fight Against Terrorism” on 04/12/2008 from Labour Statue to Light house in Beach road, Chennai

#### **12. Combined Annual Training Camp-2008:**

33 of our cadets have participated in the Combined Annual Training Camp-2008 successfully, which was conducted by 4(TN) Naval Technical Unit NCC under the Camp Commandant **Commander Abdul Waheed** between 22/12/08 and 31/12/08 at Jeppiaar Engineering College. It was a very useful camp for our cadets who helped them to develop their leadership, quality and punctuality. Our **Cadet Captain Shibi K.S** got the Best Cadet Award in this camp

#### **Future NCC Activities planned for the period January to May 2009:**

1. To conduct **NCC parades** on all the Tuesdays with the support of Petty Officers from 4(TN) Naval Technical Unit NCC.
2. To mold the cadets for their “**B**” and “**C**” **certificate exams** which will be organized by NCC Directorate, Chennai.
3. To make the necessary arrangement for our cadets to participate in the **Boat Pulling Activity** this will be organized by 4 (TN) Naval Technical Unit NCC.
4. To make the necessary arrangement for our cadets learn more things about **Rifle and Boat** through training.
5. To organize an Adventure actives like **Cycle Expedition, Marathon Race** for our cadets to create awareness among the public.
6. To organize an **Anti-Dowry Pledge Campaign** near our University with the distribution of pamphlets to the public to create the awareness.

## **NCC Activities from January to May 2009:**

### **1. NCC Parade:**

All Tuesdays, our cadets have a NCC parade and theory classes at our University Campus conducted by our NCC Officer and Petty Officers from 4(TN) Naval Technical Unit NCC.

### **2. “B” & “C” Certificate Exam:**

NCC Officer and Petty Officers from 4(TN) Naval Technical Unit NCC have taken more effort to mold our cadets for their “B” and “C” certificate exam in all the regular and special parade classes. Also 14 and 19 of our cadets have appeared their “C” & “B” certificate examination conducted by 4(TN) Naval Technical Unit NCC.

### **3. Marathon Race:**

The best way to create awareness among public is rally. To insist peace among public, 15 of our NCC cadets have participated the Marathon Race organized by NCC Directorate with the motto “NCC Awareness” on 15/02/2009 from Anna Square to Light house and back along Beach road, Chennai

### **4. Boat Pulling:**

NCC Officer and all the NCC cadets have participated in the boat-pulling event on 18/02/2009 held at Chennai Port. It was the real naval experience for the cadets to know the life of Navy.

### **5. Rifle Training:**

All the NCC cadets got the opportunity to learn more about rifle and boat through training in Anna University NCC Office on 17/02/2009.

### **6. Anti-Plastic Campaign:**

All of our cadets have participated in the anti-plastic campaign on 18/04/2009 at Chemencheri and our beloved Director **Thiru N.MARIE JOHNSON** inaugurated it. They have distributed the pamphlets to the public and explained about the good and bad things of plastic



### **Future NCC Activities planned for the period June to December 2009:**

10. To conduct **NCC parades** on all the Tuesdays with the support of Petty Officers from 4(TN) Naval Technical Unit NCC.
11. To mold the cadets for their **“B” and “C” certificate exams** which will be organized by NCC Directorate, Chennai.
12. To make the necessary arrangement for our cadets to participate in the **National Technical Attachment Camp-2009** at INS Valsara, Jam Nagar and ND Vizag, this will be organized by 4 (TN) Naval Technical Unit NCC.
13. To organize an Adventure activities like **Cycle Expedition** for our cadets from Sathyabama University to Kanyakumari about 1,000 Kms to create an awareness of Anti-Dowry among the public.
14. To make the necessary arrangement for our cadets to participate in the **Combined Annual Training Camp** this will be organized by 4 (TN) Naval Technical Unit NCC in the month of December 2009.
15. To make the necessary arrangement for our cadets to participate in the **Boat Pulling Activity** this will be organized by 4 (TN) Naval Technical Unit NCC.
16. To make the necessary arrangement for our cadets to participate in the **Short Range Firing** this will be organized by 4 (TN) Naval Technical Unit NCC.
17. To make the necessary arrangement for our cadets to participate in the Naval Visit of **INS RAJALI**, Naval Air Base, Arakoonam, this will be organized by 4 (TN) Naval Technical Unit NCC to collect more idea about Naval Aircraft Carriers, engine parts and Naval Air Communication Systems of Navy.
18. To organize **First Aid** classes for our cadets to do more good things for public.
19. To organize an **Anti-Dowry Pledge Campaign** near our University with the distribution of pamphlets to the public to create the awareness.

## **Air Wing NCC (Flying)**

**Prof. BSM Augustine** initiated to raise the Air Wing NCC (flying) in our University on **04 July 2007**. Consequently inspection was carried out by Commanding Officer of No.1 (TN) Air Wing NCC in our University for the suitability to raise the **Air Wing NCC**.

**On 22 Jul 2008** we got approval to raise Air Wing NCC in our University. Total allotment given to us was 50 cadets (35 Senior Division and 15 Senior Women). Prof. BSM Augustine was appointed as caretaker and **Mr.S.Kolanjiappan** was appointed as In-Charge for the NCC.

**On 19 September 2008** we raised Air Wing NCC in our University having strength of **35 SD and 15 SW**. List of Cadets is attached. There after every Tuesday evening from 1500hrs to 1630hrs practice parade was conducted regularly by Mr.S. Kolanjiappan In-Charge NCC.

**On 26<sup>th</sup> Jan 2009 Republic day** parade was conducted in front of Administration block in our University. Chief Guest for the parade was our Honorable **Chancellor Dr. Jeppiaar**. All 50 cadets appeared **'B' Certificate** examination conducted by Board of No.1 (TN) Air Wing NCC. All of them were cleared the examination and got the 'B' certificate.

Two guard of honour parades were conducted to give honour to the VVIPs. One Parade during the **Seminar** conducted by department of Aeronautical Engineering another one during **University Convocation** in the month **April 2009**.

**AIR WING NCC CADETS -SATHYABAMA UNIVERSTIY**

Sl.No	Service Number	Name	
1	39700/08	A.S.SIRAJ MUNEER	SD
2	39701/08	ABHIMANYU SINGH	SD
3	39702/08	GAURAV PARASHAR	SD
4	39703/08	DHILIPAN	SD
5	39704/08	ALBERT ZAVIER	SD
6	39705/08	GIRINATH.R	SD
7	39706/08	MARSHAL DAISON.B	SD
8	39707/08	NIRMAL IRUDHYA RUBAN	SD
9	39708/08	ROBIN.S	SD
10	39709/08	SANTHOSH.S	SD
11	39710/08	JEGAN.R	SD
12	39711/08	ANSHIUS FRANK	SD
13	39712/08	BRITO B	SD
14	39713/08	KARTHICK	SD
15	39714/08	MARIA ARUL JOSE.M	SD
16	39715/08	SANU JOSE	SD
17	39716/08	SELVAMURUGAN S	SD
18	39717/08	SRINIVASAN M	SD
19	39718/08	VINOTH P	SD
20	39719/08	ELAYA PALLAVAN K	SD
21	39720/08	SATHIYA RAJA J	SD
21	39721/08	CHARLES A	SD
23	39722/08	BIJESH CHIRAMEL	SD
24	39723/08	SIBIN NOEL	SD
25	39724/08	SHERIL S	SD
26	39725/08	ARAVIND M	SD
27	39726/08	ASHFAQ ALI Y	SD
28	39727/08	ALLWYN R V	SD
29	39728/08	CHINTALAPUDI HIRANMAI	SD
30	39729/08	ARUL JEGAN	SD
31	39730/08	LIVINGSTON ROYAN J	SD
32	39731/08	MANI SHANKAR K	SD
33	39732/08	SAHAYA DIVAHAR R	SD
34	39733/08	MOHAMED NALEER	SD
35	39834/08	KRISHNAN C G	SD
36	39821/08	NICHOLAS MARIA INDUJA C	SW
37	39822/08	NOPHINA LORETY R.S.	SW
38	39823/08	MANU SATHYA SUKUMAR	SW
39	39824/08	SARASWATHY K	SW
40	39825/08	MEERA NAIR	SW
41	39826/08	AMALA RANLA	SW
42	39827/08	APSARA BARBIN.S	SW
43	39828/08	ARUL JYOTHI	SW
44	39829/08	BABY JASMINE JENIFER	SW
45	39830/08	GEETHU.A	SW
46	39831/08	JENI ELFERIN.M.	SW
47	39832/08	MARY SHYNI.G	SW
48	39833/08	SAHAYA SANU SUBASHINI	SW
49	39834/08	SUJITHA.P	SW
50	39835/08	SUMITHRA.J	SW

## **Activities of Youth Red Cross**

Youth Red Cross (YRC) of Sathyabama University is functioning successfully under the excellent guidance of our honorable Chancellor **Dr.JEPPIAAR M.A., B.L., Ph.D.** Our Beloved directors **Thiru N.MARIE JOHNSON B.E.,MBA.(Ph.D)** and **Tmt. MARIAZEENA JOHNSON B.E.,MBA.(Ph.D)** are encouraging the activities of the YRC Programme.

Blood is a precious commodity; there is no substitute for this life saver. Blood transfusion is common in case of patients, women in child birth, genetic disorders etc., therefore our institution volunteers blood donation camp every year. For the **year 2008-09 registered volunteers were 2800** students who carry out YRC activities with concern and conviction, with determination and dedication, with enthusiasm and interest, and with vision and vigor to fulfill the aims of and bring laurels to our University and Society.

Our esteemed University was awarded **rolling shield** at the celebration of “**National Voluntary Blood Donation Day**” on 22.10.08 for arranging more number of blood donors to Red Cross Blood Bank for the year 2008-2009.

Blood donation camp was organized by Sathyabama University at open auditorium in association with YRC **on 24.02.09 for the year 2008-09** with efforts of our **University Coordinator K.Sivakumar**. Motivating speech by our **Director Sir Thiru N.MARIE JOHNSON** at the inauguration function invited many donors from our university. Our Director also rendered his helping hand to humanity by donating blood as the first donor for the day. The camp commenced at 9.30 am and went on till 5.30pm on 24.02.09 inviting 440 students as volunteers to serve the humanity as it is as appeasing hunger. YRC coordinator mentioned the importance of **June 14<sup>th</sup> World Blood Donors Day**.

**Mr.A.Anand Programme Officer of YRC** was deputed by our University to attend the **State Level Youth Red Cross Meet** at Madurai from 16<sup>th</sup> to 18<sup>th</sup> March 2009.

Our coordinator K.Sivakumar represented Sathyabama University at The YRC Coordinators and YRC District organizers meet held at its regional office Egmore on 18.04.09.

## 19. Teachers and officers newly recruited

The list of newly recruited teachers in various departments are given in ANNEXURE V.

## 20. Teaching - Non teaching staff ratio

The University always maintains Teaching – Non teaching staff ratio as 1:3.

## 21. Improvements in the library services:

### Central Library

Total No. of Library Books	:	163321
Department Library	:	110000
Central Library	:	53321

Total No. of Titles	:	31216
Department Library	:	7000
Central Library	:	24216

Total No. of e-Journals	:	1014
Total No. of e-books	:	1200
Total No. of Audio CD & Video CD	:	525
Total No. of Magazines (Print)	:	74
Total No. of Journals (Print)	:	91

### Collection:

Library has a collection of about 1.5 Lacs books and bound volumes of periodicals, 1200 e-Books, 525 Audio CD & Video CD, subscription to 1014 e-Journals, 91 Printed Journals and 74 Printed Magazines.

### Shelf Arrangement:

Books are processed by using AACR-II code for cataloguing and Dewey Decimal Classification. The Call Number in the OPAC helps in locating the books on the shelves.

### Eligibility to Borrow books:

The Library is primarily for the use of faculty, research scholars, students, and non-teaching employees of the University.

### Reference Services:

The Library maintains a separate reference collection consisting of fast finding tools. The reference books are not issued as a general policy and are referred within the library. The library provides the reprographic services in this section also.

Reference material not to be lent-out:

A) The following categories of book, journals etc. shall not be issued out of the library.

1. Books treated as Reference by the Library.
2. Rare books
3. Bound and unbound journals etc.
4. Theses

B) In special cases the Librarian at his discretion may issue a reference book for a short period.

Library Automation

- All the Library Activities [Acquisition, Circulation & Serial Control] are Computerized with Barcodes [Books & Membership Card]
- The library has fully computerized its most actively used collection, which is now available to users through OPAC (Online Public Access Catalogue) with network access across the campus-wide LAN.

OPAC (Online Public Access Catalogue):

The OPAC allows search by author, title, subject, call number, keywords, and Boolean search. The Call Number indicates the location of the book on the self. The computer catalogue, OPAC is extremely user-friendly and enables searches to be conducted with ease and speed.

An Advanced Search of the Central Library Database is now available through <http://sathyabamalib/opac>

➤ SOFTWARE

SOFTWARE USED	:	LIBGENIE
FRONT-END	:	VISUAL-BASIC
BACK-END	:	SQL Server

➤ HARDWARE

Member Search	:	3 Nos.
Library Automation	:	4 Nos.
Scanner	:	HP LAZER JET 1022
Barcode Scanner	:	Fuzzy Scan 4 Nos
Barcode Printer	:	1 No
Reprography	:	1 No
Franklin Machine	:	1 No
Lamination Machine	:	1 No

Digital Library and Online Access :

## DIGITAL LIBRARY PROJECT™@ VISION FOR BEST USE OF EDUCATIONAL RESOURCES

URL: <http://sathyabamalib:7070/library>

Sathyabama University Digital Library (UDL™) System an advanced version of Digital Library. This application supports uploading, searching and downloading of all types of digital media. UDL™ has an advanced version of Dynamic Search Engine. Every User can upload their personal limited number of files to Main Database. Best technology used for safety of these personal files.

### ➤ Main Features available in UDL™:

1. Uploading of any type of media file like PDF, documents, audio, video and others.
2. An advanced dynamic Search Engine.
3. There is no limit of number of files or bandwidth limit for downloading.
4. Any user can upload limited number of files to their personal folder.
5. All personal files have best security.
6. Direct link to Electronics Journals.
7. Research Paper collection.
8. Latest software is available for download.
9. Educational audio and video files are available here.
10. Project section has all the projects done by students and lot of other.

➤ Advanced Search Engine: UDL has a search engine which is backed by Ajax technology. user can search multiple type of files in a single key search. If internet browser used by user is Firefox then on home page user can search files with a fast speed.

### ➤ About Project:

Application: Web based Application

Platform Used: JAVA

Technology: J2ee (Ejb, Jsp, Servlets, Jdbc and others), Ajax and web technologies.

## THE JOURNALS AVAILABLE THROUGH OUR DIGITAL LIBRARY:

❖ The International Journals released by OUR UNIVERSITY

S.no.	Journal name
1.	International journal on Information sciences and computing
2.	Internation journal on Design and manufacturing technologies

3.	International journal on Intelligent electronic systems
4.	International journal on “applied bioengineering”

❖ The Proceedings released by OUR UNIVERSITY

S.no.	Proceedings name
1.	Proceedings of the international conference on “applied bioengineering”
2.	Proceedings of the international conference on “trends in intelligent electronic systems” vol-1
3.	Proceedings of the international conference on “trends in intelligent electronic systems” vol-2
4.	Proceedings of the international conference and exhibition on emerging challenges in design and manufacturing technologies vol-1
5.	Proceedings of the international conference and exhibition on emerging challenges in design and manufacturing technologies vol-2
6.	Proceedings of the international conference on “trendz in information sciences and computing” vol-1
7.	Proceedings of the international conference on “trendz in information sciences and computing” vol-2

❖ The Journals Subscribed through INDEST CONSORTIUM

- IEEE JOURNALS, IEEE Proceedings, IEEE Standards, IEEE Books, ASME Journals & ASCE Journals

Total No. of IEEE Online Journals	:	142
Total No. of ASME Online Journals	:	21
Total No. of ASCE Online Journals	:	30

❖ Springer Link e-Journals Subscribed through Springer

Total No. of Springer Online Journals	:	801
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❖ ICFAI e-Journals Subscribed through ICFAI UNIVERSITY PRESS

Total No. of ICFAI Online Journals	:	20
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❖ Extra Beneficiaries to our students by easy access:

- ✓ Audio CD
- ✓ Video CD
- ✓ e-Books
- ✓ Student Projects
- ✓ Question Bank.

COMPUTER FACILITIES AVAILABLE:

ENTIRE HARDWARE SETUP

Total No. of System	:	17 Nos.
FTP & WEB Server	:	1 No
e-Library Administrative Server	:	1 No
D –Link Switch [24 Port/100 Mbps]	:	1 No
Client Nodes	:	15 Nos.



- SERVER
  - Processors : Intel Xeon @ 3.6 Ghz 2MB Cache – 2 Nos.
  - RAM : 4 GB RAM
  - Hard Disk Drive : 1200 GB
  - DVD Ram : DVD Samsung Drive
  - Floppy Drive : 1.44 “
  - Raid Controller : ServRaid 6i + Ultra Raid Controller with 256 MB ECC Cache
- ADMINISTRATIVE SYSTEM
  - PROCESSORS : Intel Pentium IV @ 2.6 Ghz
  - RAM : 256 MB RAM
  - Hard Disk Drives : 80 GB
  - Monitor : 15” Color Monitor
  - Key Board : Standard 108 Keys
  - Mouse : Optical Scroll
- CLIENT SYSTEM
  - Processor : Intel Pentium iv@ 2.6 Ghz
  - RAM : 256 MB RAM
  - Hard Disk Drives : 80 GB
  - MONITOR : 15” Color Monitor
  - Key Board : Standard 108 Keys
  - Mouse : Optical Scroll
- HARDWARE
  - SWITCH : DLINK [24 PORT]
  - INTERNET : 1Mbps
  - LAN Type : IEEE 802.3
  - HEADSET : 15 Nos
  - SPEAKER : Creative 2.1
- SYSTEM CONFIGURATION
  - Processor : P-IV @ 350 NVUX
  - RAM : 256 MB RAM
  - Hard Disk : 80 G.B. HDD
  - DVD ROM : DVD Samsung Drive
  - Floppy Drive : 1 of 1.44”

OUR STRENGTH:

- Suggestions for the purchase of new books, periodicals and news papers will be made in writing in separate registers maintained for this purpose in Library.
- Self Sufficiency :
  - Cutting Machine
  - Pressing Machine
  - Bar Code Printer And Scanner
  - Membership Card for Students

- Envelop Dispatch
- Photocopier

Institutional Membership :

- British Council Library - Chennai
- IIT Library – Chennai
- MALIBNET – Chennai

List of journals are given in ANNEXURE VI

**Department Library**

CSE	Fully automated Central library and Department Library
IT	Automation of our Department Library. Usage of Bar Codes in Department Library. Providing Extra Books for Rank Holders. Separate Library In charge for Department Library. Issuing all the books to the students for all the subjects.
CIVIL	Automated of the Central Library E journals for accessing journals No. of Titles : 175 Total Cost : Rs. 10,92,404
MECH & PROD	800 number of new books have been purchased All the books are bar coded. Issue and receipt of books are computerized. E- Library for accessing journals
ECE	E-Library facility is provided. Facility to access IEEE, SPIE and other international journals Computerization of Department Library Book stock & student book issue.
EEE	E-library facility is provided Facility to access IEEE and many other international journals Computerization of Department library services.
BIO INFORMATICS	Computerization of the library stock book and issue book for the students. (ii) The text books purchased by the department has been updated, to fulfill the requirements of the department.

CHEMICAL	<ul style="list-style-type: none"> <li>DEPARTMENT LIBRARY No. of Books : 3950 Total Cost : Rs. 11,15,000/-</li> <li>NO. OF JOURNALS SUBSCRIBED International : 6 National : 18 Total Cost : 3505 /-</li> </ul>
BIO MED	Computerization of library entries New books purchase Separate library room
PHYSICS	In addition to the existing 96 books, a list of around 29 books were purchased for the reference of staff and research scholars during this year in the field of Engineering Physics, Atomic and Nuclear Physics, Electronics, Bio-Physics, Bio- medical Instrumentation, Optics, Acoustics, Mechanics and Theoretical Physics. A total of 125 books worth around Rs.37, 746/- is available in our department library.
MSC	Completely Computerized
ETCE	Fully computerized library with bar code access to all books.
MECH	<ul style="list-style-type: none"> <li>Library periods are added in the II nd year time table.</li> <li>To improve the efficiency of library services LIBGENIE software worth Rs 1 lakh is purchased and used effectively.</li> <li>The Department library is fully computerized and all transactions are done through LIBGENIE Software.</li> <li>A library in charge for each batch of students was given task of looking after needs of students.</li> </ul>
BIO TECH	<ul style="list-style-type: none"> <li>Library is made accessible to students any time during the working hours</li> <li>All books in the stock is made into a soft copy</li> <li>Students are given books for almost all the subjects</li> <li>Books are issued at the beginning of each semester after they are ensured of no dues</li> <li>Separate reference section is maintained</li> </ul>
MCA	New library books were added in both even semesters and odd semesters for the Department Library. Additional books were

	recommended to the Central Library.
EIE	Digital storage databases of projects that have been successfully completed by the students of earlier batches have been created in the Department Library for reference.
E&C	<ul style="list-style-type: none"> <li>• All books are bar coded.</li> <li>• Issue and receipt of books are computerized.</li> <li>• New books are purchased.</li> </ul>

## 22. New books/ journals subscribed and their values

Department	Titles	Volume	Value in Rupees
CSE	22	1020	2,50,000
IT	18	1363	5,00,000
Civil			1,05,515
MECH & PROD			1,00,000
BIO INFOMATICS	3	39	50,000
CHEMICAL		1410	4,10,487
BIO MED		110	24,073
ETCE	21	2096	5,48,061
MECH	Upto '09 638	10067	27,61,405
BIO TECH		356	
MCA			4,00,000
EIE	20	913	1,52,531
E&C	29	1741	4,75,000
AERO		1100	

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

CSE	Feedback from student is taken for all the courses. Based on the feed back corrective measures are taken.
IT	<p>II Year : Digital Signal Processing:</p> <ul style="list-style-type: none"> <li>• Feedback from students:</li> </ul> <p>Subject is fully problem Oriented and difficult to follow.</p>

	<ul style="list-style-type: none"> <li>• Action Taken:</li> <li>• Staff member has been advised to solve more problems and make them to understand the problems easily.</li> <li>• Special classes were conducted for weak students.</li> <li>• Extra class tests were conducted and extra care was given on a personal basis to weak students.</li> </ul>
CIVIL	Feedback from student is taken for all the courses. Special class were conducted for students.
ECE	Assessment: It is a regular practice for all the subjects. If the syllabus is vast then extra hours will be allotted. Students Feedback: Syllabus has to be updated; they need more Computer related papers- that will be Implemented in the next Revision.
EEE	It is a regular practice for all the subjects and subsequent action has been taken.
BIO INFORMATICS	It is a regular practice in the University. Extra hours will be allotted for subjects with vast syllabus.
CHEMICAL	Feedback is taken from the students for all the courses in the undergraduate level (U.G.) and postgraduate level ( P.G.) by the management and the head of the department. Teachers with poor feedback from the students are likely to be warned/questioned.
BIO MED	In the field of “Computer in Medicine”, the course on “Theory of Psychology” which is elective course for final year student. On the basis of the student interest, the staffs have been made to attend training on this topic (two weeks) in Ramachandra Medical College (MOU). The results from the student were good.
MSC	Management & Dept takes the feedback of academic & Non Academic activities at the starting & end of the semester. Corrections if any are done immediately.
ETCE	Management and Department take the feedback of academic and non-academic activities at the starting and end of the semester. Corrections if any are done immediately.
MECH	Head of the department visits all the classes and takes written feedback from the students about the staff for all the subjects.

BIO TECH	Feedbacks were collected regularly from students on the teachers' performance and the teachers were informed about their positive and negative points. Suggestions were given; if needed, extra hours are provided for that particular paper
EIE	As an action plan (being carried out regularly) <ul style="list-style-type: none"> <li>• Newly recruited teachers undergo Orientation training programme conducted within the University.</li> <li>• All the teachers and technicians undergo training program/ workshop conducted by various Universities to update themselves for the current trends in curriculum</li> </ul>
E&C	Feedback is taken from students regarding the subjects as well as general issues. The feedback is given back to the respective teachers for their Self Introspection & Improvement. Necessary action is taken for feedback about general issues.

#### **24. Unit Cost of Education**

The average amount of money spent by the University on every student is, i.e., Unit cost of Education is Rs. 62,500.

#### **25. Computerization of administration and the process of admission, examination results and issue of certificates**

1. Many of the administrative activities are computerized (salary etc).
2. Introduction of single identity cards for students and faculty to be used in college and library.
3. For admission and other activities, manual tabulation was dispensed with and in its place computerized tabulation for all the courses is introduced.
4. Results and marks of the candidates are placed on the university website, for ready perusal by the students.
5. Degree certificate printing, holograms and laminations are all done in the university examination cell itself.
6. It is planned to introduce 2D bar code reader software for reading the bar code put up in the degree. The corresponding will be put up in the university website so as to

facilitate the companies and foreign embassies to check the genuineness of the document provided by students.

## **26. Increase in the infrastructural facilities:**

### **CIVIL**

1. Established Structural Engineering Lab
2. New Computer Laboratory

### **MECH & PROD**

New machines are purchased for CAD/CAM lab and Machine shop lab. TIG and MIG welding machines have been purchased

### **ECE**

- 1) New Advanced Electronics Testing Lab with the latest testing equipment and high end Systems measuring 2000 sq.ft is established.
- 2) Nano simulation lab for M.Tech Nano students established.

### **EEE**

Not applicable

### **BIO INFOMATICS**

Additional computers with 32 terminals for students and a cluster server with 32 computing nodes is being planned and is on the verge of completion.

### **CHEMICAL**

There are 10 Pentium-IV Computers in the Dept. of which ChemCAD Software can be accessed from 5 systems (5 User Perpetual License obtained from M/s. Axiom). Experimental setup for carrying out research work in Turbulent bed contactor and Two Disc and Doughnut Columns have been fabricated which need to be installed.

### **BIO MED**

We established New Microprocessor & Microcontroller Lab for III year BME students with 30 PC's, 10- 8085 kit, 10- 8086 kit, 10 – 8051 Microcontroller kit and its Interfacing peripherals as Keyboard, Display, traffic signal, Stepper motor etc.,

### **PHYSICS**

Equipments for about Rs. 4,69,240 /- have been purchased for the Physics laboratory during the academic year 2008 - 2009. The following are the equipments purchased from United scientific company and Kavin enterprises.

S.No.	Description	No. of items purchased
1	Torsional pendulum full set up Dia 3" 10 cms	4
2	Lee's disc of full set up without heater	9
3	Optical fiber full set	7
4	Quincke's Apparatus (Full set)	2
5	Quincke's "U" tube	7
6	Ultrasonic interferometer connecting cable (Black)	5
7	Hall Effect setup:	02
8	Copper voltammeters – Full set	10
9	Traveling Microscope (WESWOX)	2
10	Non Uniform Bending-Young's Modulus full set	12
11	Digital Balance (0.001 Accuracy) Up to 50 gms	1
12	Reading lens	25
13	Semiconductor diode for band gap	20
14	Semiconductor diode for band gap Apparatus full set up	4
15	Hot plate	12
16	Ultrasonic interferometer full set	2
17	Torsional pendulum (0.5dia)(10 m ) (String wire)	10mts
18	Reading lens with torch light	10
19	Screw gauge	10
20	Ferricchloride solution( $FeCl_3$ )(500ml)	500ml
21	Screw driver small size	2
22	Screw driver big size	2
23	Tester	2
24	Two pin plug	10
25	Three pin plug	5
26	Thermometer $110^{\circ}C$ (mercury yellow colour)	5
27	Hollow prism 38X38X38 mm(Liquid prism)	15
28	Drier	2
29	Hysteresis connecting cables	16
30	Air Wedge Glass Plate set	10



## BIO TECH

Have purchased gradient PCR, pH meter and Distillation Unit

## EIE

All the teachers and technicians underwent training program/ workshop conducted by various Universities to update themselves for the current trends in curriculum.

S.No	Name of the staff	Programme	Duration	Venue
1.	<b>TEACHING</b> R.Karthikeyan K.Sujatha R.Ramadevi J.Jaiganesh D.Marshiana	Distributed Control System Concepts and Real Time Application	Jan 22 <sup>nd</sup> , 23 <sup>rd</sup> , 2009	Sathyabama University
2.	L.V.Revathi N.R.Krishnamoorthy	Orientation Program On Distance Education	Feb 5 <sup>th</sup> , 6 <sup>th</sup> , 2009	Sathyabama University

## AERO

### Facilities in Structures Lab

- Computerised Universal Testing Machine - 100 Tonne Capacity
- Combined torsion and bending apparatus
- Photo elastic apparatus
- Column testing apparatus
- Shear flow in open & closed section.
- Unsymmetrical bending apparatus
- Wagner beam

### Facilities in Aero Engine Lab

- Four cylinder Lycoming Engine
- Turbo Jet Engine

### Facilities in Avionics Lab

- Digital Electronics Kit - 12 nos
- Microprocessor Kit -12nos

### Facilities in Aircraft Propulsion Lab

- Free conversion apparatus
- Forced conversion apparatus

### Facilities in Aircraft systems Lab

- Cessna -152 aircraft
- Wiper aircraft

## **27. Technology Upgradation:**

### **CSE**

All the nodes are replaced with the new configuration which is given bellow

- (i) Processor - Pentium Core 2 duo
- (ii) Speed - 1.80 GHz
- (iii) RAM - 512 MB
- (iv) Hard Disk - 80GB

### **IT**

All the nodes are upgraded with NetBeans, ASP Map, WebSphere.

- i) Processor - Dual Core
- (ii) Speed - 2.80 GHz
- (iii) RAM - 512 MB
- (iv) Hard Disk - 80GB

### **E&C**

For measurements lab Wireless Sensor Network has been purchased. Four new printers are bought for Computer lab. Electronics lab has been upgraded with new CROs, Multimeters and other equipments for a total cost of Rs.2.5 lakhs.

### **CHEM**

New courses like Computer-aided Process Plant Design and Drawing Lab, and Process Modeling, Simulation and Optimization have been introduced in the undergraduate level to suit industrial and societal needs.

New courses like Computer-aided Environmental Plant Drawing Lab, and Disaster Management have been introduced in the postgraduate level to suit industrial and societal needs.

Department Library has been Computerized.

Latest Softwares like ChemCAD, AutoCAD, FLUENT, etc. are available for the Students, Research Scholars and Staff.

### **BIOINFO**

New software for the Molecular Modeling Laboratory has been proposed for upgradation.

### **BIOMED**

We established New Microprocessor & Microcontroller Lab for III year BME students with 30 PC's, 10- 8085 kit, 10- 8086 kit, 10 – 8051 Microcontroller kit and its Interfacing peripherals as Keyboard, Display, traffic signal, Stepper motor etc.,

#### **MBA**

- SPSS .16
- TALLY 9 version

## **28. Computer and Internet Facility:**

Internet access is provided to all staff members for encouraging the research activities. After college timing hostel students can access internet in hostel lab or in I year computer lab upto 8pm for study purpose.

## **29. Financial Aid to Students:**

20. The university gives financial and free education to the economically weaker students and tsunami affected students and students recommended by the social welfare organization. This academic year, 650 students were benefited by this and are provided free education.

21. University awards cash prizes and certificates to class toppers from each department and allows them to take additional books from central library.

## **30. Activities and support from Alumni Association :**

- We conduct Alumni meet every year. Periodically we call our alumni students for giving Guest talk on special topics.
- Alumni will deliver lecture to our student regarding campus interview and higher studies every year .
- Students were asked questions and the Alumni students shared their experience during interactive sessions
- The updated information helps us to motivate the present students to enlighten their carrier.
- 

### **CSE**

(i) Mr. Sartaj Ahmed [passed out 2008] conducted an workshop on Emerging paradigms in Network Security to III year and Final year CSE students

(ii). Mr. Pravin Jeyakumar [passed out in 1995] working in CTS as Senior Software Engineer came as judge for our department symposium Tecnocrazy08 for the event Project exhibition on 2<sup>nd</sup> September 2008.

### **31. Parents Teachers Association:**

#### **PARENTS MEET**

- Parents of students having arrears in three or more subjects were asked to meet the faculties and the HOD regularly and further his /her performance will be monitored and communications will be sent to the parents periodically.
- Parents can meet the student counselors /Student coordinators at any time and discuss about the improvement of their ward.
- Parents can also meet the Head of the Department any time during college hours if they require any special attention for their wards.

#### **FEEDBACK**

Feedbacks were constantly taken from the parents to evaluate the bus facilities, mess and ward's improvement. The parents were also informed of their ward's marks, attendance and cash award intimation for toppers.

The activities that we have carried out regarding the parents-Teachers association include

- Personal care on which weak students by the parents and teachers
- Proposal for special class after class work
- Tutorial classes conducted for problematic subjects.
- Advising to the students to do yoga, meditation to improve the concentration on studies.

### **32. Health Services:**

1. In our university, there are separate health centers for boys, girls and staffs. Moreover, clinical facilities are possible for 24 hrs especially to the hostellers.
2. The university clinic is equipped with fridge, analyzer, centrifugal pump, hot air incubator, etc.
3. Medical record of each and every student is maintained in the university properly.
4. Rest room is available separately for boys and girls for the students those who are not feeling well. University students can check their periodic health for free of cost.
5. As a full fledged Biomedical laboratory is functioning in our department, any emergency of diagnosing procedures for the vitals (ECG, Pulse, Respiration Rate, Heart Rate) could be met and given necessary suggestion by the in-house Doctor.

6. National Service Scheme (NSS) organize Blood Donation Programme once in every semester.
7. The NSS cell has a proposal to conduct monthly medical camp for the benefit of the students and as well as near by village people.
8. Apart from this, a Blood group database is maintained by NSS wing. Whenever there is an emergency, requiring a particular blood group is intimated. The students and staff who are willing to donate their blood are motivated.

### **33. Performance in Sports Activities**

Each Department has an individual sports incharge for the Boys and Girls separately. The University has got excellent sports facilities and a coach for each outdoor game. The university physical director along with his subordinates, coordinates the sports team of various indoor & outdoor games constituted by the students of different disciplines. Our students participated in various tournaments at State and National levels and gave meritorious performance.





Dept	Name of the students	Event	Status	
ECE	Mr.K.Ranjith	Inter University Basket Ball Tournament, Sathyabama University	Participation	
	Mr.Rikin Pethani	All India Inter University Basket Ball Tournament, Sathyabama University.	Participation	
EIE	Dasharathi Pani(III Yr)	Cricket, Volley Ball, Badminton, KIIT,Bhuvanesar	Participation	
	Dasharathi Pani(III Yr)	Chess,Carrom, Bijupattnaik,Bhuvanesar	Participation	
	Prabha.S(II Yr-B Sec)	Relay, Vellore Institute of Technology	II	
EEE	A.Ritz	Foot Ball	CMC Vellore	Runner
			VIT Vellore	Winner
			YMCA Chennai	Winner
			Pushpam Arts & Science College Thanjore	Runner
Mech & Production	Vignesh Narendran Jamson Youngten	State level Competitions		
Bio-Info	Sujeeth Kumar	Badminton, Sastra University, Christian Medical College, Tamilnadu Inter College Sports (TIES), Jeppiar Educational Trust Sports (JETS)	Participation	
BBA & B.Com	Bopanna PN	Basket Ball, IIT Chennai (All India Level),Kottayam – Kerala,Poondi-Thanjavur(State level), St Joseph-Chennai, Vada Madurai-Tamil Nadu Club, Kuttikaram-Kerala(All India Club),VIT-Vellore(State	Winner	

		level), SRM University- Chennai(State level),Hindusthan University-Chennai(State level), Salem(State level), Pattiverampatti, Ernakulam-Kerala(All India Level).	
	Madhukannan RR	Basket Ball, IIT Chennai (All India Level), Poondi- Thanjavur(State level), St Joseph-Trichy, St Joseph-Chennai, Vada Madurai-Tamil Nadu Club, Kuttikaram-Kerala(All India Club), VIT-Vellore(State level), SRM University-Chennai(State level), Salem(State level), Pattiverampatti, Ernakulam-Kerala(All India Club),Secundrabad(All India Level).	Winner
	Binu Raj	Foot Ball, CFA(Tamil Nadu Club), VIT(Inter College), YMCA(Inter College),Pattabiram-chennai(Inter College),Salem(Inter College).	Winner
	Ram Kumar	Basket Ball, IIT Chennai (All India Level),Kottayam – Kerala, St Joseph-Chennai, Vada Madurai-Tamil Nadu Club, Kuttikaram-Kerala(All India Club), VIT-Vellore(State level), SRM University-Chennai(State level),Hindusthan University-Chennai(State level), Salem(State level), Pattiverampatti, Ernakulam-Kerala(All India Club) Secundrabad(All India Level).	Winner
	Gowtham Raj	Basket Ball, IIT Chennai (All India Level), St Joseph- Trichy, Kottayam – Kerala,Poondi-Thanjavur(State level), Hindusthan University-Chennai(State level).	Winner
	Rajesh	Foot Ball, CFA(Tamil Nadu Club), VIT(Inter College), YMCA(Inter College),Pattabiram-chennai(Inter College),Salem(Inter College).	Winner
MBA		Basket ball, JETS Tournament, Hindustan University, VIT –Vellore, St.Josephs College Trichy, Loyola College - Hyderabad, CMC – Vellore, IIT –Madras, All India University Meet	Winners
		Foot-ball, Hindustan University, SNGC Coimbatore, Chennai Association League, Pondipushpam College Tanjore.	Runners
		Foot Ball, VIT Vellore, YMCA, Pondicherry State League	Winners

### 34. Incentives to out standing sports persons:

- We encourage the sports personalities by giving several incentives. Outstanding sport persons are permitted to pay 50% of their tuition fees.
- On Achievers Day celebration, outstanding sports persons are encouraged and honored with cash awards and mementos and also we provide free boarding and lodging.
- The sports students are encouraged for higher studies with exemption from all fees paid to the university. Outstanding sports persons are encouraged and honoured with cash awards and mementos
- Some Sportspersons (students in the university team) are given free education and free accommodation in the hostel. Special coaching classes are arranged for the problematic subjects.
- Students with outstanding sports performance are encouraged to participate in regional and national events according to University provision
- The university is also giving cash awards. To mention a few, the students below have received the cash awards:

<b>Name</b>	<b>Cash award</b>	<b>Prize</b>
Bopanna P.N – III B.Com (Basket ball)	<ul style="list-style-type: none"><li>• Rs 35,000/- For Winning All India Inter University Tournament</li><li>• Rs 1,500/- For Winning 4 Consecutive All India Tournaments</li></ul>	<ul style="list-style-type: none"><li>• Sport Shoes Worth 7,500/-</li><li>• Individual Championship Award</li><li>• Best Player In All India Level By IIT Madras</li></ul>
Vinoth – III BBA A (Volley ball)	<ul style="list-style-type: none"><li>• Rs 35,000/- For Winning All India Inter University Tournament</li></ul>	

### 35. Students achievements and awards

- The University awards the top 5 students who excelled in academics with merit certificate and gift voucher of Rs.500 each semester to motivate them. The University also organizes achiever's day for the students who have been placed. All the departments continuously encourage the students to participate in various seminars, symposiums and conferences to get updated with recent technologies available.



- The Best Project out of three Departments (CSE, IT, MCA Dept.) “ A STUDY OF MAZE SOLVING ALGORITHMS AND THEIR OPTIMIZATION FOR USE ON MICROCONTROLLED CASE STUDY MICROMOUSE “ was won by Jitaditya Kumar, a student of IT department during the Technical Exhibition “Technovation–2009” conducted at Sathyabama University. He received a merit certificate and cash prize of Rs. 10,000/-
- Overall toppers, current semester toppers and subject toppers are awarded with cash prize and merit certificates.
- M.Kaiser Shagul Hameed of Electronic Sciences Department was secured 5<sup>th</sup> place in National level essay writing held by NGO on 15<sup>th</sup> August 2008
- Antony Vayagula Zimson of Mechanical Dept.- A state volleyball player has played for 2 national level tournament , 2 university tournaments, 2 ties tournaments and one junior level nationals.
- J. Paul Robinson of Mechanical Dept - has played football for a ties representing the university.
- P.Prashanth of Mechanical Dept - Has attended 2work shops namely “Recent developments in Entrepreneurship” in Sathyabama university, “Emerging techniques in Automation” in PSG college Coimbatore, he has been in the NCC and attended the NTC camp, and a cycle rally, won the 2<sup>nd</sup> price in quiz in a national level symposium conducted by Mamallan Institute of technology. And also doing a Dual degree in CSE.
- Shibi K.S of Mechanical Dept, was the CC of the NCC naval unit, has attended 2 NTC camps, 2ATC camps, and 2 cycle rallies.
- Vignesh of Mechanical Dept - has presented a paper on the topic, Recent trends in automation, in a symposium conducted by Kumaresan polytechnic Thiruvanamalai.
- Thulaseedharan and Sasi kumar of Mechanical Dept has attended a work shop on “Emerging techniques in aautomation”
- Annamalai and Mahha Prabhbhu Raaja of Mechanical Dept won the second place in the CAD designing competition in a national level symposium conducted by Jeppiar engineering college,
- Danish De Mello , Madhana Gopal, Venkatachalapathy and Darius of Mechanical Dept are in NCC and have attened Naval camps namely, ATC, NTC.
- S.R. Nataraja shankaran of Mechanical Dept has played for the university, in kabadi tourney,
- Shyam dharmarajan, of Mechanical Dept has won the first place in shot put and discuss, in a atheletic meet conducted by St, Joseph college of engineering.
- Students from Mechanical and Production Department received certificate from City winner for world cyber games 2007

- Students from Mechanical and Production Department received Certificate received from MECO Motor Sports Pvt Ltd (Certificate of Race car driving) on 2<sup>nd</sup> to 4<sup>th</sup> Jan 2009
- Mr.Vanjinathan & Mr.Balaji of Civil Department participated in Bending Moment 2008 conducted by ETHOS INDIA,Banglore.
- Mr.Siva Raj & Mr.Abijit Ragava of Civil Department presented a paper titled SMART BUILDINGS in the technical symposium conducted by Mahendra Engg College,Namakkal.
- MR.K.Manimurugan, Mr.G.S.Mathana gopala Krishnan & Mr.P.A.Vignesh of Civil Department presented a paper titled STRUCTURE ON LUNAR BASE at VIT University,Vellore.
- Mr. Zafar Abdul Zalil of Chemical Department(batch 2005-2009) was awarded a cash prize of Rs. 5000 for the Best Project in Chemical Engineering during the Technical Exhibition “Technovation–2009” conducted at Sathyabama University.
- Ms. Lissa Rachel and Mr. Calvin of Bio-Technology Department have been awarded the Best Project Award from “Technovation 2009) – a project exhibition held for final year projects of Biotechnology, Bioinformatics and Biomedical Departments
- Ms. Sheeba Verma of Bio-Technology Department has won the first prize in state level oratorical contest
- Ms. Anupreethi and Ms. Sushma & Ms Jayashree of Bio-Technology Department have secured first prize in Paper and Poster presentation respectively in the National conference conducted at SRM University
- Mr. Parameswar, Mr. Dinesh and Mr. Nikhil of Bio-Technology Department have won the second prize in the seminar conducted by Vivekanda College
- Rajalakshmi received the Best Project Award from “Technovation 2009” - a project exhibition held for final year projects of the Bioinformatics, Biotechnology, Biomedical and Chemical Engineering Departments.
- Harish Chander of Bio-Informatics Department has been selected for the oral presentation titled “HIV Protease Inhibitor Resistance Prediction by using Linear Support Vector Machine” made at World WABT Forum 2008held in Rome, Italy.
- Alex Mathew and (iii) Nixon Raj of Bio-Informatics Department were selected to present the paper titled, “Insilico docking studies on anti-cancer drugs for breast cancer” at the conference, IACSIT 2009 held at Singapore.
- Sai Sandeep of Bio-Informatics Department has been awarded a Special Prize on his participation in the culturals of Madras Medical College for Mimicry.
- P.I.V. Naganjan of Bio-Medical Department was awarded best project for the year 2009 with a cash reward of rs.10000/- among five departments for the project entitled “Staircase climbing wheel chair”
- Kalanithi award was bagged by Ms. Archana narayanan of Bio-Medical Department for securing first rank in Sathyabama university in the department of biomedical

- engineering for the year 2009.
- The Class Toppers, Subject Toppers and overall Toppers in the Semester Exams were given cash prizes and certificates for their academic performance.
  - Economic Test for the students was conducted by Scientific Research Association for Economics & Finance in February 2009 at Sathyabama University Premises. Miss S. Archana, II B.Com., was awarded University Topper Prize.
  - Mr Nitin - I BBA A presented a paper in the event of Paper Presentation conducted by Hindustan College of Arts and Science. He was awarded first prize. Students from Viscom Department have won First place in National Film Festival for Best PSA:
    1. REELIVE Awards(Loyola College)
    2. ASAN Video Awards(Asan Memorial College)
  - Jaya Murugan P, II MCA student presented the paper entitled “Hardware Design for Elliptic Curve Cryptosystem” in the National Conference NCCN’09.
  - Jeevan Deep Prakash, A Ayub Khan, II MCA students presented the paper entitled “A resumable asynchronous Web Services using callback pattern” in the National Conference NCCN’09.
  - Karthik. K, Karthick.K, II MCA students presented the paper entitled “A proposed model of Byzantine fault tolerant for asynchronous web services” in the National Conference RTWT’09

### **36. Activities of the guidance and counseling unit**

#### **i) Counseling for higher studies**

##### **ADVISORY BUREAU FOR HIGHER STUDIES**

Advisory Bureau for Higher Studies was started to guide those students who are aspiring for Higher Education and enable students to prepare for examination like the **GATE, GRE, GMATE, TOEFL.**

**Regular Seminars** are conducted to keep in touch with the recent trends in the Higher education scenario by resource persons from United States Education Foundation in India (USEFI) – a part of U.S. Embassy, U.K. Consulate, Professors from Foreign Universities.

List of seminars conducted during this academic year from June 2008 onwards:

- Two members from **USEFI**, Ms. Carly Shane -International Enrollment Manager, Office of International Programs & Services, Dr. Winston Erevelles – Dean, School

- of Engineering, Mathematics and Science, Robert Morris University conducted a seminar on June 13, 2008. As this is only for final year students who are interested to study Abroad.
- **Career Launcher** conducted a “**Orientation Seminar to Cat 2009**” on July 25, 2008 for all third year students. This will give the information to CAT09 On-line/off-line and other MBA entrance tests in India.
  - **The Princeton Review, Chennai** conducted a seminar on July 30, 2008 for all third year students who wanted to prepare themselves for GRE, GMAT Entrance tests.
  - A seminar was conducted by **The Chopras Consultants Pvt Ltd, Chennai** on August 6, 2008 for pre final year students, to provide them guidelines for choosing the right course and also the opportunities in U.K. and other countries.
  - A MoU between **Sathyabama University** and **University of Teesside, UK** was signed on 16<sup>th</sup> August 2008.
  - Career Guidance Seminar for all the III year students was conducted by **IMS Learning Resources Pvt. Ltd., Chennai** on 22<sup>nd</sup> August 2008.
  - A seminar on Orientation to “International Youth Fellowship” in KOREA was conducted by IYF for all the II and III year students on 27<sup>th</sup> August 2008.
  - An orientation programme on “Spoken Japanese Language” for I year students was conducted by **ABK-AOTS DOSOKAI, Chennai** on 20<sup>th</sup> September 2008 at University Auditorium.
  - **Career Launcher** conducted on The Great Leadership Hunt - Tycoon 2009 for all the II and III year students on 10<sup>th</sup> February 2009.
  - **USIEF** co-ordinator Ms. Viyalakshmi., **US consulate, Chennai**, made presentation on Engineering Education in US on 23<sup>rd</sup> February 2009.
  - **USIEF** co-ordinator Ms. Viyalakshmi., **US consulate, Chennai**, gave a speech on Fulbright Fellowships in US for doing M.S, Ph.D and PDF for all the teaching staff members on 23<sup>rd</sup> February 2009.
  - A seminar was conducted on **Engineering Education** in US and UK by **Brain Storm Consultants, India** on March 5, 2009 for third year students and highlighted on Engineering Careers in Australia.

**JAPANESE** language classes – “First Level” are conducted for First year students who are interested in the Spoken Japanese. A total of 35 students are attending the class during week ends. This helps them in their admissions at various foreign universities.

**Quantitative Aptitude & Analytical Reasoning Training** classes are conducted regularly for U.G and P.G. students at our University Campus. This course is intended to train students for performing well in Campus Interviews. This course is being handled by our own Maths faculty.

**Personality Development** Workshops are also conducted throughout the year for final year, and pre-final year students with eminent resource persons to train our students in various areas like Group Discussions, attending Interviews, Communication Skills, Interpersonal Skills, etc. The above training helped around 75% of students in getting suitable placements in various top notch companies.

### **Activities and Guidance of the counseling unit**

One counselor is appointed for every 20 students. Counsel the weak students for better improvement and interaction with students periodically to improve the academic performance. Student counselor motivates the weak students. Special classes and tests are conducted. Guidance for higher studies, projects, improvement of communication skills are given to the students. The counselor meets the parents with their ward and counseling is given to them to improve their performance.

“**Career Development Program**” is conducted by inviting leading personalities from various Industries. Mock-interviews, Group Discussions, Aptitude test are being conducted. This helps them to face the interview and to initiate their personal career successfully in the existing competitive environment.

### **ACTIVITIES OF COUNSELORS**

- ❖ Every counselor is allotted with 20 students. Their marks, attendance and performance are constantly monitored. Incase of arrears the reason for poor

performance is documented and is intimated to their parents periodically. They are also counseled and special coaching classes are arranged.

- ❖ The counseling cell also gives guidance for higher studies.
- ❖ Project based guidelines are given to the students by the department staff members.
- ❖ The counselors collect feedback from the teaching staffs about the students.
- ❖ Result analysis of the student's performance in internal assessments and semester exams are maintained.

### **37. Placement & Training**

The University has a full-fledged Placement cell, which monitors the employment opportunities and arranges campus interviews for the final year students. Our Campus recruitment program starts in the month of June i.e as soon as the Pre-Final semester starts. We are very glad to say that 843 students have been already placed in this academic year(2008-09) as on 26.06.2009.

The following is the list of Recent Recruiters of our Students:

- |                               |                              |
|-------------------------------|------------------------------|
| ◆ Alstom                      | ◆ Alfor Systems              |
| ◆ American Express            | ◆ Ashok Leyland              |
| ◆ Asian Paints                | ◆ Arvind Remedies            |
| ◆ Apsara Innovations          | ◆ Appolo Tyres               |
| ◆ BirlaSoft Technologies      | ◆ Brakes India               |
| ◆ Blue Star Air-Conditioners  | ◆ Bio Pharma                 |
| ◆ CADS Software               | ◆ Caritor India Pvt Ltd      |
| ◆ Cater Pillar                | ◆ CareerNet                  |
| ◆ CitiCorp                    | ◆ Cetex Petro Chemicals      |
| ◆ Convergys                   | ◆ Caliber financial services |
| ◆ Caliber Point               | ◆ CSC                        |
| ◆ Citibank                    | ◆ Covansys                   |
| ◆ Crompton Greaves Ltd        | ◆ DELL                       |
| ◆ Donfoss Industries Pvt. Ltd | ◆ Deutch Bank                |
| ◆ DSL                         | ◆ Doshion Infotech           |
| ◆ Easy Solutions              | ◆ EDS                        |
| ◆ eFunds                      | ◆ ESSAR                      |

- ◆ Emphasis
- ◆ Eurothem Del Pvt Ltd
- ◆ FutureSoft
- ◆ Godrej
- ◆ GRO
- ◆ Hanil Lear
- ◆ HCL
- ◆ HCL Comnet
- ◆ Hindustan Motors
- ◆ Indian Express Group
- ◆ Jain Housing Ltd
- ◆ Jeppiaar Steels
- ◆ ICICI – NRI Cell
- ◆ ICICI Prudential
- ◆ iGate
- ◆ iFlex
- ◆ Indian Express
- ◆ India Bulls
- ◆ India Pistons
- ◆ Kotak Investments
- ◆ Mascon Global Ltd
- ◆ Malladi Inc
- ◆ Microsoft
- ◆ Naukri
- ◆ Nucleus Software Technologies
- ◆ Office Tigers
- ◆ Polaris
- ◆ Protech
- ◆ RANE Engines
- ◆ Orchid Chemicals
- ◆ Saipem
- ◆ Satyam Computers
- ◆ SCM Microsystems
- ◆ Sify
- ◆ ELGI Equipments
- ◆ Fortis
- ◆ Four Systems
- ◆ Grammer IT Solutions
- ◆ GTL
- ◆ Haweltt Packart
- ◆ HCL Peripherals
- ◆ Hexaware Technologies
- ◆ Hyundai Motor
- ◆ iSoft
- ◆ Job Excell
- ◆ Jeppiaar Technologies
- ◆ ICICI Direct
- ◆ IDEA
- ◆ IBM
- ◆ iNautix
- ◆ Infosys
- ◆ IndiaMart
- ◆ Indus Ind Bank
- ◆ Larsen & Tourbo     ◆ LnT Infotech
- ◆ Mahindra & Mahindra
- ◆ MRF             ◆ MBT
- ◆ Mindtree Consultancies
- ◆ Nittany
- ◆ Oracle
- ◆ Patni
- ◆ Photon Infotech
- ◆ Quintegra
- ◆ ORBI Tech
- ◆ SPIC
- ◆ Sanmar
- ◆ Sasken Communications
- ◆ Siemens India
- ◆ Slash Support

- ◆ Sonata Software
- ◆ Sun Pharma
- ◆ Syntel India
- ◆ Tata AutoComp
- ◆ Titan
- ◆ Tata Elaxi
- ◆ Trans Healthcare
- ◆ TVS Motors
- ◆ V A Tech
- ◆ Way2Wealth
- ◆ Wipro Spectramind
- ◆ Sobha Developers
- ◆ SCM Microsystems
- ◆ Tata Chemicals
- ◆ TCS
- ◆ Torry Harris
- ◆ Thirumali Chemicals
- ◆ TVS Electronics
- ◆ US Technologies
- ◆ VirtUSA
- ◆ Wipro Technologies
- ◆ Xansa Technologies

The On Campus recruitment program keeps continuing till the end of their final semester, after that we will be helping our students by arranging Off-Campus Interviews also.

We do not encourage the students, those who are placed through campus selection in some companies to attend the further interviews. Our management is having a strong policy decision not to encourage the companies doing Education & Training activities to attract the students in the name of placement orders, by insisting them to do some course in their organization by paying money.

**PLACEMENT 2008-09**

**Total No. of students placed: 837**

**Sathyabama University signed a MOU with Infosys, Wipro, TCS and Satyam for the purpose of enriching the Technical Education process and to jointly work for enriching the quality of Education imparted to students of all the Engineering disciplines in the field of Information Technology**

**PERSONALITY DEVELOPMENT PROGRAMMES**



Our **Placement and Training Cell** offering **Career Development Program** for the students who are raring to enter the corporate world and introduce them to the prospective employers according to their aspirations and background. The Training programs have been formulated after a through analysis of unique requirement of various companies as the required skills will vary according to the company's requirement. We impart this training program with the help of reputed training Institutes. They enable our students to gain a competitive edge in the recruitment process, groom their confidence and develop their personality. The training modules will be formulated to improve our students' skills like:

Presentation Skills	Listening Skills
Interpersonal Skills	Personal Grooming
Brain Strain	Apty Reach
Speed Mathematics	Logical Reasoning
Inference	Deciphering the Matrix
Verbal Reasoning	Situational Conversation
Team Building	Creativity
Group Discussion	Time Management.
Planning & Goal Setting	Sentence Construction

We have conducted the following Training program for our students as per the following schedule:

Sl.#	Dept	Training Division	Period
1	AERO	C-Cat	22.09.08 to 27.09.08
2	BBA & B.Com	Smart Training Resources	11.08.08 to 16.08.08
3	BIOINFO	C-Cat	29.09.08 to 05.10.08
4	BIOMED	C-Cat	15.09.08 to 20.09.08
5	BIOTECH	C-Cat	29.09.08 to 05.10.08
6	CHEM	C-Cat	29.09.08 to 05.10.08
7	CIVIL	C-Cat	22.09.08 to 27.09.08
8	CSE	C-Cat	22.09.08 to 27.09.08

9	E&C	C-Cat	22.09.08 to 27.09.08
10	ECE	C-Cat	15.09.08 to 20.09.08
11	EEE	C-Cat	29.09.08 to 05.10.08
12	EIE	C-Cat	22.09.08 to 27.09.08
13	Electronic Sciences	Smart Training Resources	11.08.08 to 16.08.08
14	ETCE	C-Cat	22.09.08 to 27.09.08
15	IT	C-Cat	22.09.08 to 27.09.08
16	MBA	Productivity Reach, Blue Lotus	18.08.08 to 30.08.08
17	MCA	C-Cat	04.08.08 to 09.08.08
18	MECH	C-Cat	29.09.08 to 05.10.08
19	MECH& PROD	C-Cat	29.09.08 to 05.10.08

### **OTHER TRAINING ACTIVITIES :**

- ▲ **Performance Achievement Complimenting Training (PACT)** used to be conducted for the toppers in each semester Examination.
  
- ▲ Regular **Seminars** are conducted to keep in touch with the recent trends in the Higher education scenario by resource persons from United States Educational Foundation in India (USEFI) - a part of U.S. Embassy, U.K. Consulate, Professors from Foreign Universities and our Alumni who have done Higher Studies and employed in India and Abroad.
  
- ▲ GRE/MBA Entrance exam training has been started for pre-final year degree students, from February 2005. This is being conducted under the expert guidance of an experienced to face various Common Entrance Examination for MBA, GRE, GMAT and also help them in performing well in campus interviews. This course has been extended for second year students also from the academic year 2005 - 06, based on request from the students.
  
- ▲ German language classes - “First Level” are conducted for pre-final year & IInd year U.G. Students. A total of 85 students are attending in two batches. The students are given Merit Certificate at the end of the course. This helps them in their admissions at various universities abroad.
  
- ▲ Networking courses are also conducted for students on the following areas :
  - CCNA - CISCO CERTIFIED NETWORK ADMINISTRATORS
  - MCP - MICROSOFT CERTIFIED PROFESSIONALS
  - MCSE - MICROSOFT CERTIFIED SOFTWARE ENGINEERS
  
- ▲ Software courses for Non IT students are also conducted in the following areas :
  - JAVA PROGRAMMING                      ORACLE
  - VISUAL PROGRAMMING                  J2EE
  - C & C ++ PROGRAMMING
  - INTERNET PROGRAMMING (HTML, XML, ASP, JAV ASCRIPT)
  
- ▲ We are conducting Aptitude test on every Wednesday and Technical Aptitude test on Every Friday for the pre final year students to groom them for the Campus recruitment drive in their final year.

The details of students placed in top 25 companies through campus interviews in the year (2008-2009) are in Annexure. Apart from this list, the students got selected in many other reputed organizations / companies.

### **38. Development programmes for non-teaching staff: Pursuing higher studies**

#### **CSE**

- Motivated to do higher studies and some certification course to update themselves.
- Ms. Subha and Ms. J Mary Sheela is doing part time M.C.A. course in Sathyabama University
  - Mr. Rajendran is doing part time B.E. course in Anna University.
  - Ms. R M Sahaya Jeniha and Ms.T Julie Darbini is doing part time M.B.A course in Sathyabama University

#### **CIVIL**

Mr.P.Karthikeyan,Mr.Antony Dinesh and Mrs.Mythily-B.E  
Ms.Sahaya Jasmi - M.C.A

#### **MECH & PROD**

- Giving permission to do Part time BE/ME
- Mr.Sri Ramalu studying Diploma Mechanical Engg. course
  - Mr.Arul jothi studying A.M.I.E
  - Mr.Babu studying B.E Mechanical Engg.
  - Mr.Sahaya Prathesh studying B.E Mechanical Engg.
  - Mr.Palni completed I.T.I

#### **ECE**

Five Technical Staff are undergoing Part time B.E Degree programme in our University.

#### **BIO INFOMATICS**

- Non teaching staff are encouraged for their academic improvement.
- (i) Ms. Jennifer doing her M.Tech Degree course (Part time)
  - (ii) R. Sai doing his M.C.A. Degree course(Part time)
  - (iii)Ms. A. Amala is pursuing her MBA Degree course.
  - (iv)Ms. Infant Sherniya - pursuing her MBA Degree course

#### **CHEMICAL**

Many quality improvement programmes are conducted for the welfare of the non-teaching staff to get updated in both academics in curriculum-wise and latest technologies.

## **BIO MED**

The Management has given the opportunity for teaching and non teaching staffs to pursue higher studies; simultaneously the department has extended full support for the staffs to achieve higher studies and was more flexible regarding their work load especially during exam times.

**Ms.P.Benister Francis Sautha** has joined in MCA course in July 2007 under Sathyabama University

**Ms. J. Rex Babila** has joined M.Sc (zoology) in June 2008 under Annamalai University

**Mr. P. Gopinath** has joined B.E Electronics and Communication Engineering in June 2008 under Sathyabama University

## **PHYSICS**

One of our technical staffs, Ms. Gayathri has joined MCA course in Sathyabama University in this academic year as a part time student.

## **IT**

- Workshop has been conducted for technical staff on Network administration and to conduct lab examinations efficiently.
- Non – Teaching staff are sponsored to pursue their B.E/B.Tech/M.C.A degrees to improve their qualifications
  - 1) Ms. Muthulakshmi - B.Tech
  - 2) Ms.Saranya B.Tech
  - 3) Mr.Senthil - B.E.
  - 4) Mr.Arul Dhoney - B.E.
  - 5) Ms.Nadhiya - M.C.A

## **MSC**

Non teaching staff are updating their qualification by doing B.E.

## **ETCE**

Part time U.G. and P.G. programmes are conducted for our non teaching staff members to enable them to upgrade their qualification and thereby develop their knowledge and skills.

- 1) Mr.R.Ashok Kumar – Doing BE (ECE) – Since Jan 2007
- 2) Mr.J.Prathees - Doing BE (ECE) – Since Jan 2007
- 3) Ms.A.Mary Reeba - Doing MCA – Since June 2007
- 4) Mr.V.Kalist - Doing ME (E&CE) – Since June 2007

- 5) Mr.S.Kamalakaran -Doing BE (ECE) – Since June 2006
- 6) Mr.K.Narayanan -Doing BE (ECE) – Since June 2008

### **MECH**

Non-teaching staff are encouraged to study Part Time courses in Engineering (BE) and Management (MBA).

### **BIO TECH**

Non teaching staff members in Biotechnology are encouraged to improve their academic credentials.

- Mr. Subbaiah has completed his M.Tech in Biotechnology
- Mr. Edison has completed his MBA
- Ms. Jenibha and Ms. Shruthi are doing their MBA

### **EIC**

Two non teaching staff are doing MCA and one staff is pursuing B.E.

### **AERO**

Staff members are encouraged by giving OD's to pursue higher studies to upgrade their knowledge & skills.

<b>Sl.No.</b>	<b>Name &amp; Designation</b>	<b>Course</b>	<b>Status</b>
1	G.Anthony Lab Instructor	M.E. ( CAD )	Completed
2	R.Jegan Lab Assistant	B.E. ( MECH )	III – Year

### **39. Healthy practices of the Institution:**

- Newly recruited staff member are trained by TTTI and other orientation programs.
- Periodic interaction among staff both teaching and non-teaching, encouraging the staff members to attend seminars, paper presentation, training programs etc
- Training on special software is provided to faculty members.
- Students are encouraged to do industry oriented projects.
- Students are motivated to participate in National level academic competitions regularly. The NSS and NCC activities help to encourage civic responsibility and social service like blood donation, anti-dowry system and adoption of villages etc.,
- Merit Awards are given to the first ten students of every department.

- In-house Magazines are published by each department about their activities.
- The University provides financial aid to the faculties who wish to attend seminar/workshop.
- The University gives full concession over the tuition fee for the staff members doing their higher studies under QIP.

#### **40. Linkages developed with national/ international, academic/ research:**

In order to promote Industry Institute interaction, our University has made MOUs with various Industries and Institutes. The MOUs are classified under the following three categories.

##### **(i) New MOUs:**

- The Aeronautical Society of India
- IIT Kanpur
- Ministry of Human Resource and Development (MHRD)
- Hindustan Aero Nautical Limited (HAL).
- National Environmental Engineering Research Institute (NEERI).
- Indian Institute of Chemical Technology (IICT), Hyderabad
- Chennai Petrochemical Corporation Limited (CPCL)
- Southern Petroleum Industrial Corporation (SPIC)
- Research Co-ordination with TBGRI, Trivandrum
- University of Madras.
- IATEFL. UK.
- American Embassy
- Indian Institute of Architects (IIA).
- Council of Architecture (COA)
- National Association of Students of Architecture (NASA).
- NUS , Singapore.
- AIST, Japan.
- All India Association of Education and Research.
- FL SMIDTH – Chennai.

**(ii) Existing MOUs:**

- Indian Space Research Organisation (ISRO), Bangalore
- Indira Gandhi Centre for Atomic Research(IGCAR), Kalpakkam
- Defence Research And Development Organization (DRDO) -Combat Vehicles Research Development Establishment (CVRDE), Chennai
- National Institute of Ocean Technology (NIOT), Chennai
- Central Leather Research Institute (CLRI), Chennai
- Centre for Wind Energy Technology (C-WET), Chennai
- Technical Teachers Training Institute(TTTI), Taramani.
- Indian Institute of Technology(IIT), Chennai.
- Anna University, Chennai.
- University of Madras, Chennai.
- Annamalai University, Chidambaram.
- Neyveli Lignite Corporation(NLC), Neyveli
- Bharath Heavy Electricals Limited (BHEL), Trichy
- Infosys Technologies Limited, Bangalore
- Wipro Technologies Limited, Bangalore
- Sun Micro Systems India Pvt. Ltd, Bangalore
- The Industrial Estate Manufacturer's Association, Guindy, Chennai
- Tamilnadu Association of Cottage and Tiny Entrepreneurs, Ambattur, Chennai
- British Council, Chennai
- Gopali and Company, Chennai
- New Mexico Tech University, USA
- Kursk State Technical University, Russia
- Tomsk Polytechnic University, Tomsk, Russia
- Moscow Power Engineering Institute, Technical University, Moscow, Russia
- Moscow Aviation Institute (State Technical University), Russia
- SERC
- HUDCO



- HRS
- CSIR
- Indian Society for Technical Education(ISTE)
- Institute of Electrical and Telecommunication Engineering (IETE)
- Institute of Electrical and Electronics Engineering (IEEE)
- Vikasha Electronics, Chennai.
- Association of Small Entrepreneurs, Chennai
- Institutional Membership of All India Management Association (AIMA)
- Institutional Membership of Madras Management Association (MMA)
- Institutional Membership of Confederation of Indian Industry(CII)

**(iii) Proposed MOUs:**

- IBM Computers.
- Sathyam Computers

#### **41. Any Other Points:**

**Personality Development Workshops** are being conducted throughout the year for the final year and pre-final year students with eminent resource persons to train our students in various areas like Group Discussions, Attending Interviews, Communication Skills, Interpersonal Skills, etc. The above training helped around 75% of students in getting suitable placements in various top notch companies.

**JAPANESE** language classes – “Basic Conversation Level” are conducted for First year CSE and IT students. About 140 students attended this language class and successfully completed the course. This will help them in their admissions to various foreign universities and also for placement.

**Quantitative Aptitude & Analytical Reasoning Training** classes are conducted regularly for under graduate and post graduate at our University Campus. This course is intended to train students for performing well in Campus Interviews. This course is being conducted by the faculty of Mathematics Department.

#### **ACADAMICS:**

- Department staff members are involved in certificate course programme Organized by University. CSE and IT Department staff members have attended the Infosys Training programme.
- Guest Lectures, Industrial Visits, career development programmes are frequently arranged to Students of all branches.
- Arrangement of interactive session is done among the final year students and group discussions by inviting the passed out batch students and adhering their exposures.
- Counseling and guiding the students at various levels is organized.
- The Dept. of Mathematics has conducted MATHMIND – 2008 for all B.E / B.tech Students on April 9<sup>th</sup> and 10<sup>th</sup> 2008.
- Periodical meeting with Teaching and Non- Teaching staff members regarding all activities related to respective Department.
- The University allows teachers to participate in Seminars, workshops conducted by other Universities & Colleges.

- Sincere co-operation exists between all Teaching and Non- Teaching staffs regarding the activities related to the function of Department.
- Special training is permitted for the interested and enthusiastic students in CAD and CAM labs after regular class hours.
- The faculty is encouraged to do research projects and thereby present papers in the National and International Conferences and also publish papers and research work in leading journals. Teaching and non-teaching faculty are given opportunities to attend Faculty Development Programs conducted by the various Business Schools in their areas of specializations.
- Motivating the students to attend and participate in other collegiate paper presentations and other competitions.
- Arrangement of interactive sessions among the final year students and group discussions by inviting the passed out batch students and sharing their experience.
- Academic improvements and the performance of the faculties are being assessed through various feedbacks, including students' feedback.
- University empowers staff and students to care for their health with the hope of integrating healthy practices in their daily lives.
- The University continuously monitors the cleanliness of its laboratories.
- Special emphasis is made on the hygienic conditions of the department.
- Periodic class test, Assignments, Mid. semester exams, Model theory exams and previous semester Results giving way for the special class if required for the students.
- Staffs were engaged in research programs and publishing articles in National and International Journals.
- Staffs motivating to the students for research and higher studies.
- Formed students committee and conducted seminar on recent topics.
- The key attraction is the disciplinary principles enforced.
- Train Lab Technician through UG/PG Courses.
- Personality Development Classes Conducted by Trained Personal from 2<sup>nd</sup> Semester itself.
- Meetings on a monthly basis to discuss about all improvement activities.

- Regular updates to parents is done regarding attendance, Results and so on.
- Feedback from students
- Weak students identification and training.
- Community services
- Personal counseling for students.

### **“TECHNOVATION 2009”: A Mega Project Exhibition:**

Our University has organized a mega project exhibition “TECHNOVATION 2009” from 14<sup>th</sup> April to 15<sup>th</sup> April for our final year students. Top six projects from all the departments were displayed in the Exhibition. Experts from various industries were invited to evaluate the projects. Based on the experts evaluation cash prize of Rs.5000/- and a Certificate for the first place for every department were awarded. A overall group prize of Rs.10,000/- were also awarded among the department groups. The groups are Electronics Group, Mechanical Group, Civil group, Bio group and computer science group. A total of Rs.1,50,000/- cash prizes were won by the students.

All the junior students of the University have visited the exhibition and learnt the technical aspects of the projects from their seniors.

### **SATHYABAMA NANO SATELIITE**

An MOU has been signed between ISRO, Bangalore and Sathyabama University to launch a Nano Satellite in the month of June 2010. The satellite will be designed and developed by the students of Sathyabama University in the university campus it self. For this project, 27 students have been recruited from the present third year from various departments. The students were recruited by conducting a written test and interview by the Dean and expert from ISRO. A team of 12 staff members are also involved for guiding the students in this project .

### **TAMIL MANDRAM ACTIVITIES:**

On the eve of Dr.M.G.R’s Birthday celebration on 02.02.2009, Tamil Debate was organized by Tamil Mandram, Sathyabama University.

Tamil Debate was titled as “Paadalkalukku Mukkiyam Isaiya? Varigala?” headed by our Honourable Chancellor Dr. Jeppiaar in the presence of our Directors, Mr. Marie Johnson B.E., M.B.A., Mrs. MariaZeena Johnson B.E., M.B.A., Vice – Chancellor Dr.V.S.R.K. Mouli, Registrar Dr. S.S.Rau, Controller of Examination Dr.K.V.Narayanan, Head of the Departments and Faculty Members. The famous Director cum Actor Mr. K. Bhakiyaraj was the judge for the event.

Each Isaiya and Varigala team was represented by six members. The best speakers in each team was awarded with the cash prize of Rs.1000. To encourage the first year student among the participants a special award was given with the cash prize of Rs.1000.

- Ms.M.Mary Jenita-II M.B.A (IsaiyaTeam)
- Mr.Sabarinathan-II E.E.E. (Varigala Team)
- Ms.T. Bhavani – I Chemical Engg. (Special Prize)

Spectators have enjoyed the special memorable speech of Mr. K. Bhakiyaraj who spoke in his own humorous style and finally the debate ended with the National Anthem.

## **FEMFEST ‘ 09**

SATHAYBAMA UNIVERSITY had its greatest privilege and pleasure to celebrate the extravaganza, FEMFEST’09 from 20 – 22 of February 2009. It was college carnival conducted “FOR THE GIRLS, BY THE GIRLS”. It was celebrated as a mark of THE INTERNATIONAL WOMEN’S DAY. Around 45 colleges from all over TamilNadu had participated and have won wonderful prizes worth Rs.5 lakh.

ON 20<sup>th</sup> OF FEBRUARY 2009:

20<sup>th</sup> was the inaugural day of the ceremony. Our guests of honor for the grand inauguration were Dr. Kamala Selvaraj and Ms. Sneha, Actor. Followed by the inauguration there were amazing performances by the host University. On the end of the day there was a MUSIC SHOW by Padmashree Dr.S P Balasubramanyam .

ON 21<sup>st</sup> OF FEBRUARY 2009:

There were several competitions held for all the colleges from morning to evening. Eminent Guests from various fields preceded and judged the competitions.

## LIST OF EVENTS

## HONOURABLE GUESTS OF HONOURS

JUST A MINUTE	Ms. HEMA GOPAL
BLOCK& TACKLE	Ms. SHWETHA
COLLAGE	Ms. UMA
PHOTOGRAPHY	Ms. NIRMALA LAKSHMAN
WESTERN DANCE	Ms. RAMYA
INDIAN FOLK	Ms. PRIYA KRISHNADHAS
FASHION SHOW	Ms. SAMYUKTHA SHANMUGANATHAN

That evening ended up with a DANCE SHOW by Kala's Kalalaya

On 22<sup>nd</sup> OF FEBRUARY 2009:

This is last day of the festival. The competitions resumed on the third day with the zest.

LIST OF EVENTS	HONOURABLE GUESTS OF HONOURS
1. POT POURRI	Dr. MALLIKA
2. ADZAP	Ms. TULSI N MERCHANDEY
3. ANTHAKSHARI	RADIO MIRCHI ANJANA & Ms. PRIYA MANIKANDAN
4. TALENT SHOW	Ms. SUPRIYA

The Best Talented Person was awarded Scooty Teenz which was won by Ms. Shabnam Sheik of St. Joseph's College of Engg. FILM ACTOR Ms. Ramya Krishnan showed her presence during the GRAND FINALE & THE PRIZE DISTRIBUTION CEREMONY. Our host university performances added beauty to the grand finale. There were so many accessories and clothing botiques, eatery stalls provided for the crowd. The overall winner was given the winner trophy won by St. Joseph's college of engineering. The other colleges, participants and winners have won the rest of the prizes worth Rs.5 lakhs. Thus the festival ended up giving an immense pleasure for the girls and great satisfaction for the management itself.

## **AERO HANGAR AND AIRCRAFTS - CESSNA – 152 & PIPER PA-28-151**

The inauguration of Aero Hangar was held on 25<sup>th</sup> June, 2009 at 1630 hrs. by Dr.JEPPIAAR Chancellor, Sathyabama University, and the aircrafts **CESSNA-152 & PIPER PA – 28 -151** were dedicated by **Dr.A.SIVATHANU PILLAI**, Distinguished Scientist & Chief Controller of (R&D).

**Dr.A.SIVATHANU PILLAI**, in his inaugural address deeply appreciated the Department of Aeronautical Engineering and the faculty members in assembling the aircrafts and making them serviceable for giving a ground run to enhance the knowledge of aircraft maintenance of the aero students. He was overwhelmed in seeing the **“maintenance set up”** of the aero hangar and was surprised to see the standard of the university having a professional approach in training and educating the students for placement in airlines. He was further impressed upon the team work of the department in giving **“ground runs”** to both the aircrafts.

Dr. Jeppiaar has an immeasurable zeal with unflagging enthusiasm to meet the requirement of our country's need in aviation and aerospace activities. He has a deep passion for **“aero”** and has taken the initiative to construct a unique aero hangar in aircraft maintenance. The total cost of the aero hangar with its infrastructures has exceeded more than 2 (two) crores. His inspiring guidance with fostering care and uniform encouragement has a great impact in strengthening the developmental activities in aviation. His source of inspiration would enable the department of aeronautical engineering to make a rapid progress in achieving the most skilful aeronautical excellence to commensurate with the present day requirements.

Our **Sathyabama University** has bought **Cessna-152 and Piper PA-28-151** aircrafts along with two jet engines, one Lycoming Piston Engine, one Auxiliary Power Unit and three bladed constant speed propeller unit. The aircrafts were bought from **“FALCON FLYING SERVICES” LTD** at United Kingdom. They were dismantled and sent to the university in a container by sea..

After receipt, they were assembled and ensured serviceable after ground run by aeronautical engineering students under the guidance of experienced faculty. The total

outlay has crossed more than 2 (two) crores thus enabling Sathyabama University to have a sound stance in forming a base for learning aircraft maintenance in the department of aeronautical engineering.

Besides, the aero students are being taught to give “**ground runs**” in monitoring all the engine parameters for ensuring the serviceability of the aircraft.

In addition, the aero students are given a practical exposure in evaluating **Aircraft Flight Control system, Wing Dihedral check, Fin neutrality, bleeding of brake system, Wing incidence angle check, Aircraft symmetry check and under carriage system.**



## **SOLAR STEAM COOKING SYSTEM**

The World's Largest Solar Steam Cooking System was inaugurated on 1<sup>st</sup> of July, 2009 at Sathyabama University. Solar steam cooking systems works on the indirect solar steam cooking method based on the Solar Energy Concentration Technology and they can be effectively used for large-scale cooking in community kitchens. 110 concentrator dishes have a total reflecting area of about 1100 m<sup>2</sup> (World's largest installation in terms of square metres). This Solar Steam Cooking System can cook for 15,000 persons (30,000 meals per day). The solar concentrator dishes can tap solar energy to generate steam and they are capable of supplying 2.2 MW thermal power to the kitchen. This cooking system mainly comprises of Central Sun-tracking system, steam header pipe, solar energy receivers, system piping for supply of water and steam, Mild Steel and Civil supporting structures, valves & pressure gauges, temperature gauges, cooking vessels, etc. A solar-powered kitchen consumes lesser power and time than a conventional kitchen and ensures that a meal is cooked in less time than for a LPG model. Thus, it is expected to generate a lot of savings. Unlike the LPG model, solar steam cooking system helps to keep the kitchen smoke-free, clean and hygienic. Surplus power generated from these solar dishes can be used for heating water.

Solar Schaeffer Parabolic Concentrator dishes are arranged in pairs facing north and south to form an array. These pairs concentrate heat from solar energy on receivers from both sides. The water in the receiver between the pairs of concentrator dishes gets converted into steam with a pressure of about 10 kgf/cm<sup>2</sup> and accumulates in the steam header. By means of pressure-reducing station, steam pressure is reduced to a safe approved limit of about 4 kgf/cm<sup>2</sup>. This reduced pressure steam is then sent to steam cooking vessels of adequate capacity. Rice is cooked within 8 to 9 minutes and dhal within 9 to 12 min. The Solar parabolic concentrators raise the water temperature to 550°C to 650°C and convert it into steam for cooking purposes. This system is integrated with the existing LPG-fired boiler to ensure continued cooking irrespective of the weather, day or night. It employs the latest state-of-the-art-technology from Germany and it is the first of its kind in Tamilnadu. The cost of

this project is 1.13 Crores with about 50% subsidy Sponsored by Ministry of New and Renewable Energy (MNRE) & Tamilnadu Energy Development Agency (TEDA).

## Part C

### **The plans of the University for the academic year 2009-2010:**

To explore research in the latest fields such as nanotechnology along with the existing research fields.

To submit project proposals to the various funding agencies.

To encourage faculty members to continue research in their field of research and activities.

To implement more communal activities through NCC and NSS.

To train the science students to become software professionals

To promote research in newly emerging and frontier areas of science and engineering including multidisciplinary fields.

To encourage the students and faculty to take up R&D activities

To upgrade the technical skills Department organizes Seminars, Guest lectures, Workshops

Encourage students in extra curricular Activities like sports & Cultural.

Planned to organize national level student symposia

Revision of syllabus as per University Norms

Planned to continue and start new collaborative research projects with CLRI, Anna University,

University of Madras and various other research institutions

Improve the infrastructural facilities for meeting the growing research needs

Encourage students in research activities

**ANNEXURE I**

**7. Initiative Towards Faculty Development Programmes**

<b>Sl</b>	<b>Name of the Faculty</b>	<b>Department</b>	<b>Date of the Programme</b>	<b>Program Attended with details</b>
1	Dr G. Senthil Kumar	BBA&B.COM	12-03-09	Faculty Development Programme – Mohamed Sathak College
2	Ms I Arthy Infanta	BBA&B.COM	12-03-09	Faculty Development Programme – Mohamed Sathak College
3	C.Gomathy S.Barani Grace Kanmani	E&C	02.06.08 03.06.08	Workshop on Sensor Web Enablement Conducted by Sathyabama University
4	Grace Kanmani Betty Martin	E&C	04.08.08- 09.08.08	Summer School on Biomedical Electronics Conducted by NITTTR, Chennai
5	V.Manonmani K.Sudheera	E&C	28.07.08- 02.08.08	Summer School on PIC Microcontroller 16F877A Conducted by NITTTR, Chennai
6	V.Manonmani	E&C	04.08.08- 06.08.08	Paper on Recent Trends & Emerging Scenario in Biomedical Engineering Conducted by Sathyabama University
7	R.Immanuel Rajkumar M.subramonium	E&C	22.08.08	Workshop on System Identification & Control Conducted by Dept. of ICE in BSA Crescent Engg. College.
8	B. Sowmya	E&C	12.09.08- 13.09.08	Paper on Unsuperised Colour Image Regimentation using Subtractive Clustering In the Conference of VCAN 2008 Conducted by Easwari Engg. College
9	Anbarasi Jebaselvi Vijayashree	E&C	06.11.08- 07.11.08	Paper on Soft Computing Techniques in Industrial Automation Conducted by Kongu Engineering College, Perundurai
10	B. Sowmya	E&C	13.11.08- 15.11.08	Paper on Land Cover Classification Using Recurrent Neural Network In the Conference of ESSTA'08 Conducted by Sathyabama University

11	S.Barani	E&C	13.11.08-15.11.08	Survey on Wireless Sensor Networks applied to Disaster Management In the Conference of ESSTA'08 Conducted by Sathyabama University
12	All Staffs	E&C	20.11.08	Demo on PLC & Scada Conducted by K.Palaniswami, Executive Director, Genisys
13	R.Immanuel Rajkumar Grace Kanmani	E&C	17.11.08-21.11.08	A course on PLC Programming on ALLEN BRADLEY SLC/04 & MAINTANENCE Conducted by Advanced Training Institute, Guindy
14	B. Sowmya	E&C	02.01.09-05.01.09	Presented a Paper on Landcover Classification using Possibilistic Fuzzy C means In the Conference COCOSYS'09 Conducted by University of Burdwan, Burdwan.
15	B. Sowmya	E&C	22.01.09-24.01.09	Paper on Landcover Classification using ANFIS In the Conference KNICT'09 Conducted by Crescent Engg. College, Chennai
16	B. Sowmya	E&C	20.02.09	Presented a Paper on Semi automatic road extraction by image segmentation techniques in the Conference ASPAVN'09 Conducted by Karunya University, Coimbatore.
17	B. Sowmya	E&C	08.04.09-09.04.09	Presented a Paper on Automatic road extraction from satellite image using ANFIS in the Conference NCVESCOM'09 Conducted by Aarupadaiveedu Institute of technology, Chennai
18	Dr.SheelaRani	EIE	Oct' 2009.	A two-day National Level Staff Workshop on " <b>Medical Imaging</b> " is being initiated for the Faculties at Inter Collegiate level in the month of Oct' 2009.
19	Mr. Mathivanan	CSE	16.06.08-28.06.08	Work shop on fuzzy logic at NIT, Trichy
20	Mr. Mathivanan	CSE	23.07.08	Work shop on Biomedical Electronics at NITTTR , Chennai

21	Mrs. Sasikala Madhu Mrs. Sabitha	CSE	11.07.08- 13.07.08	Work shop on How to teach Computer Networks, IIT, Chennai
22	Mr. Kamalesh.M.D	CSE	21.07.08- 01.08.08	Infosys – Campus Connect Program at Mahendra city
23	Mrs. M. Lakshmi Mrs. Sabitha Mr. R. Aroul canessane Mr. A. Pravin	CSE	30.07.08	Seminar on Oracle SOA at Le Royal Meridian, Chennai
24	Mrs. Sarika	CSE	01.08.08	Work shop on Open Source Software at SSN Engg. College, Chennai
25	Mr.E Nagarajan	CSE	12.05.08- 06.06.08	Prepare Future (Faculty Updation Training Utilizing R&D Expertise ) specialization in Application Software conducted by CDAC, Hyderabad.
26	Ms.Sasikala madhu Ms.V.L.Jyothi Ms..Umapathi Ms.Sabitha Ms.Ezhil Sam Leni	CSE	04.06.08- 08.06.08	Workshop on Tivoli by IBM at Sathyabama University
27	Ms.Angayarkanni Ms.Barathi Mr.A.Pravin Mr.M urari d kamalesh Mr.Andrews Ms.Sarika	CSE	04.06.08- 08.06.08	Workshop on DB2 by IBM at Sathyabama University
28	Mr. G Mathivanan	CSE	05.01.09- 09.01.09	Logic and Application of Logic - Part I, IIT, Kharagpur.
29	Mr. G Mathivanan	CSE	12.01.09- 16.01.09	Logic and Application of Logic Part II, IIT, Kharagpur.
30	Mr. G Mathivanan	CSE	30.01.09	Learnership insights, Wipro, sholinganallur, Chennai
31	Mr. G Mathivanan	CSE	24.02.09	Mathematical modeling in industry, Stella Marys college, Chennai
32	Dr. M. Lakshmi	CSE	04.03.09	“offloading E-mail data to an intelligent archive, Hitachi Data systems,Chennai
33	Mr.E Nagarajan	CSE	18.05.09 - 22.05.09	“Deepdive faculty development program”, organized by Infosys, Mahindra city in relation with campus connect programme
34	Ms.D.Prabavathy Ms.Diana Victoria	BIOTECH	20.08.08	Majority of our staff members have attended Faculty Improvement

	Ms.D.Shubashini Ms.S.Sudha			Program conducted in Karpaga Vinayaga College of Engineering.
35	Ms.Swetha Mr.Narendrakumar Mr.Thiyagarajan Mr.Rameshkumar Ms.MohanaShaji	BIOTECH	08.12.09- 11.12.09	5 staff members have attended a Refresher Course in Biotechnology organized by Arupadai Veedai Institute of Science and Technology
36	Mrs.Danee Joycee	CIVIL	04.08.08- 09.08.08	QIP Programme in IIT Madras
37	Mr. V. Sampathkumar, Mrs. R. Nirmala & Mr. T. Niranjan Kumar	CIVIL	04.08.08- 09.08.08	QIP Programme in IIT Madras
38	Mr. V. Sampathkumar, Mrs. R. Nirmala, Mr.N.Muthukumaran	CIVIL	07.12.08- 09.12.08	SPSS Workshop for three days at Everonn Systems Ltd, Chennai.
39	Dr. M. Helen Santhi ,Dr. M.M. Vijayalakshmi, Mr.V.Sampath Kumar & Ms.T.K.Padmini	CIVIL	11.12.08- 21.12.08	Two weeks short term training course in “Geospatial Technology Concepts & Applications”at Sathyabama University
40	Dr. M. Helen Santhi	CIVIL	04.12.08- 05.12.08	“Rehabilitation measures for the Tsunami affected coasts of Tamilnadu, Kerala and Puducherry” at IIT Chennai.
41	Ms. Bethanny Janney,  Ms. M. Vijayalakshmi and Ms. M. S. Sangeetha	BIOMEDICAL	24.11.08 – 30. 11. 08	Organizing institute: Anna University, Chennai Topic: Radiological Equipments
42	Mr.Jeson Mr.Bharani kumar Ms.RuchiYadav Ms.G.Lavanya Mr.Balashankar	BIOINFO	30.03.09- 31.03.09	Department has imparted in-house faculty training to train its faculty with skills to handle the software program Cell Designer and Shel X.
43	Ms. Kavitha, Ms. Jemmy Christy, Ms. Venkateswari and Ms. Ruchi Yadav	BIOINFO	10.12.08- 13.12.08	workshop on “Sequence Analysis and Molecular Simulation” conducted by D.Velmurugan,Center for BioTechnology, Anna University
44	Ms.Sundari.G.Ms.Sumathi, Mr.S.Karthikeyan, Mr.G.Jegan, Mr.Vino	ECE	29.01.09- 03-.01.09	Workshop on “High Impact Presentation Skills” done by Wipro Technologies-
45	Ms. Ebenezer Jebarani.	ECE	18.04.09-	Two days work shop on “Wireless

			19-04.09	Sensors Networks”conducted by SSN Engineering College
46	Ms. Rexlin Sheeba,Mr. Kishore Sonti	ECE	29.01.09-30.01.09	Workshop on “Distance Education” conducted by IGNU Quality Development Cell-
47	Mr.D.Godwin Immnuel	EEE	24.11.08-06.12.08	embedded based Systems Design in power systems for power quality improvement
48	Ms.PreethiPauline Mary	EEE	26.12.08 - 27.12.08	ii) Application of power Electronics to power transmission and distribution system
49	MRS. CHITRA DEVI	MBA	Jan. 2009	Emerging Trends In Retailing – New College
50	MRS. CHITRA DEVI	MBA	Feb.2009	Case Study Development – Rajalakshmi Engg. College
51	MRS. CHITRA DEVI	MBA	Sep.2008	Work Life Balance – SRM Valliammai
52	DR. SHANTHI LATHA	MBA	Jan. 2009	Emerging Trends In Retailing – New College
53	MRS. BHUVANESHWARI	MBA	Feb.2009	Developing Soft Skills – Infosys
54	MRS. AISWARYA	MBA	Feb.2009	Developing Soft Skills – Infosys –
55	MRS. PREETHI	MBA	Jan. 2009	Emerging Trends In Retailing – New College
56	MRS. PREETHI	MBA	Feb.2009	Case Study Development – Rajalakshmi Engg. College
57	MRS. VELUMONI	MBA	Sep. 2008	SPSS Workshop – Presidency College
58	MR.A. GOVINDARAJAN	MBA	Jan. 2009	Effectiveness Of Measuring Performance Analysis Through Altman A Score – Bharathidasan University
59	MR.A. GOVINDARAJAN	MBA	Sep 2008	Effectiveness Of Measuring Performance Analysis Through Altman A Score – Karpagavinayaga Engg. College



60	MRS. J. BHAVANI	MBA	Sep. 2008	SPSS Workshop – Presidency College
61	MRS. JAYANTHI	MBA	Mar.2009	Applications Of SPSS And Article Publications – Sri Sairam Engg. College
62	MS. KAVITHA RAJAYOGAN	MBA	Mar.2009	Applications Of SPSS And Article Publications – Sri Sairam Engg. College

**ANNEXURE II**

**8.NUMBER OF SEMINARS & WORKSHOPS**

SL. NO.	DEPT.	SEMINAR / WORKSHOP	DATES	NAME OF THE GUEST FACULTY / ORGANISATION
1	BBA &B.COM	Human Skills And Career Improvement	20.01.09	Mr T A Subramanian
2	BBA &B.COM	Interpersonal Relationship	28.01.09	Mr K N Varadhrajan
3	BBA &B.COM	Liberalization, Privatization & Globalization	19.02.09	Mr Upilli
4	BBA &B.COM	Self Development	24.02.09	Mr K. Aramudhan
5	BBA &B.COM	Self Motivation	27.02.09	Mr K. Manivanan
6	AERO	Seminar on “ <i>Current Status and Emerging Trends in Aircraft Maintenance</i> ”	16.07.08	Ms.Tulsi N.Mirchandaney, Managing Director, Blue Dart Aviation Ltd., Chennai
7	AERO	Seminar on “ <i>Current Status and Changing Trends in Aerospace Activities</i> ”.	27.01.09 29.01.09	In Association with “The Aeronautical Society of India”Chennai Branch
8	AERO	Painting & Essay competition conducted in association with “ <i>The Aeronautical Society of India</i> ” (Chennai branch) for school students.	27.01.09 29.01.09	In Association with “The Aeronautical Society of India”Chennai Branch
9	AERO	Aero modeling activity/display done by a qualified instructor.	27.01.09	Mr.Ajith Kumar
10	AERO	Aerospace exhibition	Nov 2008.	Department
11	AERO	A seminar on “ <i>Emerging Scenarios in Heavy Aircraft Maintenance</i> ”	24.06.09	Dr.R.Balasubramaniam Editor,Director Grade Scientist and Advisor(Retd) National Aerospace Laboratories and S.Consultant IGNOU

12	AERO	Inaguration of “Aero Hangar” and dedication of two “Aircrafts”	25.06.09	Dr.A.Sivathanu Pillai Distinguished Scientists&Chief Controller, DRDO,Bangalore.
13	E&C	A national symposium “ARDEUR – 08”	15-16 Sep 2008.	Department
14	E&C	An invited talk on “Sensors & Transducers”	27.08.08	Dr. A.Balaji Ganesh, Coordinator–Embedded & Applied Computing Group- TIFAC- CORE, Velammal Engineering College
15	E&C	An invited talk on “Computer Languages”	01.09.08	Mr.S.Senthil Kumar,Manager, NIIT,Training Division,adayar,Chennai
16	E&C	A seminar on “Holography & its Applications”	07.01.09	Prof.P.K.Palanisamy- Head, Dept. of Physics, Anna University, Chennai
17	E&C	1. A guest lecture on “Distributed Control Systems”	21.01.09	Mr.S.K.Sastry,Managing Director,Kuruganti Computers,Chennai
18	E&C	A workshop on “Programmable Logic Controllers”	20.02.09	by Mr. Gopu,Technical Director,Ganesh Automations Pvt. Ltd.,Chennai
19	EIE	An invited talk on “Smart Sensors”	11.07.08	Mr.K.Srinivas, Scientist In charge, CSIO, CSIR
20	EIE	An invited talk on “Computer Security	5.09.08	Mr. Joseph, Joint General Manager, Reliance World
21	EIE	An invited talk on “Robotics in Defense”	15.09.08	Mr.G.Kannan, Scientist-F, Head Robotics and Networks, CVRDE.
22	EIE	An invited talk on “Industrial Automation for Automobile Application”	26.02.08	Mr.Santhakumar, Sr.Engineer (Projects), Select Automation..
23	EIE	An invited talk on “Nanotechnology”	8.04.09	Dr.Geeta Ramakrishnan, Asst.Professor, Department of Chemistry, Sathyabama University
24	CSE	Workshop on Network Security Tools	24.06.08	Mr. Sartaj Ahmed - Alumini
25	CSE	Monte Carlo Method	24.07.08	Dr.Srivatsava
26	CSE	Emerging paradigms in Network Security	28.07.08	Mr. Sartaj Ahmed – Alumini
27	CSE	Requirements of Software Industry	02.08.08	Mr. Senthil – Bonton Software pvt. Ltd.

28	CSE	Adobe photoshop / Flash	12.08.08	Mr.Sivabalan – Image Multimedia Development, Chennai
29	CSE	Networking	13.08.08	Mr.Karthik – Accel Academy, Chennai
30	CSE	K Connected networks	21.01.09	Dr. S K Srivatsa, Retd. Prof. From MIT, Chennai
31	CSE	Overview of Operating System	29.01.09	Dr. T. G. Sambandham , Head, CSE Dept, NITTI, Taramani, Chennai.
32	CSE	Introduction to trends in IT Industry	25.02.2009	Mr. K.S. Vasam, Visteon Technologies, Chennai
33	Biotech	A National Level Seminar on 'Biotechnological Intervention for Conservation and Sustainable Utilization of Bioresources'	07.08.08-09.08.08	Department of Bio Tech
34	Biotech	Guest Lectures	04.02.2009	Prof. R. Dhanasekar. Annamalai University,
35	Biotech	Guest Lectures	04.02.2009	Dr T. Viruthagiri from Annamalai University
36	Biotech	Guest Lectures	20.06.08	Dr. Gnanamani from CLRI
37	Biotech	Guest Lectures	23.07.08	Dr. Vijaya Raghavan from Institute of Leprosy
38	MECH	“RECENT TREND IN PROTOTYPING..	21/08/2008	Dr. KARUNAKARAN, PROFESSOR, IIT MUMBAI
39	EDUCATION	One Day Seminar was organized on Instructional Material preparation	05.12.08	Mrs.Reetamajee ,Lecturer,Lady Willington Institute for Advanced Study for Research
40	EDUCATION	Workshop on Physical Education Programme	27.03.09-28.03.09	Dr.J.P.Sukumar,RegistrarTamilnadu Physical Education Sports University,Chennai Dr.GraceHelana, Prof&Head, Department of Exercise and Physiology
41	Higher studies	Higher studies	13.07.08	Two members from <b>USEFI</b> , Ms. Carly Shane - International Enrollment Manager, Office of International Programs & Services, Dr. Winston Erevelles – Dean, School of Engineering, Mathematics and

				Science, Robert Morris University conducted a seminar on June 13, 2008.
42	Higher studies	“Orientation Seminar to Cat 2009”	25.07.08	Career Launcher
43	Higher studies	a seminar on preparation for GRE, GMAT Entrance	30.07.08	The Princeton Review, Chennai
44	Higher studies	guidelines for choosing the right course and also the opportunities in U.K. and other countries.	06.08.08	The Chopras Consultants Pvt Ltd, Chennai
45	Higher studies	Career Guidance Seminar	22.08.08.	IMS Learning Resources Pvt. Ltd., Chennai
46	Higher studies	A seminar on Orientation to “International Youth Fellowship” in KOREA	27.08.08.	IYF
47	Higher studies	An orientation programme on “Spoken Japanese Language”	20.09.08	ABK-AOTS DOSOKAI, Chennai
48	Higher studies	The Great Leadership Hunt - Tycoon 2009	10.02.2009	Career Launcher
49	Higher studies	made presentation on Engineering Education in US on 23 <sup>rd</sup> February 2009.	23.02.2009	USIEF co-ordinator Ms. Viyalakshmi US consulate, Chennai,
50	Higher studies	Fulbright Fellowships in US for doing M.S, Ph.D and PDF for all the teaching staff members	23.02.2009	USIEF co-ordinator Ms. Viyalakshmi., US consulate, Chennai,
51	Higher studies	A seminar was conducted on <b>Engineering Education</b> in US and UK	05.03.2009	Brain Storm Consultants, India
52	CIVIL	One day training programme on TOTAL STATION SURVEYING and other ADVANCED TECHNIQUES	Sep. 2008	Department of CIVIL
53	IT	A two days National level Technical Symposium ITWIZ'08 was conducted on	01.09.08 - 02.09.08	Department of IT
54	IT	A workshop on SOA	29.07.08	Mr.Borgia Susai of sedena space technologies.

55	IT	A workshop on Web Services	11.08.08	D.Arokia Raj, sedena space
56	IT	A workshop on SAP	09.08.08	Mr.Kumaresh, Navo Infotec
57	IT	A workshop on Multimedia	02.09.08	Mrs.Yuvarani of image systems.
58	IT	A workshop on XML Technologies	29.09.08	Mr.sudhararshan Ravichandar, Wipro Technologies
59	IT	A lecture on “Inter Personal Skills “	03.07.08	Dr. Barki,NITTT,Taramani
60	IT	A lecture on E-Governance	04.07.08	Mr.Inian Nehru ,NIC
61	IT	A seminar on “Multimedia”	17.07.08	Mr.Sivabalan, IMT
62	IT	A lecture on “Data Mining”	07.08.08	Mr.Prabhu,Bonton Softwares
63	IT	A lecture on Networking	03.08.08	Accel IT Academy
64	IT	A seminar on “Comparison of OS”	17.09.08	Dr.T.G.Sambhandan,TTTI ,Taramani.
65	IT	A lecture on Engineering Education in US and UK	05.03.09	Brain Storm Consultants, India on 05/03/09.
66	IT	A lecture on Software as a Service	10.03.09.	Siva subramaniam, Yanambakkam from Education and Research Department
67	IT	A lecture on Career meet	01.03.09	Mr.T.Sridhar,Managing Director of TMI First.
68	IT	A seminar on “EVOLVE-transformation of college life to		Cognizant Technology

		corporate life”		
69	BIOMED	National <b>Workshop</b> on "Recent Trends & Emerging scenario in <b>Biomedical Engineering</b> " -	04.08.08-06.08.08	Department of BIOMED
70	BIOMED	A lecture on “Tissue Engineering”	25-10-08.	Dr. B. Ravindranath, Professor, CLRI, Chennai
71	BIOMED	A 70lecture on “Solid wastes”	24-10-08.	Dr. B. Ravindranath, Professor, CLRI, Chennai
72	BIOMED	A lecture on “Emerging technologies in waste water treatment for pollution control”	23-10-08.	Dr. B. Ravindranath, Professor, CLRI, Chennai
73	BIOMED	A lecture on “Advances in Biomaterials”	27-8-08.	Dr. P.K. Sehgal, Professor, CLRI, Chennai
74	BIOMED	A lecture on “resent trends in Biomedical Instrumentation”	21-8-08	Dr. M. Rama Subba Reddy, Professor, IIT Madras, Chennai.
75	BIOMED	A lecture on “General safety measures	25-7-08	” Dr. C.V. Prasad and Dr. Veeni Seni, Professor, Sathyabama Dental College, Chennai
76	CHEM	One Student’s Technical Symposium conducted	August 2008	Department
77	BIO INFO	Seminar cum workshop	18.03.09-	Mr.Chellapandi,Bharathidasan University,Trichy
78	BIO INFO	Seminar cum workshop	30.03.09-31.03.09	D.Velmurugan,Center for BioTechnology, Anna University
79	ECE	Internal Workshop	03.01.09-05-01-09	Dr .P. E .Shankaranarayanan Dean,Academic Research, Sathyabama University, Chennai
80	ECE	A Seminar on Microcontroller and its Application in the Industries	15.02.09	Dr.Swaminathan Director, VE.Systems, Chennai

81	ECE	ESSTA 2009, an International Conference	13.12.08-15.12.08	In collaboration with ISRO, Bangalore
82	ECE	National Symposium "EPOCH08"	24.08.08-25.08.09	Department of ECE
83	EEE	Random Thoughts on Knowledge and Wisdom	02.02.09	Mr.C.Muthukumaraswamy.I. A.S Vice Chairman & Chief Executive Officer, 86Tamilnadu Maritime Board ,Chennai
84	EEE	Fundamental of Electricity	19.03.09	Dr.S.R.Krishna Moorthy, Former TNEB Adviser, Adyar,Chennai
85	EEE	PLC	2.07.08	Mr.Srinivasan& Mr.Sugumar Elcon Equipments, T.Nagar,Chennai
86	EEE	Power System Analysis	08.08.08	Dr.S.R.Krishna Moorthy Former TNEB Adviser, Adyar,Chennai
87	EEE	Transmission & Distribution	31.07.08	Dr.S.R.Krishna Moorthy Former TNEB Adviser, Adyar,Chennai
88	MBA	Import and Export	28.07.08	Dr. P. Jacob
89	MBA	International Marketing	31.08.08	Dr. P. Jacob John
90	MBA	Retail Marketing	11.09.08	Mr. Murali
91	MBA	Research Methodology	28.01.09	Dr. U.A. Balasubramaniam
92	MBA	Micro Finance	26.03.09	Ms. Puspha
93	MBA	Employability	31.03.09	Mr. G. Rajagopal
94	MBA	A National Level Management Meet (COREKOMPS')	15-16 Sep 2008.	MBA DEPARTMENT
95	MBA	The department hosted National Level Quiz Competition (ET in Campus)	16.02.09	The Economic Times Club



### ANNEXURE III

<b>Dept</b>	<b>Name</b>	<b>Topic</b>
IT	Ms. S.Meenakshi	Network security
	Ms. P.Jeyanthi	Image mining
	Ms. R.Subhashini	Data Mining
	Mr. S.Igni Sebasti Prabu	Security in Web services
	Mr. S.Justin Samuel	Web Services
	Mr. Jeberson Retna Raj	QoS in web Services
	Ms. P.Sandhya	Web Services
	Mr. P.Saravanan	Data Mining
CSE	Ms. Sarika	Software Engineering
	Mr. Lakshmanan	Mobile networks
	Ms. Maragatham	Data mining and warehousing
	Ms. Sundaram	Web Services
EIE	Ms.R.Ramadevi	Soft Computing
	Ms.K.Sujatha	Image Processing
	Mr.R.Samuel Rajesh Babu	Power Electronics
	Mr.R.Karthikeyan	Robotics
	Mr K.Kumar	Digital Signal Processing
	Ms S. Lalitha Kumari	Signal and Image Processing
	Ms C.F.Teresa cenate	Image Processing
E&C	B.Sowmya	Digital Image Processing
	G.D. Anbarasi	Power Electronics & Drives
	S. Barani	Wireless Sensor Network
	V. Manonmani	Biomedical Engineering
	Betty Pramlet Henry	Biomedical Engineering
	M.Subramoniam	Medical Image Processing
	S.Poornapushpakala	Instrumentation

	P.Grace Kanmani	Medical Electronics
	R.Narmadha	Wireless networks
	U.Megalatha	Process Automation
Electronic Sciences	Ms.Nandhitha.N.M	Development of Wavelet based tools and Neuro Fuzzy control Software for on-line Weld monitoring by Thermal Imaging
	Ms.A.V.K.Shanthi	Data Mining
	Ms.Prayla Shyri	Overlay Networks
	Ms.Emalda Roselind	Wireless Sensor Networks
	Ms.Rekha Franklin	Wireless Sensor Networks
	Ms.Ulagamuthalvi	Medical Image Processing
	Ms.Suchitra	SOA
	Mr.V.Veda Narayanan	Medical Image Processing
ETC	M.S. Godwin Premi	Wireless sensor networks
	S. Maflin Shaby	MEMS
	P.P. Edwin Winston	Wireless sensor networks
	T.A. Shanmugasundaram	Wireless sensor networks
	S. Subhashini	MEMS
	S. Kuzhaloli	Computer Communication
	N. Hariprasad	MIMO
	N. Prabakaran	Wireless multimedia
	V. Ganesan	Devices
	P.D. Selvam	Wimax
	M. Vadivel	OFDMA
Aeronautical	Mr. S.Kolanjiappan	Lean Management
	Mr.T.Selvakumaran	Solid Propellant combustion
	Mr.T.S.Maheshbabu	Structural analysis of NANOSAT
	Mr.M.S.Ramachandra	Control system
	Mr.Aldrin Sugin	Aircraft wing analysis

Mech & Production	Mr.S.Prakash	Machining and analysis of glass fiber reinforced composites.
	Mr.T.Sasimurugan	Composite material machining
	Ms.B.Kanimozhi	Thermal storage systems
	Mr.V.Selvakumar	Carbon Nano composite material
	Mr.A.Krishnamoorthy	Machining and analysis of carbon fiber reinforced composites.
	Mr.Balan	Experimental investigation on high velocity oxy-fuel Coating
	Mrs.T.N.Valarmathi	Studies on Machining characteristics of high performance super alloys.
Chemical	Ms. P. Manjula	Alternate Fuels
	Ms. S.S. Dawn	Catalysis
	Ms. A. Annam Renita	Fluidization Engineering
	Ms. M.R. Anandhi	Environmental Biotechnology
	Mr. A. Saravanan	Environmental Biotechnology
	Mr. Prabhu S. Mallapur	Transport Processes
	Mr. Sridhar	Environmental Engg.
	Mr. G. Sreekumar	Biotechnology
	Mr. B. Sasikumar	Biotechnology
	Mr. D. Saravanan	Environmental Engg.
	Mr. Francis Jeyapathi	Environmental Engg.
	Mr. B.S. Naveen Prasad	Environmental Engg.
Bio-Medical	Mr. S. Arokiyaraj	Anitimicrobial and immuno modulatory properties of Indian medicinal plants.
	Ms. p. Kamatchi	Nanoparticle drug delivery system utilizing bioactive compounds from marine origin.
	Ms. S. Kanimozhi	Production, purification and characterization of a highly catalytic enzyme from microorganism
	Mr. M. Saravanan	Systematic analysis of bacterial infection in septicemia suspected infants.
	Mr. C. M. Raghavan	In-vitro and in-vivo studies on anti-infective properties of extracellular polysacchride from different microorganisms.
	Mrs. A. Zarina	Synthesis of antibiotics and production of recombinant strains by protoplast fusion from selected actinomycetes.
	Ms. S. Akila	Synthesis and molecular studies of antibiotics producing <i>penicillum chrysogenum</i> and it's comparison with bio-nanoparticles
	Mr. G. Hari krishnan	ameter monitoring through internet and ecg as biometrix”
	G. Ann dollyn diana	Synthesis and characterization of

		biocompatible silver bionanoparticles (agnps) and their antibiosis against human pathogens
	Ms. N. Uthira lakshmi	Studies on production, purification and application of the cellulytic enzymes for biohydrogen production
	Mr. S. Gunanadha selvam	Studies of immobilized reactor for high-rate anaerobic treatment of LCFA containing waste water
BBA & B.Com	Mr. Gopinathan N	A study on the role of foreign institutional investors(FII) in the indian stock market
	Ms indhumathy G.S	Study of quality of worklife of women employees in it companies with reference to Chennai.
	Ms. Pramila S	Study on inventory management in indian cement manufacturing companies.
English	Ms Shilaja	
	Ms.Freeda Rajkumar	
	Ms Sugantha Ezhil Mary	
Physics	Mr. Micheal Lourdusamy	Condensed Matter Physics
	Ms. D.S. Jayalakshmi	Condensed Matter Physics
	Ms. Anitha	Crystal growth
	Ms. R. Umamaheswari	Crystal growth
	Ms. P. Malliga	Crystal growth
	Mr. C. Alosius	Crystal growth
	Mr. Anandan	Crystal growth
	Ms. V. Azeezaa	Crystal growth
	Ms. K. Rathina	Ultrasonics
	Ms. Grace	Ultrasonics
	Ms. C. Sentamilselvi	Ultrasonics
	Ms. K. Vijayalakshmi	Ultrasonics
MBA	Mrs. Chitra devi	Work Life Balance Of Women Employed In BPO
	Mrs.T.R. Kalailakshmi	A Study On CRM Practices In Retail Supermarkets
	Mrs. Bhuvaneshwari	A Study On Customer Relationship Management In Hospitals

	Mrs. Aiswarya	A Study On Role Conflict Of Employed Women In IT Sector In Chennai
	Ms. Vasantha kumari	Borrowers Perception On Retail Finance – A Study With Reference To Public And Private Sector Banks In Chennai
	Mrs. Nithya shankar	A Study On The Level Of Emotional Intelligence Of Software Professionals Working In Chennai
	Mr. Sivasubramanyan	A Comparative Study On Rural And Urban Women Self Help Groups In Tamil Nadu.
	Mr. Govidarajan	A Study On Financial Performance Analysis Of NLC
	Mrs. J. Rani	A Study On Consumer And Retailers Perception On Retail Shopping With Reference To FMCG Products In Chennai
	Mrs. J.bhavani	A Study On Industrial Relations Of Sugar Mills
	Mrs. Maya	A Study On Retention Factors On Organisational Commitment In Software Companies
	Mrs. Saranya	A Study On Role Challenges Opportunities Of Women In ITES
	Mrs. Divya sathish	A Study On Buyer Selection Towards Retail Outlets With Reference To Chennai City
	Mrs. Mily velayudhan	A Study On Competency Mapping In Training With Respect To Software Industries In Chennai
	Mrs. Angeline s	A Study On The Role Of Leadership Styles In Organization Performance Related To IT Industry In Chennai
	Mrs. Lavanya	A Study On 360 Degree Performance Appraisal In IT Industry
	KumarGandhi.R	Investors attitude towards mutual fund in Tamil nadu
	Jubi.R	Second generation entrepreneurship in kerala
	Reshmi Augustine	Marketing of life insurance products in kerala
	Loganathan .D	A study on management perspective of status and problems of 5TOPIOCA/CASSAVA INDUSTRIES IN INDIA with special reference to Tamil nadu
	Muthukumar. T	Simulation technic in Data mining and Data warehousing
	Rajaveni.N	Consumer Behaviour towards FMCG
	vinoth.M.P	E-Governance Service delivery models in India

		& their Relevance
	Stalin.R	Study of attributes that influence consumer satisfaction in car industry
	Uthira.D	Economic Implications and Sustainability of Micropensions in the era of new pension reforms in india.
	Catherine Arokia Mary .B.S.	Strategic management of people issues and cultural integration on mergers and acq.
	Geetha.M	To study the competitive edge gained through event sponsorship.
	Sasinandini.S	Role of private label brands in store patronage
	Shanti Malaichamy.T	SHRM in measuring organizational effectiveness
	Rangarajan.V.S	Study on strategy towards healthy growth of the Indian cotton garment industry.
	Venkatramana Babu.P.G	A study to analyse the effect of six sigma in industrial hotel industry.
	Kolanchiappan.S	Lean principles in maintenance of aircraft
	Ramesh.K.N	Analysis of mutual funds performance in india.
	Sathyanarayanan.K.S	Stress management of employees in software industry with reference to south india.
	Priyadarsini.P	Emotional quotient of wo21men employee in B P O sector.
	Madurai.M	Employees turn over in SSI in Tamil nadu
	Baba.M	Analysis of risk and return of banking industries stock
	Arunachalam.M.S	Strategic development of women entrepreneurship with reference to tamil nadu
	Dileep.G	Construction of typical methodology to implement six sigma in medium level hospital in Tamil nadu.
	Daniel Raj Kumar .M	performance analysis of mutual funds in India.
	Prasanna.G	Measurement of job satisfaction levels among the employees of corporate hospitals in Tamil nadu.
	Satish.R	Economic added challenges in India :The ideal measure of shareholders wealth
	Devika.U	Employee turnover in service sector in Chennai.
	Jothi Thangaselvi.C	Service gaps in petroleum industries
	Sampath kumar.B	A study on development of universally accepted unique identification card for patients.
	Kannika parameswari.R	Training effectiveness

	Palanivelu.S	Development of model to provide security system based on threat perceptions with optimal utilization of resources through probabilistic approach.
	Manoharan.P	effectiveness of ISO&TQM on coal based thermal power stations in India
	JayaShree.V	Ana Analysis of effective training methodologies for service industries in Chennai
	Rathna.D	A study and analysis of strategic impact of enterprise resources planning in manufacturing industry.
	Neelakantha Gugesh.J	Ana analysis of managing human resources in global virtual team
	Durga Devi Pradeep	A comparative study of TQM between private engineering college & universities in tamilnadu
	JeyaPaul.K.N	A market on consumer durables
	Umesh Kumar shukal	A study on Special economic zones (SEZs) the viability in the Indian context as an export promotion measure
	Bala Sendhil Kumar	A study on E-procurement practices in selected companies in India
	SelvaBasker.T	A study on factor influencing the ethical behavior of consumer's in purchasing pharma products.
	Arthur Davis	Determination of flow of mental tubular specimen by carrying out experimental thermal analysis with aid of software and validate it with IR and thermal imaging
	Rama Vishesh	Moving towards financial inclusion in India
	Ramesh.P	A study on the consumption of edible oils in tamilnadu
MCA	Ms. Meera Gandhi	Web Mining
	Mr. B. Muthukumar	Network Security
	Mr. S. Murugan	Web Services
	Ms. E.S. Shamila	Web Services
	Mr. D. Saravanan	Data Mining
	Ms. R. Sundaram	Web Services
	Mr. C. Jayaprakash	Web Services
	Mr. A. Jesudoss	Web Services

	Ms. TamilSelvi	Network Security
	Ms. P.Karthigayani	Data Mining
	Ms. Ragavi	Network Security



#### ANNEXURE IV

The University also gives the cash prize for the faculties who have excelled in their teaching by producing 100% Results in the University Semester Examinations. The Cash Prize awardees for the period June 2008 to May2009 are given as follows.

Sl.No	Staff Name	Department
1	Ms.R.Ramya	EIE
2.	Dr.M.Lakshmi	CSE
3.	Mr.G.Mthivanan	CSE
4.	Mrs.Sasikala Madhu	CSE
5.	Mr.Aroul Ganesane	CSE
6.	Mr.Albert Mayan	CSE
7.	Ms.Bharathi	CSE
8.	Ms.Ankayarkanni	CSE
9.	Mr.Kamesh	CSE
10.	Mr.PremJacog	CSE
11.	Ms.Prince Mary	CSE
12.	Ms.Joshilla Grace	CSE
13.	Ms.Umapathi	CSE
14.	Mr.Lakshmanan	CSE
15.	Ms.Vijaya	CSE
16.	Mr.Sathappan	CSE
17.	Mr.K.Sivakumar	B.Ed
18.	Ms.A.H.Komala	B.Ed
19.	Ms.Nalini.V	B.Ed
20.	Ms.G.SeethaLakshmi	B.Ed
21.	Mr. N. Hariprasad	ETCE

22.	N. Prabakaran	ETCE
23.	Ms.Femilda Josephine	IT
24.	.Ms.Sandhya	IT
25.	.Ms.Gowri	IT
26.	.Ms.Subhashini	IT
27.	.Ms.Dr.T.Sasiprabha	IT
28.	.Ms.Jeyanthi	IT
29.	Ms.Revathy	IT
30.	Mr.Justin	IT
31.	Ms.Vimali	IT
32.	Mr.Igni sebasti prabhu	IT
33.	Ms.Nirmalrani	IT
34.	Ms.Vijayakaveri	IT
35.	Ms.Maria Anu	IT
36.	Mr.J.J.Anand	CHEM
37.	Dr.A.Anitha	CHEM
38.	Dr.Durgajeevitha	CHEM
39.	Dr.Raja Amarnath	CHEM
40.	Mr.Annam Renitha	CHEM
41.	Ms.N.T.Mary Rossana	CHEM
42.	Ms.A.Jayaprada	CHEM
43.	Ms.C.Praveena	CHEM
44.	Mr.B.S.Naveen Prasad	CHEM
45.	A.Saravanan	CHEM

<b>46.</b>	Dr.E.Logashanmugam	ECE
<b>47.</b>	Dr.V.Kannan	ECE
<b>48.</b>	Mr.S.Rajarajan	ECE
<b>49.</b>	Mr.T.Ravi	ECE
<b>50.</b>	Mr.K.V.Karthikeyan	ECE
<b>51.</b>	Mr.Kishore Sonti	ECE
<b>52.</b>	Ms.Sundari.G	ECE
<b>53.</b>	Ms.Nisha	ECE
<b>54.</b>	Ms.Sumathi.M	ECE

## ANNEXURE V

### 19. Teachers and Officers newly recruited:

#### CSE

- **Teaching staff:**

SL.N O	NAME	QUALIFICATION	DESGN
1.	Ms. Asha	M.E (CSE)	Lecturer
2.	Mr. K Mohana Prasad	M.E(CSE)	Lecturer
3.	Ms. Jebarlin Sheneegah	M.E(CSE)	Lecturer
4.	Ms. Godlin Jasil	M.E(CSE)	Lecturer
5.	Ms. S Bhanumathi	M.E(CSE)	Lecturer
6.	Ms. Anjali Nair	B.E(CSE) (ME)	Lecturer
7.	Ms. A Mary Posonia	M.E(CSE)	Senior Lecturer

- **Technical Staff**

SL.N O	NAME	QUALIFICATION	DESGN
1.	Ms. R.M Sahaya Jeniha	B.Sc,(MBA)	Lab Technician
2.	Ms. Julie Darbini	B.Sc,(MBA)	Lab Technician
3.	Ms. Mary Sheela	B.Sc,(MCA)	Lab Technician
4.	Mr. Venkatesh	B.E	Lab Technician

#### IT

#### Teaching staff

SL.NO	NAME	QUALIFICATION	DESGN
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1. 1	Ms.Ajitha	ME (CSE)	SeniorLecturer
2.	Mr. G.V. Sam Kumar	M.Tech.(IT)	
3.	Mr. R. Surendran	M. Tech(IT)	
4.	Ms. R. Manjusha	M. Tech(IT)	
5.	Ms. A. Sivasangari	ME (CSE)	
6.	Ms. E. Christal Joy	ME (CSE)	
7.	Ms. R. Subharani	ME (CSE)	
8.	Ms. Minu Prince	ME (CSE)	
9.	Ms. Indira	ME (CSE)	

## ECE

### Teaching staff

SI.NO	NAME	QUALIFICATION	DESGN
1.	Ms.Mohana Priya	M.Tech. VLSI	
2.	Ms.Anna Devi	M.E Communication & Engg.,	
3.	Ms.Sahaya Jose Majila.	M.Tech. VLSI	
4.	Ms.R.M.Joany	ME Applied Electronics	

## ETCE

### Teaching staff

SI.NO	NAME	QUALIFICATION	DESGN
1.	Mr.K.Dayanandhan	M.E	Senior Lecturer
2.	Mr.M.Vadivel	M.E	Lecturer

3.	Mr.S.Rajasekaran	M.Tech	Lecturer
4.	Mr.A.Aranganathan	M.E	Lecturer
5.	Mr.Sreejith L.Das	M.E	Lecturer
6.	Mr.S.Siva Sundara Pandian	M.Tech	Lecturer
7.	Mr.S.Raja	M.E	Lecturer
8.	Ms.L.Escalin Tresa	M.E.	Lecturer
9.	Mr.E.Rajinikanth	M.E	Lecturer
10.	Mr.S.Stephen John	M.E	Lecturer
11.	Mr.T.Arul Kumaran	M.E	Lecturer

### EEE

SLNO	NAME	QUALIFICATION	DESGN
1.	Mr.J.Barnabas Paul Glady	ME	Lecturer
2.	Ms.S.Nirmala	ME	Lecturer
3.	Ms.J.Komathi	ME	Lecturer
4.	Ms.R.Meena Devi	ME	Lecturer
5.	Ms.V.Geetha	ME	Lecturer
6.	Ms.V.Kavitha	ME	Lecturer
7.	Ms.V.Pramila	ME	Lecturer
8.	Ms.K.A.Rani Fathima	ME, (Ph.D.,)	Lecturer
9.	Ms.V.Revathy	ME	Lecturer
10.	Ms.M.Preethi Pauline Mary	ME	Lecturer
11.	Ms.A.Inba Raxy	ME	Lecturer
12.	Mr.S.Jaya Prakash	ME	Lecturer

## E&C

### Teaching Staff:

SL.NO	NAME	QUALIFICATION	DESGN
1.	P.Ganesan	ME (E&C)	Lecturer
2.	R.Narmadha	ME(Mechetronics)	Asst. Professor
3.	J.Premalatha	M.Tech Electronics & comm	Lecturer
4.	D.Nirmala	ME (VLSI)	Lecturer

### Technical Staff

SL.N O	NAME	QUALIFICATION	DESGN
1.	K.Palanivel	M.Sc electronics	Lab Technician
2.	G.Sajiv	BE E&I	Lab Technician

## E&I

### Teaching Staff:

SL.NO	NAME	QUALIFICATION	DESGN
1.	Mr. A.Manikandan	ME (Applied Electronics)	Lecturer
2.	Mr. V.H.Sudhakar Reddy	ME (Control &Instrumentation)	Lecturer
3.	Ms.R.Rajalakshmi	ME(Electronics & Control)	Lecturer

## MECH

### Teaching Staff:

SL.NO	NAME	QUALIFICATION	DESGN
1.	Mr S. Senthil kumar	ME(thermal )	Lecturer
2.	Mr. Hariharan	ME(thermal )	Lecturer
3.	Mr. Vidyasagar matt	ME( manufacturing)	Lecturer
4.	Mr. Yuvarajan	ME( energy)	Lecturer
5.	Mr . Beem kumar	ME( energy)	Lecturer
6.	Mr .Dileep kuamar Sahoo	ME( auto)	Lecturer
7.	Mrs. Shiva sankari	ME(auto	Lecturer
8.	Mr .Parthasarathi	Be (auto)ME( cad)	Lecturer

## MECHPRO

### Teachinh Staff

SL.NO	NAME	QUALIFICATION	DESGN
1.	Mr.S.Ganesh	ME(CAD)	Lecturer
2.	Mr.S.Porcelamban	ME( Product Design & commerce)	Lecturer

### Non Teaching Staff

SL.NO	NAME	QUALIFICATION	DESGN
1.	Mr.S.Sahaya Rubinson	BE Mech & diploma in Pro E &auto cad	Lab Technician
2.	Mr.R.Madhusoothanan	ITI - Welder	Lab Technician



## CHEM

### Teaching staff

SL.NO	NAME	QUALIFICATION	DESGN
1.	Mr. S. Kumaravel	ME (Chem), (Ph.D.)	Senior Lecturer
2.	D. Venkatesan	ME(Chem)	Senior Lecturer
3.	J. Aravindh Kumar	ME(Environmental)	Lecturer

### Non-Teaching staff:

SL.N O	NAME	QUALIFICATION	DESGN
1.	Mr. A. Suresh	Diploma	Lab Technical Asst
2.	Ms. A.S. Anitha	Diploma	Lab Technical Asst

## BIOINFO

No. of Teaching Staff: 07

No. of Non Teaching Staff: 03

## MBA

SL.N O	NAME	QUALIFICATION	DESGN
1.	Mrs. Angeline S	MBA	Lecturer
2.	Ms. Shanthi A.	MBA	Lecturer
3.	Mrs. Uma Maheswari	MBA	Lecturer
4.	Ms. Kavitha Rajayogan	MBA	Lecturer
5.	Mrs. Lavanya M.	MBA	Lecturer

6.	Mr. Senthilkumar	MBA	Lecturer
7.	Ms. Anandhi S	MBA	Lecturer
8.	Mr. Ganesh M.	MBA	Lecturer
9.	Mr. John Paul	MBA	Lecturer
10.	Mrs. Chandrani Ghosh	M.Sc. (Economics)	Lecturer
11.	Mrs. Priyada sudhakaran	MBA	Lecturer

## MCA

### Teaching Staff:

Sl.NO	NAME	QUALIFICATION	DESGN
1.	Ms.P.Karthigayani	MCA	Lecturer
2.	Ms.M.D.Anto Praveena	MCA	Lecturer
3.	Mr.P.K.Yakeshwaran	MCA	Lecturer
4.	Mr.Jothi Venkatesh	MCA	Lecturer
5.	Ms.Thamizhchelvy.K	MCA	Lecturer
6.	Ms.Ragavi.V	MCA	Lecturer
7.	Ms.A.C.Shantha Sheela	MCA	Lecturer
8.	Ms.L.Suji Helen	MCA	Lecturer
9.	Ms.J.Jayanthi	MCA	Lecturer
10.	Ms.Mary Immaculate	MCA	Lecturer
11.	Ms.S.Sterose	MCA	Lecturer
12.	Ms.B.Mary Reni	MCA	Lecturer
13.	Ms.J.Jesila Mol	MCA	Lecturer
14.	Ms.Jancy.S	MCA	Lecturer
15.	Ms.Shabana Asmi	MCA	Lecturer
16.	Mr.SomaSundaram	MCA	Lecturer

17.	Ms. K Gomathi	MCA	Lecturer
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## ELECTRONIC SCIENCE

### Teaching staff:

SL.N O	NAME	QUALIFICATION	DESGN
1.	Ms.Brumancia	ME (CSE)	Lecturer
2.	Ms.Mercy Paul Selvam	ME (CSE)	Lecturer
3.	Ms.Mistica Dhas	MCA, (M.Tech(IT))	Lecturer
4.	Ms.Karunya	M.Tech. (IT)	Lecturer
5.	Ms.Preethi	MCA, (ME(CSE))	Lecturer

### Non Teaching Staff:

SL.N O	NAME	QUALIFICATION	DESGN
1.	Mr.Karthick	Diploma in IT	Lab Assistance
2.	Mr.Azarudeen	Diploma in ECE	System Adminstrator

**PHYSICS**  
**Teaching Staff**

SL.N O	NAME	QUALIFICATION	DESGN
1.	Ms.M.Manjula	M.Sc., M.Phil. PGDCA	Lecturer

ANNEXURE VI

IEEE ONLINE JOURNALS LIST

Annexure -1a

Sl.No.	Title
1.	Acoustics, Speech, and Signal Processing Newsletter, IEEE
2.	Advanced Packaging, IEEE Transactions on [see also Components, Packaging and Manufacturing Technology, Part B: Advanced Packaging, IEEE Transactions on]
3.	Aerospace and Electronic Systems Magazine, IEEE
4.	Aerospace and Electronic Systems, IEEE Transactions on
5.	Annals of the History of Computing, IEEE
6.	Antennas and Propagation Magazine, IEEE
7.	Antennas and Wireless Propagation Letters
8.	Audio, Speech and Language Processing, IEEE Transactions on [see also Speech and Audio Processing, IEEE Transactions on]
9.	Automatic Control, IEEE Transactions on
10.	Automation Science and Engineering, IEEE Transactions on [see also Robotics and Automation, IEEE Transactions on]
11.	Biomedical Engineering, IEEE Transactions on
12.	Broadcasting, IEEE Transactions on
13.	Circuits and Devices Magazine, IEEE
14.	Circuits and Systems for Video Technology, IEEE Transactions on
15.	Circuits and Systems I: Regular Papers, IEEE Transactions on
16.	Circuits and Systems I: Fundamental Theory and Applications, IEEE Transactions on
17.	Circuits and Systems II: Express Briefs, IEEE Transactions on [see also Circuits and Systems II: Analog and Digital Signal Processing, IEEE Transactions on]
18.	Circuits and Systems Magazine, IEEE
19.	Communications Letters, IEEE
20.	Communications Magazine, IEEE
21.	Communications Society: A Digest of News and Events of Interest to Communications Engineers
22.	Communications Surveys & Tutorials, IEEE
23.	Communications, IEEE Transactions on
24.	Component Parts, IEEE Transactions on
25.	Components and Packaging Technologies, IEEE Transactions on [see also Components, Packaging and Manufacturing Technology, Part A: Packaging Technologies, IEEE Transactions on]
26.	Computational Biology and Bioinformatics, IEEE/ACM Transactions on
27.	Computational Intelligence Magazine, IEEE
28.	Computer
29.	Computer Architecture Letters, IEEE
30.	Computer Graphics and Applications, IEEE
31.	Computer-Aided Design of Integrated Circuits and Systems, IEEE Transactions on
32.	Computers, IEEE Transactions on

33.	Computing in Science & Engineering [see also IEEE Computational Science and Engineering]
34.	Concurrency, IEEE [see also IEEE Parallel & Distributed Technology]
35.	Consumer Electronics, IEEE Transactions on
36.	Control Systems Magazine, IEEE
37.	Control Systems Technology, IEEE Transactions on
38.	Dependable and Secure Computing, IEEE Transactions on
39.	Design & Test of Computers, IEEE
40.	Device and Materials Reliability, IEEE Transactions on
41.	Dielectrics and Electrical Insulation, IEEE Transactions on [see also Electrical Insulation, IEEE Transactions on]
42.	Display Technology, Journal of
43.	Distributed Systems Online, IEEE
44.	Education, IEEE Transactions on
45.	Electrical and Computer Engineering, Canadian Journal of
46.	Electrical Insulation Magazine, IEEE
47.	Electromagnetic Compatibility, IEEE Transactions on
48.	Electron Device Letters, IEEE
49.	Electron Devices, IEEE Transactions on
50.	Electronic Materials, IEEE/TMS Journal of
51.	Electronics Packaging Manufacturing, IEEE Transactions on [see also Components, Packaging and Manufacturing Technology, Part C: Manufacturing, IEEE Transactions on]
52.	Energy Conversion, IEEE Transactions on
53.	Engineering in Medicine and Biology Magazine, IEEE
54.	Engineering Management Review, IEEE
55.	Engineering Management, IEEE Transactions on
56.	Evolutionary Computation, IEEE Transactions on
57.	Fuzzy Systems, IEEE Transactions on
58.	Geoscience and Remote Sensing Letters, IEEE
59.	Geoscience and Remote Sensing, IEEE Transactions on
60.	Image Processing, IEEE Transactions on
61.	Industrial Electronics, IEEE Transactions on
62.	Industrial Informatics, IEEE Transactions on
63.	Industry Applications Magazine, IEEE
64.	Industry Applications, IEEE Transactions on
65.	Information Forensics and Security, IEEE Transactions on
66.	Information Technology in Biomedicine, IEEE Transactions on
67.	Information Theory, IEEE Transactions on
68.	Instrumentation & Measurement Magazine, IEEE
69.	Instrumentation and Measurement, IEEE Transactions on
70.	Intelligent Systems, IEEE [see also IEEE Intelligent Systems and Their Applications]
71.	Intelligent Transportation Systems, IEEE Transactions on
72.	Internet Computing, IEEE
73.	IRE Professional Group on Audio, Newsletter of the

74.	IT Professional
75.	Knowledge and Data Engineering, IEEE Transactions on
76.	Latin America Transactions, IEEE (Revista IEEE America Latina)
77.	Lightwave Technology, Journal of
78.	LTS, IEEE [see also IEEE LCS]
79.	Magnetics, IEEE Transactions on
80.	Manufacturing Technology, IEEE Transactions on
81.	Mechatronics, IEEE/ASME Transactions on
82.	Medical Imaging, IEEE Transactions on
83.	Micro, IEEE
84.	Microelectromechanical Systems, Journal of
85.	Microwave and Wireless Components Letters, IEEE [see also IEEE Microwave and Guided Wave Letters]
86.	Microwave Magazine, IEEE
87.	Microwave Theory and Techniques, IEEE Transactions on
88.	Mobile Computing, IEEE Transactions on
89.	Multimedia, IEEE
90.	Multimedia, IEEE Transactions on
91.	Nanobioscience, IEEE Transactions on
92.	Nanotechnology, IEEE Transactions on
93.	Network, IEEE
94.	Networking, IEEE/ACM Transactions on
95.	Neural Networks, IEEE Transactions on
96.	Neural Systems and Rehabilitation Engineering, IEEE Transactions on [see also IEEE Trans. on Rehabilitation Engineering]
97.	Nuclear Science, IEEE Transactions on
98.	Parallel and Distributed Systems, IEEE Transactions on
99.	Pattern Analysis and Machine Intelligence, IEEE Transactions on
100.	Pervasive Computing, IEEE
101.	Photonics Technology Letters, IEEE
102.	Plasma Science, IEEE Transactions on
103.	Potentials, IEEE
104.	Power and Energy Magazine, IEEE
105.	Power Apparatus and Systems, IEEE Transactions on
106.	Power Delivery, IEEE Transactions on
107.	Power Electronics Letters, IEEE
108.	Power Electronics, IEEE Transactions on
109.	Power Systems, IEEE Transactions on
110.	Proceedings of the IEEE
111.	Product Engineering and Production, IEEE Transactions on
112.	Professional Communication, IEEE Transactions
113.	Quantum Electronics, IEEE Journal of
114.	Reliability, IEEE Transactions on
115.	Robotics & Automation Magazine, IEEE
116.	Robotics, IEEE Transactions on [see also Robotics and Automation, IEEE Transactions

	on]
117.	Security & Privacy Magazine, IEEE
118.	Selected Areas in Communications, IEEE Journal on
119.	Selected Topics in Quantum Electronics, IEEE Journal of
120.	Semiconductor Manufacturing, IEEE Transactions on
121.	Sensors Journal, IEEE
122.	Signal Processing Letters, IEEE
123.	Signal Processing Magazine, IEEE
124.	Signal Processing, IEEE Transactions on [see also Acoustics, Speech, and Signal Processing, IEEE Transactions on]
125.	Software Engineering, IEEE Transactions on
126.	Software, IEEE
127.	Solid-State Circuits, IEEE Journal of
128.	Spectrum, IEEE
129.	Systems, Man and Cybernetics, Part A, IEEE Transactions on
130.	Systems, Man and Cybernetics, Part B, IEEE Transactions on
131.	Systems, Man and Cybernetics, Part C, IEEE Transactions on
132.	Technology and Society Magazine, IEEE
133.	Ultrasonics, Ferroelectrics and Frequency Control, IEEE
134.	Vehicular Communications, IEEE Transactions on
135.	Vehicular Communications, IRE Transactions on
136.	Vehicular Communications, Transactions of the IRE Professional Group on
137.	Vehicular Technology Magazine, IEEE
138.	Vehicular Technology, IEEE Transactions on
139.	Very Large Scale Integration (VLSI) Systems, IEEE Transactions on
140.	Visualization and Computer Graphics, IEEE Transactions on
141.	Wireless Communications, IEEE Transactions on
142.	Wireless Communications, IEEE [see also IEEE Personal Communications]

- All the conference proceedings of IEEE
- Standards
- Books

Also available on <http://www.ieeexplore.ieee.org>



American Society of Mechanical Engineers International (ASME) ONLINE JOURNALS

Annexure -1b

S.No.	Title
1.	Applied Mechanics Reviews
2.	Journal of Applied Mechanics
3.	Journal of Biomechanical Engineering
4.	Journal of Computational and Nonlinear Dynamics
5.	Journal of Computing and Information Science in Engineering
6.	Journal of Dynamic Systems, Measurement, and Control
7.	Journal of Electronic Packaging
8.	Journal of Energy Resources Technology
9.	Journal of Engineering for Gas Turbines and Power
10.	Journal of Engineering Materials and Technology
11.	Journal of Fluids Engineering
12.	Journal of Fuel Cell Science and Technology
13.	Journal of Heat Transfer
14.	Journal of Manufacturing Science and Engineering
15.	Journal of Mechanical Design
16.	Journal of Offshore Mechanics and Arctic Engineering
17.	Journal of Pressure Vessel Technology
18.	Journal of Solar Energy Engineering
19.	Journal of Tribology
20.	Journal of Turbomachinery
21.	Journal of Vibration and Acoustics

American Society of Civil Engineers (ASCE) ONLINE JOURNALS  
Annexure -1c

<u>S.No.</u>	<u>Title</u>
1.	International Journal of Geomechanics
2.	Journal of Aerospace Engineering
3.	Journal of Architectural Engineering
4.	Journal of Bridge Engineering
5.	Journal of Cold Regions Engineering
6.	Journal of Composites for Construction
7.	Journal of Computing in Civil Engineering
8.	Journal of Construction Engineering and Management
9.	Journal of Energy Engineering
10.	Journal of Engineering Mechanics
11.	Journal of Environmental Engineering
12.	Journal of Geotechnical and Geoenvironmental Engineering
13.	Journal of Hydraulic Engineering
14.	Journal of Hydrologic Engineering
15.	Journal of Infrastructure Systems
16.	Journal of Irrigation and Drainage Engineering
17.	Journal of Management in Engineering
18.	Journal of Materials in Civil Engineering
19.	Journal of Performance of Constructed Facilities
20.	Journal of Professional Issues in Engineering Education and Practice
21.	Journal of Structural Engineering
22.	Journal of Surveying Engineering
23.	Journal of Transportation Engineering
24.	Journal of Urban Planning and Development
25.	Journal of Water Resources Planning and Management
26.	Journal of Waterway, Port, Coastal, and Ocean Engineering
27.	Leadership and Management in Engineering
28.	Natural Hazards Review
29.	Practice Periodical of Hazardous, Toxic, and Radioactive Waste Management
30.	Practice Periodical on Structural Design and Construction

### List of Printed Magazines

1. AUTO CAR
2. AUTO INDIA
3. BUSINESS INDIA
4. BUSINESS WORLD
5. BUSINESS & MARKETING
6. CHARTERED ACCOUNTANT
7. CHARTERED FINANCIAL ANALYST
8. CHIP
9. OVER DRIVE
10. CIVIL ENGINEERING & CONSTRUCTION REVIEW
11. COMPETITION MASTER, THE
12. COMPETITION REFRESHER
13. COMPETITION SUCCESS REVIEW
14. COMPETITION WIZARD
15. COMPUTER GRAPHICS WORLD
16. DALAL STREET
17. DATA QUEST
18. DEVELOPER IQ
19. DIGIT
20. DOWN TO EARTH
21. EDN MAGAZINE
22. ELECTRONIC DESIGN
23. ELECTRONICS FOR YOU
24. ELECTRONICS TODAY
25. ELECKTOR ELECTRONICS
26. EVERYDAY PRACTICAL ELECTRONICS
27. EXPRESS COMPUTER
28. FRONT LINE
29. GENERAL KNOWLEDGE
30. GIS DEVELOPMENT
31. GIS INDIA
32. GPS WORLD
33. INDIAN CONSTRUCTION
34. INDUSTRIAL AUTOMATION
35. INDUSTRIAL ECONOMIST
36. INDUSTRIAL PRODUCTS FINDER
37. INFORMATION TECHNOLOGY
38. JUNIOR SCIENCE REFRESHER
39. BUSINESS TODAY
40. LINUX FOR YOU
41. LIVING DIGITAL

42. MANAGEMENT ACCOUNTANT
43. NETWORK COMPUTING
44. NETWORK MAGAZINE
45. OUTLOOK MONEY
46. OUTLOOK
47. PC MAGAZINE
48. PC QUEST
49. SCIENCE REPORTER
50. SEARCH
51. SPORTS STAR
52. TAMIL COMPUTER
53. VOICE & DATA
54. CAPITAL MARKET
55. EMPLOYMENT & NRI TIMES
56. ADVANCE'EDGE
57. NEWSWEEK
58. HARDNEWS
59. FORTUNE INDIA
60. BUSINESS WEEK
61. THE WEEK
62. INDIAN MANAGEMENT
63. BIOSPECTRUM
64. AV MAX
65. THE GLOBAL EDUCATOR
66. COMPETITION SCIENCE VISION
67. SCICNEC PATRON
68. ELECTRONICS MAKER
69. MANAGEMENT EDUCATION
70. TRAINING MANAGEMENT
71. EMPLOYMENT INFORMATION
72. PC WORLD
73. EVERYMAN'S SCIENCE
74. MOTORING

List of Printed Journals

S.No.	Name of the Journal
1.	INTERNATIONAL JOURNAL ON INFORMATION SCIENCES AND COMPUTING
2.	INTERNATION JOURNAL ON DESIGN AND MANUFACTURING TECHNOLOGIES
3.	INTERNATIONAL JOURNAL ON INTELLIGENT ELECTRONIC SYSTEMS
4.	INTERNATIONAL JOURNAL ON "APPLIED BIOENGINEERING"
5.	ACM JOURNAL
6.	COMPUTERS MATERIALS & CONTINUA
7.	ACM COMMUNICATIONS
8.	ACM TRANS. ON INFN.SYS. SECURITY
9.	CSI COMMUNICATIONS
10.	COMPUTER NETWORKS
11.	INTERFACES
12.	ACM TRANS. ON PROGRAMMING LANGUAGE & SYSTEMS
13.	ACM SP.INT.GRP. PROGRAMMING LANGUAGES
14.	ACM TRANS. ON MATHEMATICAL SOFTWARE
15.	SYS ADMIN
16.	ACM SPL.INT.GRP.MGT.INFN. SYSTEMS
17.	ACM TRANS. ON MULTIMEDIA COMP., COMPUTING COMMS. & APPLICATIONS
18.	CAMBRIDGE JOURNAL OF ECONOMICS
19.	ENERGY POLICY
20.	JOURNAL OF INDUSTRIAL ECONOMICS
21.	JOURNAL OF INTELLECTUAL PROPERTY RIGHTS
22.	CORPORATE AND SECURITIES LAW, THE ICFAI JOURNAL OF
23.	AMERICAN JOURNAL OF SCIENCE
24.	JOURNAL OF SCIENTIFIC & INDUSTRIAL RESEARCH
25.	INDIAN SCIENCE ABSTRACTS
26.	AMERICAN MATHEMATICAL MONTHLY
27.	JOURNAL OF APPLIED MATHEMATICS & COMP.
28.	QUATRTERLY JOURNAL OF MATHEMATICS
29.	MATHEMATICS
30.	JOURNAL OF FOURIER ANALYSIS & APPLICATION
31.	POTENTIAL ANALYSIS
32.	CURRENT TITLES IN ELECTROCHEMISTRY
33.	INDIAN JOURNAL OF EXP. BIOLOGY
34.	BIOINFORMATICS
35.	INDIAN JOURNAL OF BIOCHEMISTRY & BIO PHYSICS

36.	INDIAN JOURNAL OF MICROBIOLOGY
37.	INDIAN DRUGS
38.	QUARTERLY JOURNAL OF MECHANICES & APP.
39.	IBM JOURNAL OF RESEARCH & DEVELOPMENT
40.	JOURNAL OF MATERIALS RESEARCH
41.	JOURNAL OF BIOMATERIALS SCIENCE
42.	MATERIALS SCIENCE & TECHNOLOGY
43.	APPLIED PHYSICS LETTERS (TIER 1)
44.	ELECTRICAL INDIA
45.	IEE REVIEW
46.	ASHRAE JOURNAL
47.	STRUCTURAL ENGINEER
48.	STRUCTURAL ENGG. & MECHANICS
49.	STEEL & COMPOSITE STRUCTURES
50.	COMPUTERS & CONCRETE
51.	INDIAN HIGHWAYS
52.	AMERICAN WATER WORKS ASSN. JOURNAL
53.	POLLUTION RESEARCH
54.	ENVIRONMENTAL POLLUTION CONTROL JOURNAL
55.	BUSINESS STRATEGY, THE ICFAI JOURNAL OF
56.	AEROSPACE SCIENCE & TECHNOLOGY
57.	IEE PROC. CONT. THEORY & APPLNS.
58.	ACCOUNTING RESEARCH, THE ICFAI JOURNAL OF
59.	JOURNAL OF BUSINESS
60.	IEEMA JOURNAL
61.	KNOWLEDGE MANAGEMENT, THE ICFAI JOURNAL OF
62.	MANAGEMENT RESEARCH, THE ICFAI JOURNAL OF
63.	APPLIED FINANCE, THE ICFAI JOURNAL OF
64.	FINANCERISK MANAGEMENT, THE ICFAI JOURNAL OF
65.	JOURNAL OF HUMAN RESOURCES
66.	ICFAI HRM REVIEW
67.	ICFAI JOURNAL OF ORGNL. BEHAVIOUR
68.	INDIAN JOURNAL OF INDUSTRIAL RELATIONS
69.	MANAGERIAL ECONOMICS, THE ICFAI JOURNAL OF
70.	INFORMATION TECHNOLOGY & MANAGEMENT
71.	INFORMATION TODAY
72.	ENTREPRENEURSHIP DEVELOPMENT, THE ICFAI JOURNAL OF
73.	PRODUCTION & OPERATIONS MANAGEMENT
74.	OPERATIONS MANAGEMENT, THE ICFAI JOURNAL OF
75.	SUPPLY CHAIN MANAGEMENT, THE ICFAI JOURNAL OF
76.	JOURNAL OF CONSUMER RESEARCH
77.	INDIAN JOURNAL OF MARKETING
78.	SERVICE MARKETING, THE ICFAI JOURNAL OF
79.	DERIVATIVES MARKETS, THE ICFAI JOURNAL OF
80.	BRAND MANAGEMENT, THE ICFAI JOURNAL OF

81.	CHEMICAL ENGINEERING
82.	JOURNAL OF CHEMICAL EDUCATION
83.	NANDHINI CHEMICAL JOURNAL
84.	PROCESS ENGINEERING
85.	ADVANCED BIOTECH
86.	INDIAN JOURNAL OF BIOTECHNOLOGY
87.	AMERICAN MACHINIST
88.	MACHINERY
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90.	PATON WELDING JOURNAL
91.	CONCRETE PRODUCTS

SPRINGER LINK ONLINE JOURNALS

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1	Accreditation and Quality Assurance	769
2	Acta Applicandae Mathematica	10440
3	Acta Biotheoretica	10441
4	Acta Ethologica	10211
5	Acta Informatica	236
6	Acta Mathematica Sinica	10114
7	Acta Mathematicae Applicatae Sinica	10255
8	Acta Mechanica	707
9	Acta Mechanica Sinica	10409
10	Acta Mechanica Solida Sinica	10338
11	Administration and Policy in Mental Health	10488
12	Adsorption	10450
13	Advances in Computational Mathematics	10444
14	Advances in Health Sciences Education	10459
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16	Aerobiologia	10453
17	African Archaeological Review	10437
18	AGE	11357
19	Agriculture and Human Values	10460
20	Agroforestry Systems	10457
21	AI & SOCIETY	146
22	AIDS and Behavior	10461
23	algebra universalis	12
24	Algebras and Representation Theory	10468
25	Algorithmica	453
26	Allgemeines Statistisches Archiv	10182
27	American Journal of Community Psychology	10464
28	American Journal of Dance Therapy	10465
29	Amino Acids	726

30	Analog Integrated Circuits and Signal Processing	10470
31	Analytical and Bioanalytical Chemistry	216
32	Angiogenesis	10456
33	Animal Cognition	10071
34	Annales Henri Poincaré	23
35	Annali di Matematica Pura ed Applicata	10231
36	Annals of Combinatorics	26
37	Annals of Finance	10436
38	Annals of Global Analysis and Geometry	10455
39	Annals of Mathematics and Artificial Intelligence	10472
40	Annals of Biomedical Engineering	10439
41	Annals of Operations Research	10479
42	The Annals of Regional Science	168
43	Antonie van Leeuwenhoek	10482
44	Apoptosis	10495
45	Applicable Algebra in Engineering, Communication and Computing	200
46	Applications of Mathematics	10492
47	Applied Categorical Structures	10485
48	Applied Composite Materials	10443
49	Applied Intelligence	10489
50	Applied Mathematics and Optimization	245
51	Applied Microbiology and Biotechnology	253
52	Applied Physics A	339
53	Applied Physics B	340
54	Applied Psychophysiology and Biofeedback	10484
55	Aquaculture International	10499
56	Aquatic Ecology	10452
57	Aquatic Geochemistry	10498
58	Aquatic Sciences - Research across Boundaries	27
59	Archiv der Mathematik	13
60	Archival Science	10502
61	Archive of Applied Mechanics	419
62	Archive for History of Exact Sciences	407
63	Archive for Mathematical Logic	153
64	Archive for Rational Mechanics and Analysis	205
65	Archives of Environmental Contamination and Toxicology	244
66	Archives of Microbiology	203
67	Archives of Sexual Behavior	10508
68	Archives of Toxicology	204
69	Argumentation	10503
70	Artificial Intelligence and Law	10506
71	Artificial Intelligence Review	10462
72	Artificial Life and Robotics	10015



73	Asia Pacific Journal of Management	10490
74	Asia Europe Journal	10308
75	Asia-Pacific Financial Markets	10690
76	The Astronomy and Astrophysics Review	159
77	Astrophysics and Space Science	10509
78	Atlantic Economic Journal	11293
79	Automated Software Engineering	10515
80	Autonomous Agents and Multi-Agent Systems	10458
81	Autonomous Robots	10514
82	Axiomathes	10516
83	Behavior Genetics	10519
84	Behavioral Ecology and Sociobiology	265
85	Biochemical Genetics	10528
86	BioControl	10526
87	Biodegradation	10532
88	Biodiversity & Conservation	10531
89	Biogeochemistry	10533
90	Biogerontology	10522
91	Biologia Plantarum	10535
92	Biological Cybernetics	422
93	Biological Invasions	10530
94	Biology and Fertility of Soils	374
95	Biology and Philosophy	10539
96	Biomechanics and Modeling in Mechanobiology	10237
97	Biomedical Microdevices	10544
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99	Bioprocess and Biosystems Engineering	449
100	Bioscience Reports	10540
101	Biotechnology Letters	10529
102	BIT Numerical Mathematics	10543
103	Boundary-Layer Meteorology	10546
104	Brain Topography	10548
105	BT Technology Journal	10550
106	Bulletin of the Brazilian Mathematical Society	574
107	Bulletin of Engineering Geology and the Environment	10064
108	Bulletin of Environmental Contamination and Toxicology	128
109	Bulletin of Earthquake Engineering	10518
110	Bulletin of Volcanology	445
111	CALCOLO	10092
112	Calculus of Variations and Partial Differential Equations	526
113	Cancer Causes & Control	10552
114	Cancer and Metastasis Reviews	10555

115	Catalysis Letters	10562
116	Catalysis Surveys from Asia	10563
117	Celestial Mechanics and Dynamical Astronomy	10569
118	Cell Biology and Toxicology	10565
119	Cell and Tissue Banking	10561
120	Cellular and Molecular Life Sciences CMLS	18
121	Cellular and Molecular Neurobiology	10571
122	Cellulose	10570
123	CHEMOECOLOGY	49
124	Child and Adolescent Social Work Journal	10560
125	Child Psychiatry and Human Development	10578
126	Child and Youth Care Forum	10566
127	Children's Literature in Education	10583
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129	Chromosoma	412
130	Chromosome Research	10577
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132	Clean Technologies and Environmental Policy	10098
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134	Climatic Change	10584
135	Clinical Child and Family Psychology Review	10567
136	Clinical Social Work Journal	10615
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138	Cognition, Technology & Work	10111
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141	Colloid and Polymer Science	396
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143	Communications in Mathematical Physics	220
144	Community Mental Health Journal	10597
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147	Computational Economics	10614
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151	Computational Optimization and Applications	10589
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156	Constitutional Political Economy	10602
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158	Constructive Approximation	365

159	Contemporary Family Therapy	10591
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163	Coral Reefs	338
164	Crime, Law and Social Change	10611
165	Criminal Law Forum	10609
166	Critical Criminology	10612
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171	Czechoslovak Journal of Physics	10582
172	Czechoslovak Mathematical Journal	10587
173	Data Mining and Knowledge Discovery	10618
174	Decisions in Economics and Finance	10203
175	Design Automation for Embedded Systems	10617
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177	Development Genes and Evolution	427
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182	Distributed and Parallel Databases	10619
183	Early Childhood Education Journal	10643
184	Earth, Moon, and Planets	11038
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186	Ecological Research	11284
187	Economic Change and Restructuring	10644
188	Economic Theory	199
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204	Environment, Development and Sustainability	10668
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206	Environmental Chemistry Letters	10311
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208	Environmental Fluid Mechanics	10652
209	Environmental Geochemistry and Health	10653
210	Environmental Geology	254
211	Environmental Management	267
212	Environmental Modeling & Assessment	10666
213	Environmental Monitoring and Assessment	10661
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216	Erkenntnis	10670
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218	Ethical Theory & Moral Practice	10677
219	Ethics and Information Technology	10676
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221	European Biophysics Journal	249
222	European Food Research and Technology A	217
223	European Journal of Epidemiology	10654
224	European Journal of Forest Research	10342
225	European Journal of Law and Economics	10657
226	European Journal on Criminal Policy and Research	10610
227	European Journal of Plant Pathology	10658
228	European Journal of Population	10680
229	European Journal of Wildlife Research	10344
230	The European Physical Journal A - Hadrons and Nuclei	10050
231	The European Physical Journal B - Condensed Matter	10051
232	The European Physical Journal C - Particles and Fields	10052
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234	The European Physical Journal E - Soft Matter	10189
235	Evolutionary Ecology	10682
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238	Experimental Brain Research	221
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244	Familial Cancer	10689

245	Feminist Legal Studies	10691
246	Few-Body Systems	601
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264	Genetica	10709
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267	GeoJournal	10708
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269	Geometriae Dedicata	10711
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271	Geotechnical & Geological Engineering	10706
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278	Group Decision and Negotiation	10726
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280	Health Care Management Science	10729
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299	Informatik - Forschung und Entwicklung	450
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301	Information Retrieval	10791
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306	Innovative Higher Education	10755
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308	Instructional Science	11251
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310	Interchange	10780
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312	International Advances in Economic Research	11294
313	International Economics and Economic Policy	10368
314	The International Entrepreneurship and Management Journal	11365
315	International Environmental Agreements: Politics, Law and Economics	10784
316	The International Journal of Advanced Manufacturing Technology	170
317	International Journal of Asian Management	10276
318	International Journal of Biometeorology	484
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320	International Journal of Computers for Mathematical Learning	10758
321	International Journal on Digital Libraries	799
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324	International Journal for Educational and Vocational Guidance	10775
325	International Journal of Flexible Manufacturing Systems	10696
326	International Journal for Philosophy of Religion	11153

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328	International Journal for the Semiotics of Law	11196
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330	International Journal of Game Theory	182
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333	International Journal of Information Security (IJIS)	10207
334	International Journal of Infrared and Millimeter Waves	10762
335	International Journal of Mechanics and Materials in Design	10999
336	International Journal of Theoretical Physics	10773
337	International Journal of Thermophysics	10765
338	International Journal of Parallel Programming	10766
339	International Journal of Peptide Research and Therapeutics	10989
340	International Journal of Politics, Culture, and Society	10767
341	International Journal of Primatology	10764
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343	International Journal on Software Tools for Technology Transfer	10009
344	International Journal of Speech Technology	10772
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350	Invertebrate Neuroscience	10158
351	Irrigation and Drainage Systems	10795
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353	Jewish History	10835
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356	Journal of Adult Development	10804
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358	Journal of Algebraic Combinatorics	10801
359	Journal of Applied Electrochemistry	10800
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361	Journal of Archaeological Research	10814

362	Journal of Assisted Reproduction and Genetics	10815
363	Journal of Atmospheric Chemistry	10874
364	Journal of Autism and Developmental Disorders	10803
365	Journal of Automated Reasoning	10817
366	Journal of Behavioral Education	10864
367	Journal für Betriebswirtschaft	11301
368	Journal of Bioeconomics	10818
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370	JBIC Journal of Biological Inorganic Chemistry	775
371	Journal of Biological Physics	10867
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438	Journal of Inorganic and Organometallic Polymers and Materials	10904
439	Journal of Insect Behavior	10905
440	Journal of Insect Conservation	10841
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451	Journal of Material Cycles and Waste Management	10163
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455	Journal of Mathematical Biology	285
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493	Journal of Personnel Evaluation in Education	11092
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611	Neural Computing & Applications	521
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614	Neurogenetics	10048
615	Neuropsychology Review	11065
616	New Forests	11056
617	Nonlinear Differential Equations and Applications NoDEA	30
618	Nonlinear Dynamics	11071
619	Numerical Algorithms	11075

620	Numerische Mathematik	211
621	Nutrient Cycling in Agroecosystems	10705
622	Ocean Dynamics	10236
623	Oecologia	442
624	Open Economies Review	11079
625	Open Systems & Information Dynamics	11080
626	4OR	10288
627	Optical and Quantum Electronics	11082
628	Optical Review	10043
629	Optimization and Engineering	11081
630	OR Spectrum	291
631	Order	11083
632	Origins of Life and Evolution of Biospheres	11084
633	Oxidation of Metals	11085
634	Paddy and Water Environment	10333
635	Parasitology Research	436
636	Pastoral Psychology	11089
637	Pattern Analysis and Applications (PAA)	10044
638	Personal and Ubiquitous Computing	779
639	Pflügers Archiv	424
640	Pharmaceutical Research	11095
641	Phenomenology and the Cognitive Sciences	11097
642	Philosophical Studies	11098
643	Photonic Network Communications	11107
644	Photosynthesis Research	11120
645	Photosynthetica	11099
646	Physics and Chemistry of Minerals	269
647	Physics in Perspective	16
648	Phytochemistry Reviews	11101
649	Plant Cell Reports	299
650	Plant Cell, Tissue and Organ Culture	11240
651	Plant Ecology	11258
652	Plant Foods for Human Nutrition	11130
653	Plant Growth Regulation	10725
654	Plant Molecular Biology	11103
655	Plant and Soil	11104
656	Plant Systematics and Evolution	606
657	Planta	425
658	Plasma Chemistry and Plasma Processes	11090
659	Poiesis & Praxis	10202
660	Polar Biology	300
661	Policy Sciences	11077
662	Political Behavior	11109
663	Polymer Bulletin	289
664	Population Ecology	10144

665	Population and Environment	11111
666	Population Research and Policy Review	11113
667	Portuguese Economic Journal	10258
668	Positivity	11117
669	Potential Analysis	11118
670	Precision Agriculture	11119
671	Prevention Science	11121
672	Primates	10329
673	Probability Theory and Related Fields	440
674	Prospects	11125
675	The Protein Journal	10930
676	Protoplasma	709
677	Psychological Research / Psychologische Forschung	426
678	Psychometrika	11336
679	Public Choice	11127
680	Public Organization Review	11115
681	Publications Mathématiques de l'Institut des Hautes Études Scientifiques	10240
682	pure & applied geophysics PAGEOPH	24
683	Purinergic Signalling	11302
684	Qualitative Sociology	11133
685	Quality of Life Research	11136
686	Quality and Quantity	11135
687	Quantitative Marketing and Economics	11129
688	Quantum Information Processing	11128
689	Queueing Systems	11134
690	Radiation and Environmental Biophysics	411
691	The Ramanujan Journal	11139
692	Reading and Writing	11145
693	Real-Time Systems	11241
694	Regional Environmental Change	10113
695	Reliable Computing	11155
696	Requirements Engineering	766
697	Res Publica	11158
698	Research in Engineering Design	163
699	Research in Higher Education	11162
700	Research in Science Education	11165
701	Research on Language and Computation	11168
702	Review of Economic Design	10058
703	Review of Finance	10679
704	Review of Accounting Studies	11142
705	The Review of Austrian Economics	11138
706	Review of Derivatives Research	11147
707	Review of Economics of the Household	11150

708	Review of Industrial Organization	11151
709	Review of Quantitative Finance and Accounting	11156
710	Review of World Economics	10290
711	Reviews in Environmental Science and Biotechnology	11157
712	Reviews in Fish Biology and Fisheries	11160
713	Rheologica Acta	397
714	Rock Mechanics and Rock Engineering	603
715	Russian Linguistics	11185
716	Science & Education	11191
717	Selecta Mathematica, New Series	29
718	Semigroup Forum	233
719	Set-Valued Analysis	11228
720	Sex Roles	11199
721	Sexual Abuse: A Journal of Research and Treatment	11194
722	Sexual Plant Reproduction	497
723	Sexuality and Disability	11195
724	Shock Waves	193
725	Silicon Chemistry	11201
726	Small Business Economics	11187
727	Social Choice and Welfare	355
728	Social Indicators Research	11205
729	Social Justice Research	11211
730	Social Psychology of Education	11218
731	Sociological Forum	11206
732	Soft Computing	500
733	Software Quality Journal	11219
734	Software and Systems Modeling (SoSyM)	10270
735	Solar Physics	11207
736	Somatic Cell and Molecular Genetics	11188
737	Space Science Reviews	11214
738	Spanish Economic Review	10108
739	Standort	548
740	Statistical Inference for Stochastic Processes	11203
741	Statistical Methods and Applications	10260
742	Statistics and Computing	11222
743	Stochastic Environmental Research and Risk Assessment	477
744	Structural Chemistry	11224
745	Structural and Multidisciplinary Optimization	158
746	Studia Geophysica et Geodaetica	11200
747	Studia Logica	11225
748	Studies in East European Thought	11212
749	Studies in Philosophy and Education	11217



750	Subsurface Sensing Technologies and Applications	11220
751	Surgical and Radiologic Anatomy	276
752	Surveys in Geophysics	10712
753	Synthese	11229
754	Systematic Parasitology	11230
755	Systemic Practice and Action Research	11213
756	Telecommunication Systems	11235
757	Tertiary Education and Management	11233
758	Theoretical and Applied Climatology	704
759	Theoretical and Applied Genetics	122
760	Theoretical Chemistry Accounts	214
761	Theoretical and Computational Fluid Dynamics	162
762	Theoretical Medicine and Bioethics	11017
763	Theory of Computing Systems	224
764	Theory and Decision	11238
765	Theory and Society	11186
766	Topics in Catalysis	11244
767	Topoi	11245
768	Transformation Groups	31
769	Transgenic Research	11248
770	Transition Metal Chemistry	11243
771	Transition Studies Review	11300
772	Transport in Porous Media	11242
773	Transportation	11116
774	Tree Genetics & Genomes	11295
775	Trees	468
776	Tribology Letters	11249
777	Tropical Animal Health and Production	11250
778	Universal Access in the Information Society (UAIS)	10209
779	Urban Ecosystems	11252
780	The Urban Review	11256
781	User Modeling and User-Adapted Interaction	11257
782	Vegetation History and Archaeobotany	334
783	Veterinary Research Communications	11259
784	Virtual Reality	10055
785	The Visual Computer	371
786	Visual Geosciences	10069
787	The VLDB Journal	778
788	Voluntas: International Journal of Voluntary and Nonprofit Organizations	11266
789	Water, Air, and Soil Pollution	11270
790	Water, Air, and Soil Pollution: Focus	11267
791	Water Resources Management	11269
792	Die Weltwirtschaft	10289

793	Wetlands Ecology and Management	11273
794	Wireless Networks	11276
795	Wireless Personal Communications	11277
796	Wirtschaftsdienst	10273
797	Wood Science and Technology	226
798	World Journal of Microbiology and Biotechnology	11274
799	World Wide Web	11280
800	Zeitschrift für angewandte Mathematik und Physik ZAMP	33
801	Zoomorphology	435

## ANNEXURE VII

The details of students placed in top 25 companies through campus interviews in the year (2007-2008) are in Annexure VII. Apart from this list, the students got selected in many other reputed organizations / companies.

<b>Placement Summary 2008-09 (As on 26.06.09)</b>				
Total Number of Students placed			<b>843</b>	
Total number of companies			<b>65</b>	
<b>Top 20 Recruiters (Based on the number of offers made) - This academic year</b>				
<b>Sl. No</b>	<b>Date</b>	<b>Name of the Company</b>	<b>Company Location</b>	<b># of Students Selected</b>
1	11.06.08	Wipro	Chennai	225
2	13.06.08	HCL	Chennai	54
3	23.10.08	India Infoline	Chennai	49
4	12.02.09	Jeppiaar Software	Chennai	48
5	19.02.09	JET Associates	Chennai	46
6	09.02.09	Jeppiaar Steels	Chennai	40
7	01.07.08	iGate	Chennai	24
8	16.06.08	iFlex	Bangalore	18
9	23.06.08	Syntell	Chennai	17
10	10.02.09	Jeppiaar Cements	Chennai	17
11	03.07.08	Maytas	Hyderabad	15
12	06.08.08	Citos	Chennai	13
13	19.08.08	Mastek	Chennai	12
14	08.12.08	ICICI Prudential	Hyderabad	11
15	18.02.09	Jeppiaar Concrete	Chennai	11
16	21.10.08	Sasken	Bangalore	10
17	08.11.08	VA Tech	Chennai	9
18	04.07.08	Steria	Chennai	7
19	11.12.08	RR Donnley	Chennai	6
20	12.12.08	SPA Capital	Chennai	6
<b>Most recent Recruiters' List</b>				
1	27.05.09	Ozone Group	Chennai	1
2	09.04.09	KCC Paints	Chennai	3
3	07.04.09	Layam Management Solns	Chennai	2
4	06.03.09	MedResources	Chennai	3
5	31.01.09	Neeiamo	Chennai	1
6	19.12.08	Soma Enterprises	Hyderabad	0
7	13.12.08	Mahindra Finance	Chennai	0
8	12.12.08	Saipem	Chennai	1
9	12.12.08	SPA Capital	Chennai	6
10	11.12.08	Easy Solutions	Chennai	2

<b>Summary</b>	
# of students registered for higher studies	272
# of students registered for Placement	1412
# of students placed through our Campus Recruitment	843
% of Placement for the year 2008-2009(As On 20.03.09)	73.95