Annual Report and Annual Accounts 2009-2010

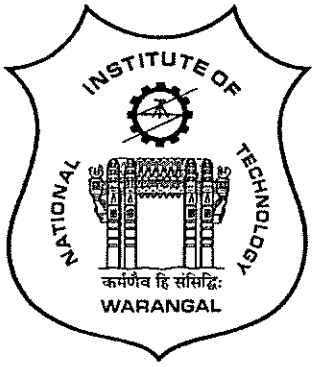


NATIONAL INSTITUTE OF TECHNOLOGY
(Formerly Regional Engineering College)
Warangal - 506 004.
Andhra Pradesh

PART - I

ANNUAL REPORT

2009 - 2010



NATIONAL INSTITUTE OF TECHNOLOGY
WARANGAL – 506 021
ANDHRA PRADESH

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NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL

PROFILE OF THE INSTITUTE

Pandit Jawaharlal Nehru, the architect of the concept of Regional Engineering Colleges for technical advancement and promotion of national integration in the country, laid the foundation stone for REC Warangal on 10th October 1959. REC Warangal holds the distinction of being the first in the series of RECs established in the country. Now elevated to the status of an NIT, it has the distinction of offering the highest number of postgraduate courses. Further, it has produced the maximum number of Ph.Ds amongst all the NITs in the country.

This reputed institute has sailed through several phases in its historical journey assimilating newer experiences, academic as well as administrative, and yet retaining its original colour and noble objectives. Established as an affiliate college of Osmania University (1959), REC Warangal came under the purview of Jawaharlal Nehru Technological University (1972) with *full academic autonomy*, a status enjoyed by a few RECs in the country; then, it grew into an affiliate college of Kakatiya University(1976) and then on, steadily marched towards a University Status . It was declared a Deemed University in 2002 and then given the status of Institutes of National Importance and renamed as National Institutes of Technology.

During this span of 50 years of existence, it has become a proud *Alma Mater* for over 12022 graduates in different branches of technology, 7042 postgraduates and 331 doctorates in technology and science. The alumni of the institute can be found across the globe adorning very high positions in academics, industry, politics, administration, research and entrepreneurship, thus creating an international flavour for the institute. As part of its admission policies today, it draws students from different parts of the world for its UG, PG and Ph.D programmes under Direct Admission for Students Abroad (DASA) and other schemes of the Government of India. It is, thus, becoming an International Institute of technical excellence, offering quality technical education. In its quest for establishing a brand image commensurate with its international complexion, it is striving towards excellence in several areas.

The Institute is presently offering eight undergraduate programmes in Civil, Electrical and Electronics, Mechanical, Electronics and Communication, Metallurgical, Chemical, Computer Science and Engineering and Biotechnology Engineering streams; and twenty nine Postgraduate Programmes in diverse branches of Engineering and Basic

Sciences including MBA and MCA. The Institute also offers Ph.D. programmes in Engineering, Science, and Humanities disciplines.

The Institute strives to set higher standards for itself in imparting technical education, research and consultancy works. In this direction, several curricular and administrative reforms have taken place, notable among them being the introduction of Credit based System of Evaluation.

The institute has produced more than 331 Ph.Ds till date. It has currently ongoing projects sponsored by MHRD for Rs. 29.24 Lakhs and other agencies such as CSIR, and DST for an amount of Rs. 4.80 crores.

The institute has good infrastructure and it is being further improved under Technical Education Quality Improvement Programme (TEQIP) funded by the World Bank. A central research facility is established with a view to promote research capabilities. The placement on the campus during the year 2009-10 has been excellent. More than130 organizations visited the campus and 963 students, almost 62% of the overall intake, have been placed.

The institute is located in a sprawling area with a residential campus with accommodation for all students and most of the members of the staff. Hostel facilities are being further strengthened by creating new hostels as well as renovating the existing ones. Sports facilities include huge playgrounds, an impressive modern stadium with a turf wicket for cricket and a national level 400 metre track. The Institute has 18 student clubs and 10 departmental associations, which organize activities to promote total personality development of students.

The Alumni Association of the Institute is very active with fifteen chapters in various cities of the country and one chapter in the USA. The institute maintains a close rapport with the Alumni in all matters relating to the institute's progress.

1.0 INTRODUCTION

1.1 Mission Statement

To provide state of the art facilities and human resources to produce globally competent manpower in technology and science.

To create an environment for innovation in teaching – learning process, research and development.

To promote research, consultancy, training and placement activities through institute – industry interaction.

To inculcate a holistic personality and an attitude of national integration among students and staff.

1.2 Objectives

To create an educational environment in which students are prepared to meet the challenges of the modern industry and society by equipping them with

Up-to-date technical knowledge

Analytical and practical skills

Management competence

A creative and innovative approach to work.

To strengthen links with industry and commerce through lasting partnerships focusing on

Curriculum Development

Training and Placement

Consultancy and other services

Research and Development

To provide within the Institute an environment where the staff is encouraged to maintain intellectual curiosity and improve technical expertise through continuous staff development programmes.

To create conditions in which the institute is recognized as a self-regulating Prime Centre for Technical Education.

1.3 Education System

Credit based semester system: Both the UG and PG programmes follow the Semester Pattern and Credit system of evaluation with effect from the batches admitted in 2002–2003 on wards. The academic year is divided into two semesters, namely, the odd and even semesters.

Attendance: Attendance in all classes (lecturers / tutorials, laboratories, workshops etc) is compulsory. A student may be debarred from appearing at an examination on grounds of unsatisfactory attendance, which is less than 80% of number of classes held in each course at PG level and 75% in the case of UG courses.

Registration: Every student is required to be present and register at the commencement of each semester on the day notified in the Academic calendar.

- Registration for all courses is compulsory during first two semesters and it is automatic when a student is admitted to I year.
- From 3rd semester onwards, the registration will be organized departmentally under the supervision of the Head of the Department.
- Only those students will be permitted to register who have:
  - Cleared all the dues of the Institute and Hostel in the previous semesters.
  - Paid the prescribed fees for the current semester, and
  - Not been debarred from registering for a specified period on disciplinary or any other ground.
- To be able to register in the second year and continue his/her study in the Institute at the end of the first year, a student must complete satisfactorily at least 36 credits (after supplementary examinations) and

- To be able to register in the third year, a student should have satisfactorily completed at least 36 credits in II year first and second Semesters put together (after supplementary examinations) and should have satisfactorily cleared all the courses of 1st year.

- To be able to register in the IV year, a student should have satisfactorily completed at least 36 credits in III year first and second Semesters put together (after supplementary examinations) and should have satisfactorily cleared all the courses of 2nd year.

In brief the institute is adopting the IIT pattern of education system in terms of semester pattern, credit system of evaluation, curriculum and evaluation patterns at UG, PG and Doctoral levels.

1.4. New Initiatives

The institute is developing the infrastructure in the campus and also the facilities for Research and Development with a view to further enhancing the quality of the academic environment in the institute.

Infrastructure Development

The following construction activities are in progress:

- Renovation of Hostels, and Quarters
- Construction Work on a 1000 seater Mega Hostel Block with dining hall cum kitchen
- Construction Work on a 250 seater Hostel Block for Foreign Students

2.0 AN OVERVIEW

2.1 Historical Background

National Institute of Technology, Warangal, formerly known as Regional Engineering College, was established in 1959. Pandit Jawaharlal Nehru laid the foundation stone for this institute on October 10, 1959, **the first in the chain of 18 NITs** (formerly known as RECs) in the country. It was endowed with the status of Deemed University and the name was changed from REC to NIT in September 2002.

It is a premier technological institute in the country, well-known for its dedicated faculty and staff, state-of-the-art infrastructure, and academic programmes of high quality. The Institute has been consistently topping the ranking of technical Institutions with its excellent placement records.

As an NIT, it is in the process of improving its standards to the level of a global technical institute. The curriculum has already been changed following the IIT pattern. The infrastructure in the Institute is also being improved catering not only to the current needs but also the future plans of the institute.

Some of the more memorable milestones along the triumphant march of the institute::

October 10, 1959	*Pandit Jawaharlal Nehru laid foundation stone for the College, the first in the chain of NITs (formerly RECs) in the country.*
November 10, 1959	Registration of the Society of Regional Engineering College, Warangal
August, 1965	Commencement of UNESCO assistance project.
October, 1972	Change of affiliation of the College from Osmania University to Jawaharlal Nehru Technological University. Academic autonomy conferred on the College.
August 19, 1976	Change of affiliation of the College from JNTU to Kakatiya University.
August, 1981	Admission for B.Tech. through Common Entrance Examination for students from Andhra Pradesh.
June, 1987	Establishment of Entrepreneurship Development Cell.
January, 1990	The College is selected for assistance under UK-INDIA Project.
June, 1991	Memorandum of understanding signed between the College and Confederation Indian Industry.

April, 1994	Commencement of UK - INDIA RECs Project.
January, 1995	Campus LAN installed. E-Mail facility provided by dial up connectivity through Central University, Hyderabad.
October, 1996	Commissioning of a dedicated Internet connectivity through VSAT dish. Browsing and E-mail facility provided.
November, 1996	The AICTE recommends to the M.H.R.D and U.G.C the award of the Deemed to be University Status to REC Warangal.
October 23-24, 1999	"40th Foundation Day Celebrations". His Excellency Dr.C.Rangarajan, Governor of A.P. and General K.V. Krishna Rao (Retd. Chief of Army Staff) graced the occasion by their presence.
May 16, 2001	MoU was signed between STPI, Hyderabad and REC, Warangal regarding setting-up of Software Technology Park at the Institute.
July 20, 2001	AICTE grants the status of QIP (Quality Improvement Programme) Centre to the following departments: ***Ph.D. Programme*** – Departments of Mechanical Engineering, Chemical Engineering and Mathematics ***M.Tech. Programme*** – Departments of Electrical Engineering and the Department of Electronics and Communication Engineering.
September, 2001	Inauguration of MSIT course in A.P. by the Hon'ble Chief Minister of Andhra Pradesh at Hyderabad with a Learning Centre at REC, Warangal
July, 2002	Board of Governors resolved to approve the new Memorandum Of Association (MOA) for conversion of Regional Engineering College, Warangal as National Institute of Technology (NIT), Warangal.
September, 2002	Institute renamed as National Institute of Technology, Warangal and offered the status of Deemed University.
July, 2003	Commencement of admission of students for B.Tech through AIEEE stream
August 4, 2003	**Prof. Deba Kumar Tripathy** takes charge as the first Director of NIT Warangal.

August, 2003	**Change over to IIT Pattern in Curriculum:** Revision of syllabi and rules of regulations for the UG and PG courses and introduction of semester system for B.Tech and MBA at the first year level. Change over of evaluation pattern to Credits and GPA system.
June, 2004	The Institute receives an assistance of Rs. 11.41 crores from the World Bank under TEQIP (Technical Education Quality Improvement Programme).
March 1, 2004	**Ist Convocation of NIT Warangal**. Prof. S.K. Joshi, Chairman, Board of Governors, IIT Roorkee and Former Director General, CSIR delivers the First Convocation address.
January 22, 2005	**2nd Convocation of NIT Warangal**. Dr. Anil Kakodkar, Chairman, Atomic Energy Commission and Secretary, Department of Atomic Energy, Government of India delivers the Second Convocation address.
June 2005	MoU was signed between NIT Warangal and M/S Philips Software, Bangalore. Under this MoU Philips Software shall sponsor a maximum of 5 candidates to pursue M.Tech (VLSI) in the institute. Further research collaboration is planned between the two partners. Phillips Software shall also sponsor a state of the art laboratory in VLSI at the institute.
November 21, 2005	**Dr. Ing. Y.V.Rao** takes charge as Director of NIT, Warangal.
March 25, 2006	**3rd Convocation of NIT, Warangal** Prof. S.K. Khanna, Former Chairman, AICTE & Former Vice-Chairman, UGC delivers the Third Convocation Address.
August 8, 2006	Prof. Y.V. Rao, Director and Prof. T.K.V.Iyengar, NIT, Warangal were awarded **Bharath Jyothi Award**
October 18, 2006	**4th Convocation of NIT, Warangal.** Prof. Damodar Acharya, Chairman, AICTE, New Delhi delivered the Convocation Address
November 30, 2006	**NIT, Warangal entered into MoU with Effexoft Solutions Pvt. Ltd., USA** (Regd. Office at Hyderabad) with regard to IT consulting software and solutions development
December 7, 2006	**NIT, Warangal entered into MoU with National Academy of Construction (NAC), Hyderabad** with regard to implementation of academic continuing education and training programmes in construction engineering of mutual interest and benefit.
January 3, 2007	Inauguration of **Centre for Rural Development building** by Prof. Y.V.Rao, Director, NITW

January 15, 2007	International Kalam Guest House was inaugurated by Prof. K.Koteswara Rao, former Principal, RECW
January 18, 2007	Foundation stone laid for Centre for Automation & Instrumentation by Prof. R.A. Yadav, Vice-Chairman, AICTE, New Delhi
March 22, 2007	Prof. Y.V.Rao, Director, NITW was appointed as Chairman, AICTE South Central Committee with its Office at Hyderabad.
August 24, 2007	Inauguration to initiate concrete activity for the construction of Mega Hostel.
September 5, 2007	MoU with M/s TCS Company
September 15, 2007	Institution of Engineers Andhra Pradesh State Centre Presented Engineer of the year award to Prof. D.V.L.N. Somayajulu
October 27, 2007	Team of experts from France, ESIGELEC sign MoU MoU with Lawrence Tech University MoU with Mont Belford University
January 25, 2008	Dr. Abdul Kalam, Former President visits Campus during TECHNOZION
	Honourable Minister Purandeswari, MHRD inaugurates New Computer Centre and lays foundation stone for ultra Mega Hostel
February 21, 2008	APCOST presented Scientist of the year award to Prof. C.S.P. Rao
June 11, 2008	SRIC MoU with IFFCO
July 18, 2008	11th Building & Works Committee Meeting and 14th BOG Meeting at Hyderabad.
August 18, 2008	Halls of Residence 1600 student's capacity (Ultra-Mega Hostel) Bhoomipuja.
September 8, 2008	MoU with ECIL, Hyderabad
September 15, 2008	Institution of Engineers Andhra Pradesh State Centre Presented Engineer of the year award to Prof. C.S.P. Rao
September 18, 2008	MoU with Cincinnati University (Prof. Vemuri Ranga from Cincinnati University)
October 2, 2008	Inauguration of Renovated Administrative Block with the State of the Art facilities and MIS.

October 10, 2008	NIT(REC) Golden Jubilee year Celebrations – Kickoff Ceremony at Auditorium – Chief Guest Sri Ramalinga Raju, Chairman, Satyam Computers.
October 17 – 19, 2008	TECHNOZION-08 – Chief Guest Prof. D.N. Reddy, Vice-Chancellor, JNTU, Hyderabad.
December 12-14, 2008	23rd Indian Engineering Congress held in the Institute. (AP State Major Irrigation Minister Sri Ponnala Lakshmaiah inaugurated the Ceremony).
January 3-4, 2009	BIO-FIESTA a two day seminar held by BIO-Tech. Dept.
January 9, 2009	Visit of Dr. Walker, President, Lawrence Tech. University, USA., Visited the Institute and interacted with all the Deans and the Heads of Departments.
January 19-23, 2009	10th Joint Review Mission (JRM) of TEQIP beneficiary Institutes across the country held at the Institute.
January 21, 2009	Bhoomi Puja:- 1) Girls Hostel (350 capacity) – by Shri Ashok Thakur, Addl. Secretary, MHRD, New Delhi 2) Campus Landscaping.
February 4, 2009	The Director of ESIGELIC, School of Engineering, France – Prof. Cyril Martaure visited the Institute consequent to signing of MoU and interacted with all the Deans and the Heads of Departmennts
March 3, 2009	The MHRD, New Delhi constituted CCB-2009 with Director, NIT, Warangal as its Chairman and NIT, Warangal as its Headquarters.
March 6, 2009	Automated entry access system to Administrative Building.
May 13, 2009	Director's visit to Finland and Germany. The MoUs are signed with the following foreign Universities: 1) University of Tampere, Finland. 2) Tampere University of Technology, Finland
June 11, 2009	Baba Atomic Research Centre (BARC) Board of Research in Nuclear Science (BRNS) Technical Project Discussion meeting held in the Institute.
June 13, 2009	NIT, Warangal has been selected as a "Leading Technology Adopter of the year 2009" (It is an award for excellence in Technology Adopter in the Education Sector)
June 22, 2009	Inauguration of INSPIRE programme by Dr. N.R. Shetty, Former Vice-Chancellor, Bangalore University.

July 11, 2009	7th Convocation of the Institute held at 4.00 PM in the Auditorium, Padmashree Dr.B.N. Suresh, Director, Indian Institute of Space Science and Technology, Thiruvanantapuram was the Chief Guest of the function.
July 18, 2009	Orientation programme for first year students.
August 12, 2009	Sri Shahnawaz Quasim, Superintendent of Police, Warangal has visited the Institute to address the students about Anti Ragging.
August 13, 2009	A seminar on "Advance in Manufacturing" conducted by Dept. of Mechanical Engineering at the Institute.
August 18, 2009	Dr. R.L. Umashankar, Managing Director of Lakshman Chemicals Davangere Pvt Ltd. as the Chief Guest of Inaugural function of activities of the Chemical Engineering Association (ChEA) and Indian Institute of Chemical Engineering and NIT, Warangal students chapters for the year 2009-10 was held at the Institute.
August 24-30, 2009	A faculty Development programme on "Project Management" Organized by the Institute.
September 19, 2009	One day workshop on 'Developing Suitable Pedagogical methods for various classes Intellectual calibers and Research in e-learning' under National Mission Project by MHRD, GoI, New Delhi.
October 8, 2009	4th International Alumni meet Golden Jubilee Edition.
October 10, 2009	Foundation day of the Institute 'Golden Jubilee Celebrations' Padmabhushan Dr. R.A. Mashelkar, Chairman, National Innovation Foundation & President, Global Research Alliance, NCL, Pune was the Chief Guest.
October 23, 2009	Inaugural of the National Seminar on 'Prospects and Challenges of Power Sector in Indian Context 'CPCPS-09' by Dept. of EEE.
December 16, 2009	MoU signed with Malardalen University, Sweden.
December 28, 2009	Inauguration of Dr. V.A. Sastry Innovation and Development Centre at the Institute.
April 11, 2010	Dr. S.S. Gokhale, Director, VNIT, Nagpur has taken over charge as Director (Addl. Charge) of the Institute.

2.2 Location

The institute is located on a site of 248 acres extending on either side of Hyderabad – Warangal National Highway at a distance of 3 Kms from Kazipet Railway Station and 12 Kms from Warangal Railway Station. It is 140 Kms away from Hyderabad. Warangal enjoys a unique position in the cultural and historical map of the state. The exquisite and intricate architecture in Ramappa, Thousand Pillar Temple, Bhadrakali Temple and the Warangal Fort have been centres of attraction. Lovely gardens, wild life sanctuaries, lakes and rocks in the vicinity are other places of interest for students and visitors. The place enjoys a good climate throughout the year except for a spell of hot summer during May-June.

2.3 Campus

It is a residential campus with all the basic facilities for both the students and staff to live on the campus. The following statistical figures might give an idea about the buildings on the campus. The plinth areas of the different buildings on the campus are: Administrative Building (3,331 Sqm), Academic Buildings (34,448 sqm), Library Building (3,610 sqm), Students Hostels (32,642 sqm), Sports Pavilion and Gallery (784 Sqm), Director's Bungalow, Staff Quarters and Guest House (31,598 sqm.) The road network in the campus runs to a length of 12 kms. Work is in progress in creating more space for the varied purposes referred to above and also for a network of roads which has become necessary in view of the hectic construction under way. A new mega hostel is coming up.

2.4 Administration

An Overview:

The overall head of the institution is the Director with full financial and administrative powers. He is assisted by 5 Deans, namely, Dean, (Faculty Affairs), Dean (Academic Affairs), Dean (Planning and Development), Dean (Students' Affairs) and Dean (Research & Consultancy). The Chief Warden is the head of the students' hostels. He is in turn assisted by a team of wardens.

The Head of the Department looks after all the affairs pertaining to the respective Department.

The Registrar is the head of the non-teaching staff of the Institute. He is assisted by Deputy Registrars and they in turn are assisted by Assistant Registrars.

The Senate,, Hostel Advisory Committee, Games Committee, Scrutiny Committee and other Committees of the Institute assist the Deans and the Director.

The Board of Governors constituted by the Government of India is the highest body that approves and permits all major decisions of the institute.

The Finance Committee and the Building Works Committee look after the finance and construction activities of the institute.

2.5 Academic Programmes

The Institute offers the following programmes:

B.Tech., M.Tech., M.Sc., M.Sc .Tech., MCA, MBA and Ph. D.

2.6 Courses Offered

Undergraduate Courses

B.Tech.	In take	Year of Commencement
Civil Engineering	92	September 1959
Electrical and Electronics Engineering	92	September 1959
Mechanical Engineering	94	September 1959
Electronics and Communication Engineering	108	July 1971
Chemical Engineering	92	August 1964
Metallurgical and Materials Engineering	62	August 1965
Computer Science and Engineering	108	August 1983
Bio-technology	92	July 2006

Postgraduate Courses

M.Tech.	In take	Year of Commencement
Civil Engineering		
1. Engineering Structures	38	September 1967
2. Transportation Engineering	38	September 1968
3. Water Resources Engineering	20	August 1964
4. Geo-Technical Engineering	20	August 1964
5. Remote Sensing & Geographical Information Systems	20	January 2000
6. Environmental Engineering	20	August 2004
7. Construction Techniques & Management	20	July 2008
Electrical Engineering		
1. Power Systems Engineering	38	August 1964
2. Power Electronics and Drives	38	August 1964

Mechanical Engineering

1. Thermal Engineering	20	August 1964
2. Manufacturing Engineering	20	September 1966
3. Computer Integrated Manufacturing	20	January 2000
4. Product Design and Development	20	January 2000
5. Materials Technology	24	August 2006
6. Automobile Engineering	20	July 2008

Electronics and Communications Engineering

1. Electronics Instrumentation	20	September 1966
2. VLSI System Design	20	August 2001
3. Advanced Communication Systems	24	June 2006

Metallurgical and Materials Engineering

1. Industrial Metallurgy	20	August 1983

Chemical Engineering

1. Chemical Engineering (Computer Aided Process Equipment Design)	20	September 1968

Computer Science and Engineering

1. Computer Science & Engineering	20	August 1987
2. Information Security	20	July 2008
3. Master of Computer Applications	46	August 1986

Centre for Management Studies

1. Master of Business Administration	62	September 2000

M.Sc. Courses

1. Applied Mathematics	24	September 1970
2. Mathematics and Scientific Computing	24	August 2001
3. Industrial Chemistry (Dyes, Drugs Pharmaceuticals & Pesticides)	24	September 1977
4. Industrial Chemistry (Modern Methods of Chemical Analysis)	24	August 1999

M.Sc. Tech.

1. Engineering Physics (Photonics, Electronics and Instrumentation)	48	September 1970

DOCTORAL PROGRAMMES

Ph.D. Programmes are offered in

a) All branches of Engineering

b) Sciences (Mathematics, Physics and Chemistry)

c) Humanities (English Literature, Applied Linguistics and Economics) and

d) Physical Education

Note: M.S. programme is offered for in-service candidates working in reputed R&D organizations.

2.7 Admission Procedure

B.Tech.

Admission for the B.Tech. Programmes are made on the basis of the performance in the AIEEE for the Indian Nationals and under the DASA scheme for the NRIs following the guidelines of CCB (Central Counselling Board). The CCB works under the directions from Government of India, MHRD and with full co-operation from National Informatics Centre (**NIC**), **CBSE**, and participating institutions (**PIs**). The rules and regulations for the admission change from time to time. The main stages in the procedure are the conduct of the entrance test (AIEEE), conduct of off-line counselling, conduct of on-line counseling and admission.

M.Tech

A candidate for admission into M.Tech programme should be a citizen of India. Admission of foreign nationals, if any, shall be governed by the rules stipulated by the Government of India from time to time.

Admission to M.Tech is primarily made on the basis of the GATE Scores.

Applicants must qualify in the paper appropriate to the discipline of their qualifying degree if a GATE paper is available in such a discipline. In case of tie in the GATE score, the aggregate marks of the qualifying examination considering all years of study will be the criterion for preference. If there is a further tie, the elder person by age will be given preference.

Candidates must have a minimum of 2 years full time post qualification work experience in the relevant discipline into which admission is sought.

M.S. Programmes

The Institute offers facilities to engineers (presently working in organizations of high repute), who have put in not less than three years of R&D experience after obtaining B.Tech. or equivalent qualification and could submit tangible proof of their R&D activities to register themselves for M.S programme in the appropriate field of Engineering.

The M.S. programme (4 semesters) shall comprise the following two parts:
a) Prescribed course work and b) Project work

The Candidates should have obtained at least 60% marks in aggregate or equivalent C.G.P.A. at the qualifying examination, taking all years of study into account. For SC/ST candidate's 55% marks in aggregate or equivalent CGPA is the requirement.

The candidates must have a minimum three years of full-time post-qualification work experience in R&D establishments or industries having R&D facilities.

A research worker (SRA, JSO, SSO, JRF, SRF) working in a scheme / project which is being carried out in the Institute is eligible to register for the programme subject to satisfying the admission requirement and also subject to the condition that the tenure of the scheme remaining at the time of joining is at least one year and a half, provided also that the investigator-in-charge of the scheme is satisfied that the candidate's joining the M.S. programme will not interfere with his duties in the scheme.

The Institute is fully residential and all sponsored students shall be required to reside in and be a member of the Hall of Residence to which they are assigned at the time of admission.

A sponsored student may be permitted to become non-resident after he has completed the prescribed course work and the minimum residential requirement of one semester.
There is no entrance examination for selection into M.S. programme. However, selection will be based on personal interview.

M.Sc. (Tech.) / M.Sc

Students should have obtained B.Sc. degree in the concerned subject area with at least 60 % marks or equivalent CGPA in all the optional subjects put together and should have studied the concerned subjects. The candidates, thus eligible, are selected for admission on the basis of an Institute Entrance Test.

Whenever admission is based purely on the performance at the Institute Entrance Test (written)

1. the minimum qualifying mark is 30% at the Institute entrance test. In case of SC/ST candidates, the minimum qualifying mark at the Institute entrance test (written) shall be 25%.
2. if two or more candidates obtain the same marks, the aggregate of marks they obtained at the qualifying degree examination, will be the criterion for admission. In case of further tie, elder person by age will be given preference.

M.C.A.

Minimum eligibility requirement: B.Sc. or B.Com or B.A. or B.C.A. with Mathematics / Statistics as one of the subjects and should have obtained a minimum of 60% marks in aggregate in optional subjects of all years at the qualifying examination. Candidates with a bachelor's degree in any branch of Engineering with 60% aggregate or equivalent CGPA are also eligible. The percentage of marks in respect of SC/ST candidates shall be 55% or equivalent C.G.P.A. to make them eligible.

Admission for M.C.A. course for all the applicants is based on the merit rank obtained in **NIMCET.**

M.B.A.

Minimum eligibility requirement: B.E. / B.Tech. or equivalent degree in any branch of Engineering from a recognized University with at least 60% marks in aggregate, considering all years of study or equivalent C.G.P.A.

Admission into M.B.A. (for all candidates) is based on the merit rank obtained in **JMET/ CAT/MAT/ATMA**.

Ph.D.

Eligibility Criteria

Minimum qualification required for admission into the Ph.D. programme is a degree of Master of Technology (M.Tech.) /M.S. in the concerned discipline or an equivalent degree with 60% marks or an equivalent grade.

OR

Bachelor of Technology (B.Tech.) in the concerned discipline or Master of Science(M. Sc.)/ M.Sc (Tech.)/M C.A. or Master of Arts (M.A.) or a degree equivalent to any of them with satisfactory performance at GATE/NET and obtaining a minimum of 60% marks at the qualifying examination. In case of sponsored candidates the requirement of GATE/NET is relaxable.

Admission Criteria

Eligible candidates are admitted on the basis of

a. Overall academic career
b. GATE / NET percentile score (wherever applicable) and
c. Interview / written test conducted by the Department/Centre

Residential Requirement

- Normally all candidates admitted into the Ph.D. programme will be required to stay in the Institute till they complete all assigned work and submit thesis. The minimum residential requirement shall, however, be one semester for a candidate who has completed the course work and at least a part of the research work, and has been registered for the Ph.D. degree.

Course work requirement:

- All candidates enrolled for the Ph.D. programme are required to complete the course work as prescribed below:

  (a) Ordinarily a candidate having M.Tech./MS/M.Phil. or equivalent qualification will be required to do course work equivalent to a minimum of 6 credits and a maximum of 12 credits. However, if the candidate has desired to work in an area not directly connected with his M.Tech./ MS/ M.Phil. or if he has completed concerned degree programme 8 years before or earlier, the Doctoral Scrutiny Committee may recommend a minimum of 12 credits of course work. The course work will be from the existing M.Tech. programme.

  (b) A candidate having B.Tech./ M.Sc./M.Sc. (Tech.)/M.C.A./ M.A. or equivalent qualification is required to enroll for the appropriate M.Tech. courses or for courses of equivalent level and complete a minimum of 12 credits and a maximum of 16 credits.

  (c) If a required course is not available in the existing curricula, instructions in the subject will be imparted in 'Self-study' style following all steps like assignments, examination etc. as prescribed for a regular course.

  Candidates assigned course work must obtain, in the 7-scale grading system, a grade not lower than **'C'** in each of the subjects.

  If the grade obtained by a candidate in any subject is below **'C'**, the candidate is required to repeat that subject and clear it with a grade not lower than **'C'**. In the event of his obtaining a grade below **'C'** for the second time he may be asked to choose an alternative subject.

- In addition to the assigned course work requirement a candidate is also required to show, before he submits the synopsis, the candidate's proficiency in one of the following subjects offered by the Department of Humanities and Social Sciences/in 'Self study' style

  (a) History of Science and Technology

  (b) Science, Technology and Society

  (c) English for Scientific Communication

2.8 Students

Number of candidates admitted into First year B.Tech. during 2009-2010.

Sl.No.	Branch	Boys	Girls	Total
1	Civil Engineering	83 + 9*	9 + 1*	92 + 10*
2	Electrical & Electronics Engineering	78 + 10*	14	92 + 10*
3	Mechanical Engineering	92 + 11*	2 + 2*	94 + 13*
4	Electronics & Communication Engineering	99 + 14*	9 + 4*	108 + 18*
5	Metallurgical and Materials Engineering	58	4	62
6	Chemical Engineering	63 + 4*	29 + 9*	92 + 13*
7	Computer Science & Engineering	97 + 9*	11 + 7*	108 + 16*
8	Bio-Technology	57 + 2*	14 + 2*	71 + 4*
	Total	627 + 59*	92 + 25*	719 + 84*

* Students admitted under DASA scheme

Number of candidates admitted into First year PG courses during 2009-10 : 554

Number of candidates admitted into Ph.D. courses during 2009-10 : 57

2.9 Examinations and Evaluation

Examination and evaluation pattern has been changed following the IIT pattern for the batches admitted from 2002-2003 onwards. An account of the 'Assessment and Evaluation' and the 'Grading System' is given below:

Assessment of performance

There will be continuous assessment of students' performance throughout the semester and grades will be awarded by the subject teacher/ co-ordination committee formed for this purpose. Each theory subject in a semester is evaluated for 100 marks, and the weightage of marks is given below:

Sub-component	Weightage
Teachers assessment (T.A)	20%
Mid-semester Examination	30%
End-semester Examination	50%

The numeric marks obtained in each course will be converted to letter grades.

Grading System

As a measure of students' performance a 7-scale grading system using the following 'letter grades' and corresponding grade points per credit shall be followed:

Letter Grade	Performance	Grade point%
Ex.	Excellent	10
A	Very good	9
B	Good	8
C	Fair	7
D	Average	6
P	Pass	5
F	Fail	0

In addition, there shall be two transitional grading symbols, which can be used by the examiners to indicate the special position of a student in a subject.

I – for "Incomplete assessment"
X– for "Debarred".

- A semester Grade Point Average will be computed for each semester. The SGPA will be calculated as follows:

$$SGPA = \frac{\sum_{n} C_i \times GP_i}{\sum_{n} C_i}$$

where C_i = Credit for the course. GP_i = the Grade Point obtained for the course and the summation over all the courses taken in that semester and n is the number of subjects registered for the semester.

A Cumulative Grade Point Average (CGPA) will be computed for every student at the end of each semester. The CGPA would give the cumulative performance of a student from the first semester upto the end of the semester to which it refers and calculated as follows.

$$CGPA = \frac{\sum_{m} S_i \times C_i}{\sum_{m} C_i}$$

where 'm' is the total number of semesters under consideration. C_i the total number of credit registered for during a particular semester and

S_i is the SGPA of that semester. Both SGPA and CGPA will be rounded off to the second place of decimal and recorded as such.

- Whenever ambiguities arise in interpreting the regulations, the senate of the institute shall have power to make rules or issues clarifications for removing such ambiguities.

- The Academic Regulations should be read as a whole for the purpose of any interpretation. The document regarding academic regulations referred above is only a partial version of the whole document.

2.10 Placement

The placement activities at the institute:

The institute provides placement opportunities for the UG (Regular) and the PG students. The institute attracts a wide range of Institutes in the country and also from abroad for placement.

During the academic year **2009-2010, more than 130** reputed organizations including Public Sectors, Multinational and Indian Companies from different places of the country have participated in the Campus Recruitment Programme.

Placements Statistics			
Course	**Branch**	**Registered**	**Placement**
B.Tech	Civil Engineering	57	49
B.Tech	Electrical & Electronics Engineering	65	54
B.Tech	Mechanical Engineering	62	53
B.Tech	Electronics & Communication Engineering	85	77
B.Tech	Metallurgical & Materials Engineering	36	22
B.Tech	Chemical Engineering	65	38
B.Tech	Computer Science & Engineering	83	75
B.Tech	Bio-Technology	49	32
B.Tech	Bachelor of Technology	502	400
M.Tech	Master of Technology	386	111
M.C.A.	Master of Computer Applications	28	27
M.B.A.	Master of Business Administration	45	16
M.Sc.	All Branches	83	9
	Total	**1546**	**963**

- **Placements:**

BRANCH-WISE BREAK UP OF PALCEMENT OFFERS TO STUDENTS DURING 2009-10

- **Educational Tours & Industrial Training:**

During 2009-10 Educational Tours were organized for B.tech/M.Tech students. The details of the tours are given in the table below:

Sl. No	Class Branch	Period of visit	Places of visit
1	M.Tech.(CTM)	On 20-09-2009	6B INCLINE & OCP 2, Ramagundam

2	M.Tech(PS & PED)	23-10-09 to 26-10-09	PGCIL & VSP, Vizag
3	II/IV B.Tech (EEE)	14-12-09 to 21-12-09	CPRI, BHEL & IISC, Bangalore
4	III/IV B.Tech(EEE)	12-03-10 to 15-03-10	Vizag Steel Plant
5	II/IV B.Tech (EEE)	03-05-10 to 09-05-10	CORI, HVDC & BHEL at Bangalore, Mysore & Ooty
6	II/IV B.Tech(ECE)	17-12-09 to 24-12-09	CISCO, NAL & ISRO, Bangalore
7	III/IV B.Tech (MME)	4-09-09 to 07-09-09	Vizag Steel Plant
8	III/IV B.Tech (Chemical)	On 29-08-09	M/S SVN Solvent Extraction Plant, Rangasai Pet.

- **Seminars organized**:

Training & Placement Section has organized a training programme for all UG and PG students on "Soft Skills", by Mr.Anil. K . Jampala, President, Hyderabad Software Experts Association on 25th Oct'09.

- **Industrial Training:**

In the year 2009-10 (during vacation), more than 800 students of II and III year B.tech (all branches) were sent for the practical training to reputed organizations.

2.11 Games and Sports

The Department of Physical Education provides training facilities for all the students and staff of this Institute. It has excellent infrastructure facilities for both outdoor and indoor games and sports. The outdoor games include Volley Ball, Foot Ball, Cricket, Tennis, Ball Badminton, Kabaddi, Kho-Kho, Hand Ball, Hockey, Tennikoit, Basket Ball (concrete) and Tennis. Flood Light facility is provided to all the outdoor games. The sports ground accommodates a 400m standard track, an excellent pavilion and facilities for all athletic events.

The Indoor Games Complex (IGC) provides the following facilities:

Chess, Caroms, Gymnastics, Shuttle badminton with wooden flooring, Table Tennis, Weight Lifting and 16 & 12 stations multi- Gyms.

Activities of the department include

- Organizing intramural and extramural competitions and preparing the students for the same.
- Encouraging student participation in inter-collegiate, Inter University, Inter-NIT and other open tournaments in the country.
- Organizing Inter-Collegiate tournaments, Inter University, Inter-National Institute of Technology tournaments coaching camps and open tournaments in various sports and games.
- Organizing tournaments for Teaching and Non-Teaching staff.

2.12. Notable Achievements

Curriculum

The IIT pattern has been introduced in the curriculum. Credit based semester system has been introduced at the UG and PG levels. New admission procedures have also been implemented at the UG, PG and Doctoral levels keeping in view the patterns existing in the IITs.

Infrastructure

The following construction activities are in progress:

- Renovation of Hostels, and Quarters
- Construction Work on a 1000 seater Mega Hostel Block
- Construction Work on a 250 seater Hostel Block for Foreign Students
- Construction work on a 1000 seater mess -cum -dining hall
- Construction work on a multistoreyed ultra mega hostel block

Research and Development

The Ministry of Human Resource Development, the Council for Scientific and Industrial Research, the University Grants Commission, the Department of Science and Technology, the Ministry of Communications and Information Technology and the Department of Atomic Energy are other sponsors for research projects in several departments.

During 2009-10, the funds received towards research projects are shown given below:

DST, CSIR, R&D and other Agencies			4.80 crores
No. of research papers published during 2009-10		:	159
Finance Received:	(GOI) Plan & Non-Plan	:	133.78 crores
	(World Bank)	:	--

MoUS SIGNED WITH MANY FOREIGN UNIVERSITIES

In a significant move, NIT Warangal took the initiative to sign MoUs with several reputed foreign universities during the year under consideration.

1. International Federation for Entrepreneurship Science and Technology , USA
2. Malasdalen University, Sweden
3. Laurea University of Applied Science, Finland
4. (AoC) University of Tampere, Finland

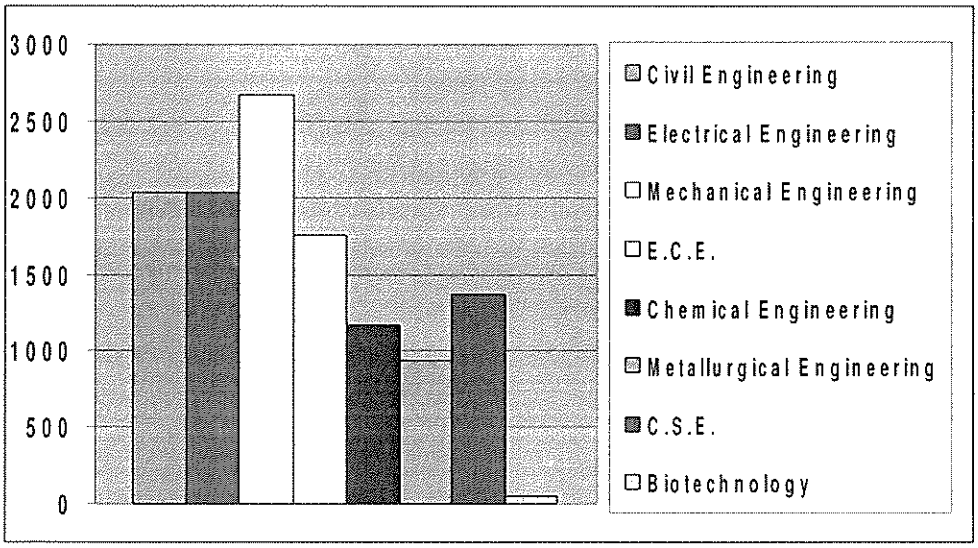
The agreement aims to establish a framework for cooperation between NIT Warangal and the other institutes in the possible areas of Joint activities which may include the following:

- Joint research and training programmes
- Faculty and student exchange
- Consultancy and evaluation
- Conduct of seminars/conferences/workshops
- Joint publications

DEGREES AWARDED TILL 2010

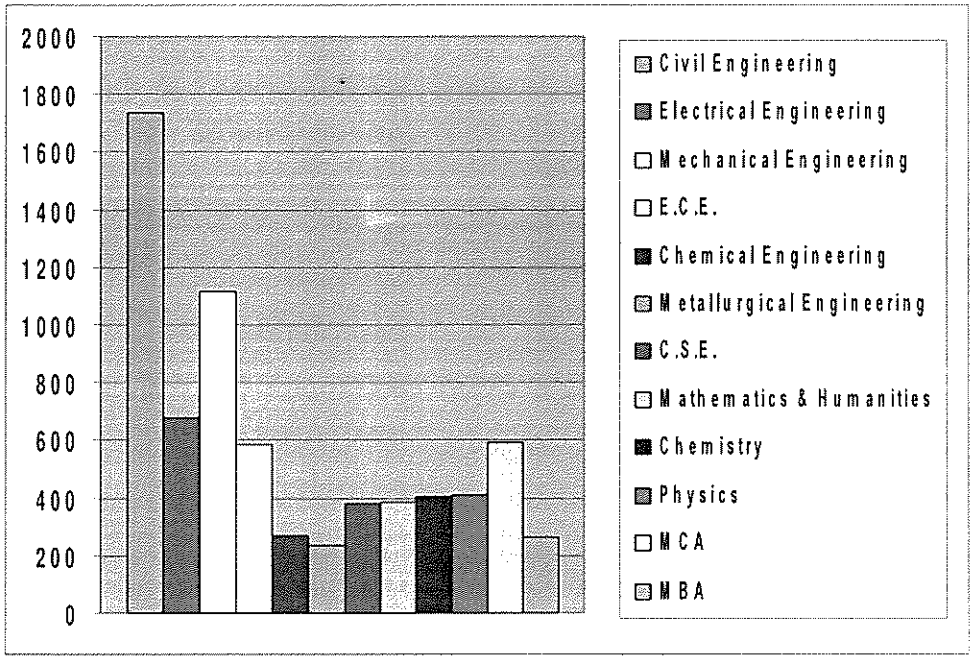
A) B.Tech.

Civil Engineering	**2037**
Electrical and Electronics Engineering	**2038**
Mechanical Engineering	**2675**
Electronics & Communication Engineering	**1756**
Chemical Engineering	**1166**
Metallurgical and Materials Engineering	**938**
Computer Science & Engineering	**1365**
Biotechnology	**47**



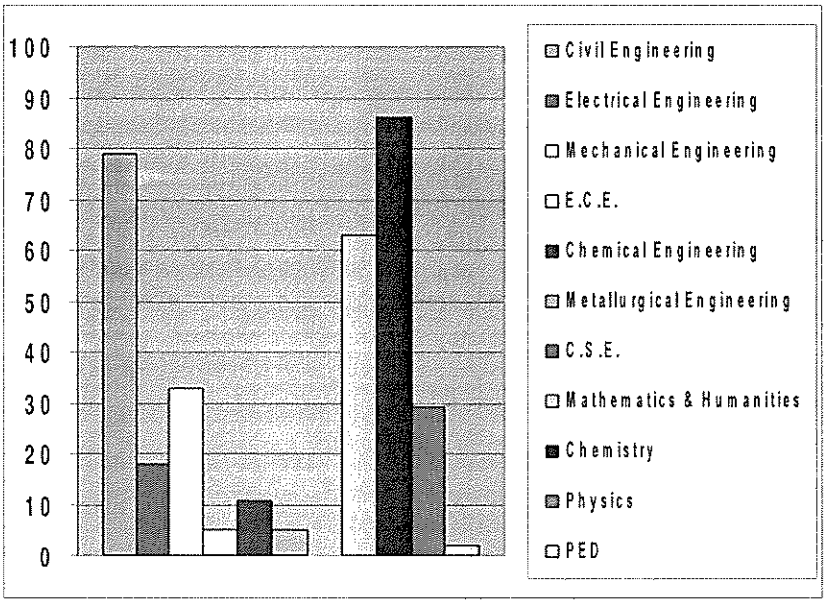
B) M.Tech. / M.Sc. / M.C.A. / M.B.A.

Civil Engineering	1736
Electrical Engineering	677
Mechanical Engineering	1116
Electronics & Communication Engineering	582
Chemical Engineering	268
Metallurgical and Materials Engineering	232
Computer Science & Engineering	378
Mathematics & Humanities	385
Chemistry	402
Physics	409
Master of Computer Application	592
Master of Business Administration	265



C) Doctoral

Civil Engineering	79
Electrical Engineering	18
Mechanical Engineering	33
Electronics & Communication Engineering	05
Chemical Engineering	11
Metallurgical and Materials Engineering	05
Computer Science & Engineering	--
Mathematics & Humanities	63
Chemistry	86
Physics	29
Physical Education	02



3.0 THE STAFF

3.1 Academic Staff (Teaching)

Prof. Y.V. RAO (upto 07.4.2010) — **Director**

Prof. S.S.GOKHALE (from 08.4.2010) — **Director (Additional Charge)**

Name	Areas of Specialization
Department of Civil Engineering	
Professors	
C.B.Kameswara Rao, Ph.D. **Dean (Faculty Affairs)**	Ferro cement Rural Technology
K.V.Jayakumar, Ph.D. (on lien)	Urban Storm Water Management
N.V.Umamahesh, Ph.D. **Head**	Water Resources Systems ANN Fuzzy logic
P.Anand Raj, Ph.D.	Fuzzy Logic and Decision Support Systems
D. Ramaseshu, Ph.D. **I/c Project Engineering Unit**	Fiber Reinforcement Concrete Ferro Cement, Fracture Mechanics
G. Rajesh Kumar, Ph.D.	Pre Stressed Concrete High Strength Concrete
C.S.R.K.Prasad, Ph.D.	Transportation Demand Modeling Traffic Engineering and Management
Yedla Sudhakar, Ph.D. (upto 28.02.2010)	Environmental Engg. & Management
Associate Professors	
Mohd. Ali, M.Tech. **Resident Engineer** **(upto 02.07.09)**	Soil Dynamics Aerial Photogrammetry and Remote Sensing
Ms. G.Maruthi, M.Tech	Advanced Surveying and Cartography Earth Dams
V.N.Kameswara Rao, M.Tech.	Fluid Mechanics Groundwater
D.Deva Pratap, Ph.D.	Engineering Geology Remote Sensing & GIS
E.V.Rathnam, Ph.D.	Water Resource Engineering, Irrigation
M. Chandrasekhar, Ph.D. (on lien)	Water Quality Management Environment Engineering
P.Rathish Kumar, Ph.D.	High Performance concrete Ferro Cement

T.D.Gunneswara Rao, Ph.D.	Fiber Reinforced Concrete Structural analysis
P.Harikrishna, Ph.D. **Resident Engineer (from 03.07.09)**	Foundation Engineering Stone columns
V.Ramana Murthy, Ph.D.	Low cost housing, Expansive soil Ground Improvement techniques
Assistant Professors	
M.Sudhakar, M.E.	Fibre Reinforced Concrete
M.Heeralal, M.Tech.	Surveying Building Materials
T. Shashidhar, Ph.D.	Bioremediation, Contaminant Transport Modelling.
K. Venkata Reddy, Ph.D.	Remote Sensing and GIS
Venkaiah Chowdhary, M. Tech	Civil Engg.
P. Hari Prasad Reddy, Ph.D.	Remidical measures for Alkali induced heave in Soils
D.S.N.V. Amar Kumar, M. Tech	Civil Engg.
S. Venkateswara Rao, M. Tech	Structural Engineering

Department of Electrical Engineering

Professors

P.V. Ramana Rao, Ph.D	Power System Protection & Stability HVDC Multi Phase Transmission
M. Sydulu, Ph.D. **Dean (Research & Consultancy)**	Real Time Control of Power Systems, Distribution Systems, Applications of ANN, Fuzzy and Genetic Algorithms.
D.M. Vinod Kumar, Ph.D. **Dean (Academic Affairs)** **(from 03.08.09)**	AI Techniques in Power Systems, Flexible AC Transmission Systems, Energy Management Systems
D.V.S.S. Siva Sarma, Ph.D. **Head (from 01.07.09)**	Power System Transients, FACTS EMTP Applications, Power Systems Protection
Associate Professors	
N. Subramanyam, Ph.D.	Power System Stabilizers Intelligent Control Applications to Power Systems Distribution Systems

Bhagwan K. Murthy, Ph.D.	Power Electronics & Drives, DSP Applications to drives, AI Applications to Drives
V.T. Somasekhar, Ph.D.	Power Electronics & Drives, Simulation of Power Electronic Converters and Drives
N. Viswanathan, Ph.D.	Simulation of Power Electronic Converters & Drives Control of Special Machines
N.V. Srikanth, Ph.D.	FACTS, Power Systems Stabilizers, Power Systems Stability and Control
S. Srinivasa Rao, Ph.D..	Power Electronics and DSP controlled AC Drives, Renewable Energy
Ch. Venkaiah, M.Tech.	Electrical Engineering Entrepreneurship Development

Assistant Professors

Ms. M. Sailajakumari, Ph.D.	Multi objective optimal power low solution using evolutionary computation techniques
B. Nagu, M.Tech.	Power Systems
Ms. S.Porpandiselvi	Applied Electronics

Department of Mechanical Engineering

Professors

G. Srihari, Ph.D. (upto 31.07.09)	Production Engineering
B. Kotiveerachari, Ph.D.	Machine Tools Metal Cutting
R.V. Chalam, Ph.D. **Dean, Academic Affairs** **(upto 02.08.09)**	Design Engineering Vibrations
G. Ravindranath Tagore, Ph.D.	CNC Systems, Welding Technology Modeling of Manufacturing Systems
K. Madhu Murthy, Ph.D. **Head**	Thermal Engineering Entrepreneurship Development
A.V. Narashimha Rao, Ph.D.	Combustion, Solar Energy
L. Krishnanand, Ph.D. **Dean (Planning & Development)** **(from 03.08.09)**	CAD / CAM, Industrial Engineering
Ch. S. Prakasha Rao, Ph.D.	CIM, Simulation, CAD / CAM

S. Srinivasa Rao, Ph.D. **TEQIP Co-ordinator**	Heat Transfer Refrigeration & Air Conditioning
P. Bangaru Babu, Ph.D. **(Co-ordinator SRIC)**	Vibration, FFA Robotics
Associate Professors	
C. Gururaja Rao, Ph.D.	Heat Transfer, Refrigeration & Air Conditioning
A. Venugopal, Ph.D. **I/c Training & Placement Section**	Production Engineering
A. Neelakanteswara Rao, Ph.D.	Industrial Engineering & Management
G. Amba Prasad Rao, Ph.D	IC Engines, Alternate Fuels
N. Selvaraj, Ph.D.	Tool Design & Metal Cutting, CAD / CAM
K.V. Sai Srinath, Ph.D.	Foundary Technology
P. Ravi Kumar, Ph.D.	IC Engines & GAS Turbines
G. Venkateswara Rao, M.Tech.	Machine Tools, Metal Cutting
G.R.K. Gupta, M.E.	Turbo Machinery Computational Fluid Dynamics
I. Ashok Kumar Reddy, M.Tech.	Design and Production of Machine Tools
Assistant Professors	
R. Narasimha Rao, Ph. D.	Aluminium Matrix Composites
V. Suresh Babu, M.Tech.	Machine Design, Vibrations
A.Veeresh Babu, M.Tech.	Refrigeration & Air-Conditioning, IC Engines
Y. Ravi Kumar, M.Tech.	CAD/CAM/CIM, Rapid Prototyping, Reverse Engineering
N.Venkaiah, Ph.D.	Mechanical Engineering
V. Vasu, M. Tech	Manufacturing Systems
T. Sadasiva Rao, M. Tech	M/c Tools
B. Subhash Chandra Bose, M. Tech	Production Engineering
Adepu Kumar, Ph.D.	Production Engineering

M. Joseph Davidson, Ph.D.	Investigation on thin walled AA6061 tubes formed by low forming process
G. Nagasrinivasulu, M. Tech	Design & Production of ICE & Gas Turbines

Department of Electronics and Communication Engineering

Professors

K.S.R. Krishna Prasad, Ph.D.	VLSI System Design Instrumentation, Imaging
N.S. Murthy, Ph.D.	Digital Signal Processing Instrumentation & VLSI
N.V.S.N. Sarma, Ph.D. **(I/c Guest House)**	Microwave Communications Numerical Electro-magnetics

Associate Professors

M.V. Raghunath, M.E.	Pattern Recognition Communication Systems
C. Buchi Rama Rao, Ph.D.	Digital Signal Processing
K. Ravi Kishore, M.Tech.	Digital System Design Computer Networks & VLSI
T. Kishore Kumar, Ph.D.	Digital System Design
Ms. B. Lakshmi, M.Tech.	Digital System Design, VLSI

Assistant Professors

T.V.K. Hanumantha Rao, M.Tech.	Microelectronics
N. Bheema Rao, Ph.D.	Tunable spiral inductor for RF applications
P. Harikrishna Prasad, M.Tech.	Digital Communications
S.K.L.V. Sai Prakash, M.Tech.	Instrumentation, Computer Networks
L. Anjaneyulu, Ph.D.	Classification of Low SNR LPI Radar Signals
Ms. P. Prithvi, M.Tech.	Electronic Instrumentation
K.V. Sridhar, M.Tech.	Digital Signal Processing
Ms. V. Rama, M.Tech.	Electronic Instrumentation
P. Sreehari Rao, M.Tech.	Computer Networks Communications Systems

A. Prakash Rao, M.Tech.	Communication Systems
P. Muralidhar, M.Tech.	Electronic Instrumentation
J. Ravi Kumar, M.Tech.	Digital System Design
K. Sarangam, M.Tech.	VLSI System Design
Ms. D. Vakula, M.Tech.	Microwaves
Ms. V. Venkata Mani, Ph.D.	Smart antenna design techniques ultra wide band
Ms. S. Anuradha, M. Tech	Electronics Instrumentation & Engineering

Department of Computer Science & Engineering

Professors

V. Rama Rao, Ph.D.	Theoretical Computer Science VLSI Design
T. Ramesh, Ph.D.	Programming Languages & Systems Optimization Techniques
D.V.L.N. Somayajulu, Ph.D. Head	Database Management Systems Distributed Databases Data Warehousing and Data Mining Information Security
B.B. Amberkar, Ph.D. **(Head, CC)** **Faculty I/c Telecom Centre**	Computational Number Theory and Algorithms

Associate Professors

S.G. Sanjeevi, Ph.D.	Connectionist reasoning models using course coded distributed representations
K. Ramesh, M.Tech.	Computer Networks, Distributed Systems, Design Patterns, Frameworks, Information Security

Assistant Professors

S. Ravichandra, M.Tech.	Software Engineering, OD Databases, Graphics
Ch. Sudhakar, M.Tech.	Operating Systems, Parallel Processing
B. Raju Naik, M.Tech..	Software Engineering
T. Rama Krishnudu, M.Tech.	Database Systems and Security

R.B.V. Subramanyam, Ph. D.	Data Mining Techniques for Quantitative Databases
Ms. R. Padmavathy, Ph.D.	Computational Studies on Discrete Logarithm Problem

Department of Chemical Engineering

Professors

G. Venkat Reddy, Ph.D. **Registrar (from 20.04.2010)**	Modelling, Simulation & Optimization Fluidized bed combustion, Pollution Control
R. C. Sastry, Ph.D.	Heat Transfer, Two-Phase Flow Optimization, Process Control
Y. Pydi Setty, Ph.D.	Fluidization and Reaction Engineering Heat Transfer, Optimization

Associate Professor

A. Sarath Babu, M.Tech.	Modelling, Simulation and Optimization Kinetics and Thermodynamics
A. Venu Vinod, Ph.D. **Head**	Bio-chemical Engineering, Heat Transfer, Fluid Mechanics
Ms. K. Srivani, M.Tech.	Computer Control of Processes Numerical Analysis

Assistant Professors

K. Anand Kishore, M.Tech.	Pharmacy, Fine Chemicals
S. Srinath, M.Tech.	Design, Simulation
Nanda Kishore, Ph. D. (upto 12.12.2009)	Single and Ensembles of Spherical bubbles
S. Srinu Naik, Ph.D.	Chemical Reaction Engineering

Department of Metallurgical and Materials Engineering

Professors

M. Krishna Mohan, Ph.D.	Extractive Metallurgy Sulphides Metallurgy
P. Surya Prakash Rao, Ph.D. **Head**	Extractive Metallurgy Sulphide Metallurgy

Associate Professors

G.V.S. Nageswara Rao, Ph.D.	Surface Engineering, Powder Metallurgy
P. Ravinder, M.Tech.	Foundary Metallurgy, Extractive Metallurgy

Assistant Professors

Ms. C.Vanitha, Ph.D.	Heart differmation & recrystallization in zirconium alloys texture & micro structure developments
Asit Kumar Khanra, Ph.D.	

Department of Bio-technology

Assistant Professors

Omkar Perumal, M.Tech.	Biotechnology
Korrapati Narasimhulu, M.Tech.	Biotechnology
P. Srinivasa Rao, Ph.D. **Head**	Fraternization & Characterization of Engine involved in the Microbial bioconversion of arteannium B2 artenisinin by using streptomycespactum

Department of Physics

Professors

K. Srimannarayana, Ph.D.	Photonics
J. Ramachander Rao, Ph.D.	Electronics
G. Ramachandra Reddy, Ph.D (Lien)	Photonics
A. Ramachandra Reddy, Ph.D	Materials Science
S.V.S. Ramana Reddy, Ph.D **Head (upto 04.10.2009) & Chief Warden**	Nuclear Physics
L. Ramgopal Reddy, Ph.D. **Head (05.10.2009)**	Tropospheric Radio Communication, Electronics

Associate Professors

M. Sai Shankar, Ph.D	Photonics
R.L.N. Sai Prasad, Ph.D.	Accoustical Holography, Electronics
K. Venugopal Reddy, Ph.D.	Materials Science
B. Sobha, Ph.D.	Materials Science
D. Dinakar, Ph.D.	Electronics

Assistant Professors

T. Venkatappa Rao, Ph. D.	Theoretical study of rare earth compounds and alloys

P. Shyam Prasad, Ph.D.	Synthesis characterization & Physical properties of Pbo-MoO_3-B_2O_3 glass system doped with some transition method ions
P.Abdul Azeem, Ph.D.	Studies on spectroscopic & other related properties of non-crystalline

Department of Chemistry

Professors

B. Venkata Appa Rao , Ph.D.	Corrosion Science Environmental Chemistry
A. Ramachandraiah, Ph.D.	Coordination Chemistry, Electrochemistry
G.V.P. Chandramouli, Ph.D.	Synthetic Organic Chemistry Hetrocyclic Chemistry
I. Ajit Kumar Reddy, Ph.D. **Dean (Student Affairs)**	Micellar Catalysis, Chemical Kinetics
P. Nageswara Rao, Ph.D.- Head	Analytical Chemistry Extractive Spectrophotometry
K. Laxma Reddy, Ph.D.	Coordination Chemistry Environmental Chemistry

Associate Professors

Ms. B. Rajitha, Ph.D.	Hetrocyclic Chemistry
V. Rajeshwara Rao, Ph.D.	Hetrocyclic Chemistry

Assistant Professors

K.V. Gobi, Ph. D	Physical Chemistry
Ms. P.V. Srilakshmi, Ph.D.	Bio-organic Chemistry, Supra-molecular Chemistry
Vishnu Shanker, Ph.D.	Synthesis & Dielectric Properties soils
Venkatathri Narayanan, Ph.D.	Synthesis characterization

Department of Mathematics

Professors

T.K.V. Iyengar, Ph.D.	Fluid Mechanics Optimization Techniques

G. Radhakrishnamacharya, Ph.D.	Bio Mechanics, Fluid Mechanics
Y.N. Reddy, Ph.D. **Head, M & H from (07.01.2010)**	Numerical Analysis

Associate Professors

N. Srinivasacharyulu, Ph.D. Head (upto 06.01.2010)	Numerical Methods
K.N.S. Kasi Viswanadham, Ph.D.	Finite Element Methods Optimization Techniques
J.V. Ramana Murthy, Ph.D.	Non Newtonian Fluid Mechanics Special Functions
Debashis Dutta, Ph.D.	Operations Research
D. Srinivasa Charya, Ph.D.	Polar Fluid Mechanics Computational Fluid Dynamics

Assistant Professors

Ms. J. Pranitha, M.Sc.	Applied Mathematics
R.S. Selvaraj, Ph.D.	Coding Theory
P. Muthu, Ph. D.	Mathematics
Ms. P. Hari Punnamma Rani, Ph. D.	Natural convective flow over vertical cylinder
A. Benerji Babu, Ph.D.	Mathematics & CIS
R.Sudhesh, Ph.D. (upto 06.10.2009)	Time-Dependent analysis of state development queries

Department of Humanities & Social Sciences

Professor

S.Thiruvenkataswami, Ph.D., MA-TEFL (UK) (upto 07.08.2009)	English for Specific Purposes (ESP) English and Commonwealth Literatures
D.S. Kesava Rao, M.Phil,Ph.D. P.G.D.T.E **Head**	English and Commonwealth Literatures English Language Teaching and ESP

School of Management

Professor

L. Krishnanand, Ph.D., Head	CAD / CAM, Industrial Engineering

Associate Professors

M. Ravinder Reddy, Ph.D.	Engineering Economics Economics & Agriculture Economics

Ms. K. Padma, Ph.D.	Engineering Economics
R. Mohan, M.B.A.	Financial Management

Assistant Professors

R. Ramlal, Ph.D.	Organizational Behaviour, Human Resource Management
Ms. G. Sunitha, M.B.A., M.Phil.	Finance Management
Ms. Ritanjali Majhi, Ph.D.	Financial Forecasting
Ms. S. Laxmi Tulasi Devi, Ph.D.	

Physical Education

Physical Directors

R. Dayanithi, Ph.D. **Head (from 01.07.2009)**	Training Methods
P. Madhusudhan Reddy, Ph.D.	Sports Psychology
P. Ravi Kumar, Ph.D.	Exercise Physiology

Computer Centre

Programmer

P. Mohan, M.Sc., PGDCA

3. 2 Non-Academic Staff

a. Administrative Officers

Registrar	...	Prof. Y.N. Reddy (upto 04.9.2009)
Registrar	.....	Prof. C.S.P. Rao (upto 19.4.2010)
Registrar	.....	Prof. G. Venkat Reddy (from 20.4.2010)
Dy. Registrar (Accts.)	.....	Sri R. Mohan
Dy. Registrar (Acad)	.....	Dr. D. Dinakar
Asst. Registrar (Admn.)	....	Sri T. Paul (Officiating)
Asst. Registrar (Accts.)	...	Sri A.Chandramouli (Officiating)
Asst. Registrar (Acad.)	...	Sri P. Raghupathi Reddy (Officiating)
Librarian	...	Sri R. Sammi Reddy
Asst. Librarian	...	Sri A. Yadagiri (utpo 31.1.2010)
Workshop Foreman	...	Sri R. Veeraswamy
Workshop Foreman	...	Sri K. Yella Swamy (Officiating)
Stores Officer	...	Sri S. Chandrasekhar
Medical Officer	...	Dr. (Mrs.) A. Aruna
Medical Officer	...	Dr. K. Thirupathi Reddy (Contract basis)
Dy. Executive Engineer	...	Sri G. Ramesh
Resident Engineer	...	Sri Rajendra karan
Programmer	...	Sri P. Mohan

b. Non-Teaching Staff

S.No.	Name & Designation
	SUPERINTENDENT/ACCOUNTANT
1.	Chandramouli A (officiating A.R)
2.	Raghupathi Reddy P (officiating A.R)
3.	Paul T (officiating A.R)
4.	Vittal Rao V (Rtd. on 31-01-10)
5.	Krishna Rao P
6.	Nageswara Rao Ch
7.	Raju G
8.	Krishnamurthy A R
9.	G.Keshavulu
10.	Janardhan R
11.	Gurupathy B (from 3-2-10)
	SR.ASST./UD CASHIER/ UD RECORD KEEPER
1.	Gurupathy B (upto 2-2-10)
2.	Sammaiah A
3.	Sangaiah R (Rtd on 30.06.10)
4.	Prabhakar K (Expired on 14.05.10)
5.	Sandhya Rani D
6.	Sudhakar M
7.	Md.Zafar (EOL)
8.	Gopinath R
9.	Qureshi A A
10.	Prakash S S
11.	Mahabul D
12.	Quamar Pasha S A
13.	Shamshul Hussain Md
14.	Bala Subramanyam G
15.	Shiva Kumar P
16.	Samel P
17.	Samba Murthy M
18.	Rama Rao A
19.	Mallaiah R
20.	Srinivasa Reddy M
21.	Sanjeeva M
22.	Shyamala J
23.	Parasuramulu R
24.	T. Kiran Kumar
25.	Sridhar Rao M
26.	M.Sadar Lal (from 10-7-09)

S.No.	Name & Designation
	JR.ASST.
1.	Sadar Lal M (upto 09-07-09)
2.	Md. Afzal
3.	Mahender Singh S
4.	Suresh V
5.	Dilip Kumar T
6.	Prem Kumar P
7.	Aliullasha Khader Md
8.	Mahesh Kumar Y
9.	Hymavathi P
10.	Bhaskar J
11.	Bhaskar T
12.	Srinivas R
13.	Someshwar Rao A
14.	Jai Singh A
15.	Kiran Kumar A
16.	Srinivas T
17.	Sarvaiah M
18.	Mangilal B
19.	Rajanna M
20.	Jagadeesh Kumar A
	JR.ASST.(S)
1.	K.Nagender Rao
2.	Venkateswarlu S
3.	Srinivasa Rao K
4.	Dayakar P
5.	Ashwin Kumar D
	JACT
1.	Narender V
2.	Veda Prakash G
3.	Ms. Husna
4.	Nanu Lunavath
	TYPIST/LD TYPIST/LD STENOR TYPIST
1.	Ch.S. Prakasa Rao
2.	Padmaja G
3.	Indira Priyadarshini B
4.	Renuka D
5.	Ashok Kumar P

CTCR

1. Jayanth G

STORE ASSISTANTS

1. Chandraiah P (Jr.)
2. Ismail Md
3. Md. Chand
4. Kumaraswamy K R
5. Ilaiah T
6. Bhaskar M
7. Ilaiah R
8. Jaffer Md (Retired on 30.06-10)
9. Adam S
10. Rajeswar Rao G
11. Veeraswamy(Sr) G
12. Saraiah K
13. Sowbhagyvathi K (Retired on 31-05-10)
14. Sarada S
15. Syed Mustafa
16. Sambaiah N
17. Sivaprasad V
18. Ramesh K
19. Rajamouli K
20. Devendra K
21. Anandam G
22. Ramesh Babu Ch
23. Ramesh D
24. Kishore Kumar N
25. Akbar Md
26. Heerulal P
27. Vara Prasad A
28. Bhaskar P
29. Bikshapathy Y
30. Tara Bai B
31. Farooq Azam Md
32. Narayana. G
33. Kamala K
34. Kumar Swamy M
35. Shoukat Ali Md.
36. Krishna Veni P
37. Rajender K (from 9-9-08)
38. Somaiah G (from 4-5-09)
39. Sambaiah G (from 4-5-09)
40. Somaiah G (from 4-5-09)

RONEO OPERATOR

1. Ramesh A

GARDEN SUPERVISOR

1. Umamaheswar Rao P

HEAD MALAN

1. Radha A

ATTENDER

1. Balaji Singh T
2. Inqushaf Ali Md.
3. Rajendra Prasad P
4. Ravinder M
5. Devadas T
6. Eswar P
7. Mallikarjun K
8. Bikshapathy A
9. Srikanth P
10. Srinivas J
11. Srihari G
12. Narasimhulu N
13. Aruna Mary
14. Sridhar Kumar G

MALAN

1. Shaheen Begum

S-C-S

1. Sambaiah A
2. Zaheeruddin Md

BOOK CLEANER

1. Narsaiah J

CLEANERS

1. Ramesh V
2. Abdul Gaffar Md

SR. LIB. ASST.

1. Prasad K J

JR. LIB. ASST.

1. Sudarshanam B

TECHNICAL HELPERS

1. Gattaiah Ch
2. Chandramouli L
3. Kattaiah Ch
4. Komuraiah K (Sr)
5. Yellaiah N
6. Venkatadri L
7. Kondaiah P
8. Srinivas(Sr.) A
9. Janardhan G
10. Veeraiah P
11. Dasaratham N
12. Saraiah G
13. Ilaiah B
14. Rajaiah L (Expired on 01-06-10)
15. Jakkaiah B
16. Jumani L
17. Komuraiah L
18. Rajaiah A
19. Takur B
20. Shankar K
21. Srinivas(Jr) A
22. Komuraiah S
23. Ilaiah P(Jr.)
24. Komuraiah K (Jr)
25. Sanjeevaiah K
26. Veeraswamy(Jr.) G
27. Hajia D
28. Komuraiah A
29. Dayakar Y
30. Yadamma V
31. Nagamani V
32. Hussain Md
33. Gouri Shankar G
34. Afzal Md
35. Rajaiah K
36. Saraiah P
37. Yadimallu P
38. Laxmaiah B
39. Murali Krishna K
40. Prasad A
41. Laxmi T
42. Palaiah P
43. Ramulu B
44. Tirupathi B
45. Kumara Swamy B
46. Ilaiah R Mali
47. Venkatamma K
48. Rajamma J
49. Rajanna J
50. Shankariah M
51. Sajida Khaton
52. Surayya B
53 Jayasri B
54 Jayalakshmi K
55 Pratap G
56 Murali G

STORE KEEPER (TECH.)

1. Vasanth Ram M

STOCK VERIFIER

1. Manohar Rao M (Rtd. on 31.10.09)

W/S Supervisor

1. Yella Swamy K.

ASST. ENGINEER

1. Sardar Singh M

TECH. ASST.

1. Samson B
2. Janardhan R
3. Rangilal B
4. Sukumar D

COMPUTER OPERATOR

1. Karuna Rani M
2. Gnaneshwar D
3. Aparna T
4. Govinda Rao D (EOL)
5. Padmasri K S S S
6. Seshu Babu (EOL)
7. Veeranna T

MECH. A GR.

1. Sanjiva Rao V
2. Subba Rao K
3. Narayanamurthy K (Rtd. on 28.02.10)
4. Siddiramulu T
5. Ravinder D
6. P.Kumaraswamy (Rtd. on 31.08.09)
7. Srinivas B
8. Kumaraswamy G
9. Narasimha M
10. Savvaiah G
11. Ramesh K(Sr.)
12. Ramesh K(Jr.)
13. Suryanarayana T (from 2-9-09)

MECH. B GR.

1 Suryanarayana T (up to 1-9-09)
2 Harinath N
3 Chandra Murthy V
4 Nagabhushanam A
5 Suryababu D
6 Rasheed Md
7 Venkateswarlu V
9 Ravinder K
8 Sudhakar V
9 Purushottam K
10 Laxman A
11 Ramchander Y
12 Parasu Ramulu K
13 Sudhakar N
14 Venugopal S
15 Srinivasulu N
16 Ravinder R (from 10-9-09)

MECH. C GR.

1. Ravi S
2. Sadanandam K (Rtd. on 31.05.10)
3. Balaswamy T
4. Sattaiah V
5. Veerender V
6. Chandra Narayana A
7. Vijay Kumar K
8. Anand Singh K
9. Mahendra Kumar K
10. Venkateswarlu J (Rtd. on 30-04-10)
11. Ravinder R
12. Sunil Kumar D
13. Veeranna T
14. Devender B

MECH. D GR.

1 Veeraia D
2 Sambayya V
3 Ramesh M
4 Rajamouli A
5 Ramulu B
6 Kumaraswamy M

DRIVER

1 Ramesh J
2 Paramatma K

STAFF NURSE

1 Rameeja Bee K

PHARMACIST GR-II

1 Satyavedam D

C. Hostel Employees

Head Cook

1 Saraiah G
2 Komaraiah M
3 Venkataiah T
4 Yadagiri C
5 Veeraiah K

Mess Supervisor

1 Rajaratnam Ch
2 Ali Md.
3 Shiak Mohammed
4 Iqbal Md

Head Supplier

1 Komaraiah A
2 Ilaiah T(Jr)
3 Kumara Swamy A

Office Boy

1 Mohd. Ameer
2 Swamy. K
3 Nageshwar Rao.G
4 Suresh kumar.M

Supplier

1 Lingaiah P (Expired on 10.12.09)
2 Jaffer M A
3 Komaraiah N
4 Buchaiah B
5 Kanakaiah A
6 Pentaiah T
7 Saraiah A
8 Joji K
9 Laxmaiah G
10 Rama Swamy M (Retired on 28.2.10)
11 Sailu K
12 Bhadraiah G
13 Raju K
14 Sambaiah G
15 Ilaiah(Sr) T
16 Ilaiah M
17 Ravi. M
18 Kanakaiah K

Asst. Cook

1 Balaiah B
2 Sailu T
3 Yakaiah J
4 Venkateswarlu E
5 Dasthagir Md
6 Yakub B
7 Sivalingaiah K
8 Vaikuntam K
9 Komaraiah J
10 Beeraiah G

Store Boy

1 Mallesham J
2 Mahboob Md
3 Maqbul Jani Md

Kitchen Asst.

1 Rajeswara Rao P
2 Venkataswamy N
3 Shankaraiah K
4 Sammaiah P
5 Ialiah G
6 Chandra Mouli T
7 Krishna Swamy N
8 Chandru G
9 Mondaiah Ch
10 Sadanandam B
11 Rajaiah D
12 Sambaiah(Jr) G
13 Kumara Swamy B
14 Jayaraj K
15 Yellaiah S
16 Azeez Khan Md

Grinding Assistant

1 Ramulu N

Reading Room Boy

1 Babu Rao M

Maid Servant

1 Sommamma V (Retired on 30.06.10)
2 Laxmi Akula
3 Bhadramma G
4 Venkatamma B

Sweeper

1 Chandraiah T
2 Ramulu K
3 Rajaiah A
4 Cheralu K
5 Ilaiah K Ch
6 Ilaiah A
7 Mallaiah N
8 Ejjagiri G
9 Venkataiah A
10 Sammaiah P
11 Bhaskar P
12 Sailu E
13 Sammaiah N
14 Cheralu M
15 Veeraiah K
16 Ilaiah P
17 Prasad S
18 Venkataiah K
19 Damodar Reddy V
20 Suvarna.N
21 Nirmala.R
22 Ramesh.T

H. Watchman

1 Ramulu.N
2 Afzal Pasha. Mohd
3 Sadanandam.B

Male Servant

1 Tirupathi T
2 Lal G
3 Kumara Swamy. K
4 Kumar. P
5 Kumar. B
6 Kumara Swamy.G

3.3. Placement of Staff for Academic Excellence

The following faculty members were trained and placed for academic excellence by means of deputation to participate in Summer / Winter Schools, Seminars, Symposia etc.

1. CONTINUING EDUCATION PROGRAMME:

S. No.	Title of the course	Period		For whom arranged	No. of partici-pants	Name of the Coordinator
		From	To			
CIVIL ENGINEERING DEPARTMENT:						
1.	Urban Transportation	26.2.10	27.2.10	Stake holders	25	Dr. C.S.R.K. Prasad
ELECTRICAL ENGINEERING DEPARTMENT:						
1.	Artificial Intelligence (AI) Applications in Electrical Engineering	29.06.09	11.07.09	Faculty from different Engineering Institutions in the country	60	Prof. D.M. Vinod Kumar & Sri Ch. Venkaiah
2.	Electrical Engineering Department organized a National Seminar on "Prospects and Challenges of Power Sector in Indian context (PCPS-09) in collaboration with Central Power Research Institute, Bangalore	23.10.09	24.10.09	To practicing Engineers & Teachers of Engg. College	60	Dr. DVSS Siva Sarma & Dr. N. Subrahmanyam
3.	MHRD sponsored STTP on "Soft Computing Techniques in Electrical Engineering	7.12.09	19.12.09	Faculty of Engineering Colleges	52	Prof. M.Sydulu Dr. M.Sailaja Kumari
ELECTRONICS AND COMMUNICATION ENGINEERING						
1	Analysis and Design of Electronic Circuits	29.6.09	11.7.09	Engg. College faculty members	38	Dr.N Bheema Rao & A. P. Rao
2	Signals and Systems	9.7.09	21.7.09	Engg. College faculty members	28	Dr. C.B. Rama Rao & K.V.Sridhar

2. SUMMER /WINTER SCHOOLS, SEMINARS AND CONFERENCES ATTENDED:

S. No	Name of the Staff Member Designation	Course attended (while furnishing place the information, name of the Summer/ Winter school or Seminar is to be mentioned)	Period	
			From	To
CIVIL ENGINEERING DEPARTMENT:				
1.	Dr. E.Venkata Rathnam, Associate Professor	DST course on "Isotope Tracer Techniques for Water Resources Development and Management", at CWRDM, Calicut, Kerala.	21.8.10	26.8.10
2	Dr. Venkaiah Chowdary, Assistant Professor	Recent Advances in Bituminous Material Characterization and Evaluation	7.12.09	12.12.09
COMPUTER SCIENCE AND ENGINEERING DEPARTMENT:				
1	Prof DVLN Somayajulu, Professor	IUCEE programme on Design and Analysis of Algorithms	29.6.10	3.7.10
2	Dr.R.B.V. Subramanyam	IUCEE programme on Theory of Computation	6.7.10	10.7.10
METALLURGICAL AND MATERIALS ENGINEERING DEPARTMENT:				
1.	Asit Kumar Khanra	Teaching Methods and Student Evaluation, National Institute of Technology, Warangal, A.P. Inida	7.12.09	8.12.09
CHEMICAL ENGINEERING DEPARTMENT:				
1	Mr. Srinu Naik. S	5th Summer School on Petroleum Refining & Petrochemicals, Indian Oil Institute of Petroleum Management (IIPM), Gurgaon.	7.6.10	11.6.10
CHEMISTRY DEPARTMENT :				
1	Dr. Venkatathri narayanan, Asst. Professor	Summer Research Fellow organized by IASc/INSA/NASI at Nationa Chemical Laboratory, Pune 411008, India	13.5.10	12.7.10
MATHEMATICS DEPARTMENT :				
1	N. Srinivasacharyulu Associate Professor	Key note address delivered at Sreenidhi Institute of Technology Hyderabad at Inauguration of "New Thresholds in Pure & applied Mathematics", a National conference.	13.7.09	14.7.10
2	D. Srinivasacharya, Associate Professor	Coordinators' workshop for 'Effective teaching/learning of Computer Programming' I.I.T., Mumbai	2.5.10	4.5.10
3	H.P. Rani, Assistant Professor	International workshop on PDE: models and Numerics, Department of Mathematics, Indian Institute of Technology, Madras.	7.12.09	16.12.09

BIOTECHNOLOGY DEPARTMENT:				
1	Mr. K. Narasimhulu Lecturer STTP	1. Biotechnology Teaching Excellent Program 2010(BETEP 2010) NIT Calicut	24.5.10	29.5.10
		2. Effective teaching/learning of Computer Programming, NIT warangal	28.6.10	10.7.10
SCHOOL OF MANAGEMENT:				
1	Dr P. Ramlal, Assistant. Professor	Campus Connect – Infosys, Soft Skills workshop held at Infosys Techynologies, PUNE.	22.12.09	24.12.09

3 SEMINARS, SYMPOSIA, CONFERENCES ATTENDED AND PAPERS PRESENTED:

S. No.	Name of the Staff Member and Designation	Seminar/Symposia/ Conference attended while furnishing the information, the name of Seminar, Symposia or Conference is to be mentioned	Place	Period	
				From	To
CIVIL ENGINEERING DEPARTMENT :					
1.	Dr. C.S.R.K. Prasad, Professor	Advances in Mechanical and Building Sciences (published a paper titled "in-situ strength evaluation of pavement layer using dynamic cone Penetrometer")	Vellore, Tamil Nadu	14.12.09	16.12.09
		Sustainable maintenance of rural roads (published a paper titled "rural road pavement performance evaluation–a case study")	Hyderabad	21.1.10	23.1.10
2	Dr. E.Venkata Rathnam, Asso. Professor	ASCE/ EWRI International Conference 2010	IIT Madras, Chennai	5.1.10	7.1.10
3	Dr.V.Ramana Murthy	Indian Geotechnical Coference-2009.	R.V.R&J.C. College of Engg. Guntur	18.2.10	20.2.10
4	Sri M.Heeralal	Indian Geotechnical Coference-2009.	R.V.R&J.C. College of Engg. Guntur	18.2.10	20.2.10
		3rd International Conference on Problematic Soils.	Adelaide, Australia	7.4.10	9.4.10
5	Sri Mohammad Ali	3rd International Conference on Problematic Soils.	Adelaide, Australia	7.4.10	9.4.10

6.	Dr.K. Venkata Reddy & Dr. Devapratap	MRSS 6th International Remote Sensing and GIS Conference	Kuala Lumpur Malaysia	28.4.10	29.4.10
7.	Dr.K.Venkata Reddy	8th IAHS Scientific Assembly &37th IAH Congress	Hyderabad	6.9.10	12.9.10
ELECTRICAL ENGINEERING DEPARTMENT :					
1.	N.V.Srikanth	INDICON 2009 International Conference	Kolkata	18.12.09	19.12.09
2.	Prof. P.V. Ramana Rao	5th IEEE Conference on Industrial Electronics and Applications	Taiwan	10.06.10	--
3.	Dr. DVSS Siva Sarma	"Mitigation of Voltage Sag using Time-Ratio Controlled Autotransformer" is presented at IEEE International Conference – TENCON 2009, Singapore	Singapore	23.11.09	26.11.09
4.	Dr. DVSS Siva Sarma	"Modelling of Nonlinear Loads for Analysis and Mitigation of Harmonics in Industrial System" is presented at IEI National Seminar – Harmonica'09	Nagpur	27.11.09	28.11.09
5.	Dr. DVSS Siva Sarma	Mitigation of Voltage and Current Harmonics in Distribution System using Hybrid Active Filters" is presented at International Conference on Power Systems-ICPS'09 IIT Kharagpur,	Kharagpur	27.12.09	29.12.09
6.	Dr. DVSS Siva Sarma	Paper titled "Mitigation Devices for voltage Sag and Swell" is presented at National Seminar – Total Power Quality Management, Hyderabad, organized by FICCI and APQI	Hyderabad	22.02.10	--
7.	Prof. M.Sydulu	Paper titled "Non-Interative state Estimation Based Neural Network for short term load forecasting of Distribution Systems" Is presented at International conference, IEEE power Engineering society (PES) Meeting-09, Calgary, Alberta, Canada, pp1-8	Canada	26.7.09	30.7.09

8.	Prof. M.Sydulu, & Dr. M.Sailaja Kumari)	Paper titled "Congestion management in deregulated power system by optimal choice and allocation of FACTS controllers using multi-objective genetic alogarithm" is presented at International conference, IEEE-2010, PES Transmission and Distribution conference and exposition, N&W Orleans, LA, USA pages 1-7	USA	19.4.10	22.4.10
MECHANICAL ENGINEERING DEPARTMENT:					
1.	Prof.L.Krishnanand	17th Global symposium 2009 "Managing Projects, Programme & Portfolios"	New Delhi		
2.	V. Suresh Babu	VETOMAC-VI	New Delhi	12.12.10	15.12.10
3	G. Amba Prasada Rao	Small Engine Technology conference	Penang, Malaysis	3.11.09	5.11.09
ELECTRONICS AND COMMUNICATION ENGG. DEPARTMENT:					
1	D. Vakula and N. V. S. N. Sarma	Neural Network Approach to Diagnose Positional Faults of Antenna Array	KL college of Engineering, Vaddeswaram	7.1.10	9.1.10
2	D. Vakula and N. V. S. N. Sarma	A Generalized Method to Diagnose Faults of Antenna Array Using Neural Networks	VR sidhartha Engineering College Vijayawada	6.1.10	7.1.10
3	D. Vakula and N. V. S. N. Sarma	Using Neural Networks for Fault Detection of Patch Antenna Array	New Delhi	13.2.10	--
4	S.Anuradha,	Performance analysis of SC DS -CDMA and MC DS-CDMA systems over fading channels	K.L University , Vijayawada	7.1.10	9.1.10
5	S.Anuradha,	Performance analysis of coherent DS-CDMA in Nakagami multipath fading channel	V.R Siddhartha Engg College , Vijayawada	6.1.10	7.1.10
METALLURGICAL AND MATERIALS ENGINEERING DEPARTMENT:					
1	M.K. Mohan	"National Seminar on Environmental Management in Metallurgical Industries (EMMI-2010)"	Varanasi	15.3.10	16.3.10

CHEMICAL ENGINEERING DEPARTMENT:					
1	Dr. R.C. Sastry Professor	1. Optimal Design of Heat Exchanger Network(HEN) for the Ethyl Benzene Plant using Aspen-HX Net	Indian Chemical Engineering Congress-2009, Visakhapatnam	December 2009	-
		2. Tuning of Fuzzy Logic Controllers with Genetic Algorithm for the Control of pH in a Neutralization Tank	Indian Chemical Engineering Congress-2009, Visakhapatnam	December 2009	
		3. Transshipment Model Approach for the Solution of an MILP Heat Exchanger Network(HEN) Problem	Indian Chemical Engineering Congress-2009, Visakhapatnam	December 2009	
2	Dr.Y. Pydi Setty Professor	A Study on Denitrification in a Fluidized Bed Bioreactor.	XIII International Conference held at Gyeong-Ju, South Korea	16.5.10	20.5.10.
COMPUTER SCIENCE AND ENGINEERING DEPARTMENT:					
1	Prof DVLN Somayajulu, Sri S Ravichandra, Asst Professor	Intl Conference on Software Engineering (Conseg09)	Chennai	17.12.09	19.12.09
2	Prof. DVLN Somayajulu	Workshop on Virtual labs	IIT, Kharagpur	4.03.10	4.03.10
3	Prof. DVLN Somayajulu,	Workshop on Establishment of Nation wide Virtual Technical university	IIT, Kanpur	30.3.10	30.10.10
4	Dr. S.G.Sanjeevi Asso. Professor	International Conference and Workshop on Emerging Trends in Technology	Mumbai	26.2.10	27.2.10
6	Chapram Sudhakar, Lecturer (Sel. Gr)	Workshop on Performance Enhancement on Multicore Processors & GPUs (PEMG-2010)	CDAC-Bangalore	21.06.10	24.06.10
7	B.Raju, Asst.Prof	International Conference on Computer Electrical and System Science and Engineering	Paris, France	28.6.10	30.6.10
8	Dr. R. Padmavathy, Asst.Prof	International Conference on Business Administration and Information Processing	Trivandrum Kerala	26.3.10	27.3.10

BIOTECHNOLOGY DEPARTMENT:					
1	Dr.P.Sreenivasa Rao Head I/c	National Conference on Biotechnology Perspectives	SNIST, Hyderabad	1.7.09	2.7.09
		National Seminar on Biotechnology in Life Sciences,Current trends and Developments	Kakatiya Government Degree&P.G. College	18.7.09	19.7.09
2	K.Narasimhulu Asst.Prof.	National Conference on Biotechnology Perspectives	SNIST, Hyderabad	1.7.09	2.7.09
		National Seminar on Biotechnology in Life Sciences,Current trends and Developments	Kakatiya Government Degree&P.G. College	18.7.09	19.7.09
SCHOOL OF MANAGEMENT:					
1	Dr M Ravinder Reddy Associate Professor	1. APEA XXVIII Conference Ports and Clusters for Development of AP.	Guntur	13 .3.10	14.3.10
		2. The Indian Economic Association, Inputs For Union Budget- 2010, National Competitiveness	Orissa	27.12.09	29.12.09
2	Dr. Ritanjali Majhi Assistant Professor	1. Retail Sales forecasting using differentialevolution", IEEEInternationalConference on Bio- Inspired ComputingandApplicatin (BICA09)	Bhubaneswar	21.12.09	22.12.09
		2. Efficient sales forecasting using ARMA-PSO model", IEEEInternational Conference on Nature and Bio- Inspired Computing Application (BICA 09),	Bhubaneswar	21.12.09	22.12.09
	Dr. Ritanjali Majhi Assistant Professor	3. "Classification ofConsumer Behavior using Functional LinkArtificialNeuralNetwork", IEEE International Conference on Advances in Computer Engineering (ACE-2010),	Bangalore	21.6.10	22.6.10

		4. "Comparative Performance Study of Multi objective Algorithms for Financial PortfolioDesignInternatiol JointConferenceonInfon andCommunicationTechn ology(IJcICT-2010),	Bhubanes war	9.1.10	10.1.10
CHEMISTRY DEPARTMENT:					
1.	B.V.Appa Rao, Professor	1. Invited lecture by Proc. National conference on corrosion assessment and its control, Electrochemical and surfaceanalytical techniques in research studies on corrosion protection of copper by self assembled monolayers of organic molecules	Madurai, India.	21.12.09	22.12.09
2.	A. Ramachandraiah Professor	1. Synthesis and Characterization of a Novel Series of Homo and Hetero Aryl Bridged Binuclear and Tetranuclear Cu (II) and Zn (II) Complexes National Seminar on "Analytical and Synthetic Strategies in Chemistry	Dr.L.Bullay a P.G. College	18.2.10	19.2.10
		2."Spectrophotometric Studies of Charge transfer Complexes of Chloranilic acid with Drugs" International Conference on "Emerging Trends in Chemistry"	IPA-61	5.1.10	7.1.10
		3."Supramoleculer Encapsulation of Organic and Heavy Metal Pollutants by a Novel Series Of Quadridentate Cavitands Ligands" National Seminar on "Recent Trends on Green Chemistry and Sustainable Development"	Kakitiya University, Warangal	29.3.10	30.3.10

	A. Ramachandraiah Professor	4. "Spectral Electrochemical and Molecular modeling Studies of a new class of Supramolecular Cavitands as Ion-Transport and Drug Delivery Systems" State Level Seminar on "Applications and Impacts of chemicals in day to day life in Particular to Pharmaceuticals and Agriculture"	S.V.R.K. Govt.Degree College, Nidadavole	17.7.09	18.7.09
3	I.A.K. Reddy, Professor	Synthesis, characterization and catalytic properties of a novel mesoporous Ti – nanohollow silica from Tetrapropylammonium bromide surfactant. International Conference on Recent trends in Nanomaterials and Biosciences (ICORTNBS-2010),	PG college of Science, Saifabad, Osmania University, Hyderabad, A.P., India,	24.2.10.	26.2.10.
4.	P.Nageswara Rao, Professor	1. Investigation and Optimization of the Use of Spectrophotometry for Assay of abeprazole Sodium with insitu Bromine and Two dyes as Reagents, Presented at "12th CRSI National symposium in Chemistry",	IICT, Hyderabad	4.2.10	7.2.10
		2. Spectrophotometric Studies of Drugs with Chloranilic Acid, Presented at "An International Conference on Emerging Trends in Chemistry",	University of Pune	5.1.10	7.1.10
		3. Spectrophotometric Studies of Sumatriptan succinate in pharmaceutical formulations by charge transfer complexation, presented at "New Vistas in Chemistry During 21st Century",	Pingale Govt College for Women,	11.9.09	12.9.09

	P.Nageswara Rao, Professor	4. Invited Lecture on Modern column Chromatography for monitoring organics pollutants at National Seminar (UGC Sponsored) on Environmental Polutants and the Remedial Methods for their Contral	Dharma Apparao PG College, Nuzvid, AP	9.2.10	--
5.	B. Rajitha Associate Professor	1. CIMAP symposium on Future Trends in Medicinal and Aromatic plants Technologies and Strategies	IICT, Hyderabad	17.11.09	--
		2. International Conference on "Chemical Biology For Discovery, Perspectives and Challenges"	Central Drug Research Institute, Lucknow,.	15.1.10.	18.1.10
6.	Dr. K. V. Gobi Assistant Professor	1. Delivered a lecture at AICTE sponsored SDP program on 'Recent Developments and Future Trends of Nanotech-nology in Modern Science'	National Institute of Technology , Surat.	25.12.09	26.12.09
		2. Presented a paper titled 'Electron Transfer Characte-ristics of Redox Activated Enzymes and Application for Superoxide Dismutase (SOD) Sensing	Gandhigra m Rural Institute, Dindigul, Tamilnadu	25.2.10	26.2.10
7.	Dr. Vishnu Shanker Assistant Professor	1. Delivered an invited lecturer (Topic: Nanoparticles: Doping effect) in International Conference on "Recent Trends in Nano & Bio-Sciences" (ICORTNBS-2010)	Golkunda Hotel, Hyderabad organized by Osmania University, Hyderabad	24.2.10	26.2.10
		2. Delivered an invited lecturer (Topic: "Bottom-up Approach for the Synthesis of Nanoparticles) in AICTE sponsored Staff Development Programme (SDP) on 'Recent Development and Future Trends of Nanotechnology in Modern Science'	National Institute of Technology , Surat.	24.12.09.	---

	Dr. Vishnu Shanker Assistant Professor	3. Presented a research paper titled "First report of nanocrystalline $NaNbO_3$ and $NaTaO_3$" in the 6th National Symposium and Conference on Solid State chemistry and Allied Areas	Vellore Institute of Technology , Vellore	19.11.09	21.11.09
8.	N. Venkatathri, Asst. Professor	1. Oral Presentation on Synthesis, characterization and its applications of a mesoporous hollow silica, nanocuboids. NM3: Mesoporous silica as molecular sieves.	14th Internation al clay conference , Italy	14.6.09.	20.6.09
		2. Synthesis and characterization of a novel class of molecular sieves namely Organophosphate. 14th National symposium on solid state chemistry and allied areas,	Vellore Institute of Technology University, Vellore, Tamil Nadu, India,	26.11.09	28.11.09
		3. Synthesis, characterization and catalytic properties of Mn-MCM-41 molecular sieve. ***National workshop on catalysis***, Department of Chemical Sciences,	Tezpur University, Tezpur 784028, Assam	21.12.09	23.12.09
		4. Synthesis, characterization and catalytic properties of a novel mesoporous Ti – nanohollow silica from Tetrapropylammonium bromide surfactant. International Conference on Recent trends in Nanomaterials and BioChemistry,	Osmania university, Hyderabad, A.P., India,	24.2.10	26.2.10
		5. Synthesis, characterization and applications of Hollow nano silica. National Seminar on Materials Chemistry and catalysis (MCC-II),	North Orissa University, Baripada Orissa, India,	3.4.10	4.4. 10.

PHYSICS DEPARTMENT:					
1.	Prof. K.S. Narayana, Professor	Proceedings of National Conference "Sapphire fiber Bragg gratins Sensor for high temperature measurements" in Current Trends in Physics, PP-6,	CSIO, Chandigarh , India	11.9.09	12.9.09
2.	Prof. S.V.S. Ramana Reddy Professor	" Characterization of irradiated carboxymethyl starch by spectroscopic and thermal techniques"; P.141 of Proceedings of 3rd National Symposium for Materials Research Scholars, 2010 (MR10) organized by Department of Metallurgical Engineering and Material Science	IIT, Bombay	07.5.10	08.5.10
3.	Dr. M.Sai Shankar Associate Professor	1) Proceedings of National Conference "Sapphire fiber Bragg gratins Sensor for high temperature measurements" in Current Trends in Physics, PP-6 2) International Conference on Optics & Photonics (ICOP-2009) "Fast detection of Humidity with an Etched Fiber Sensor".	CSIO, Chandigarh , India	11.9.09 31.9.09	12.9.09 2.10.09
4.	Dr. B.Sobha Associate Professor STTP	MHRD sponsored STTP "Hands on experience of virtual instrumentation applications in science and Technology".	NITW	7.12.09	13.12.09
5.	Dr. T. Venkatappa Rao Assistant Professor	" Characterization of irradiated carboxymethyl starch by spectroscopic and thermal techniques"; P.141 of Proceedings of 3rd National Symposium for Materials Research Scholars, 2010 (MR10) organized by Department of Metallurgical Engineering and Material Science	IIT, Bombay	07.5.10	08.5.10

MATHEMATICS DEPARTMENT:					
1	N.Srinivasacaryulu	XVIII CONGRESS OF APSMS "Computational method to solve steady-state convection-diffusion problem	Visakhapatnam	9.12.09	12.12.09
		National meet of Research scholars at IIT, ROORKEE "Numerical solution of one-dimensional wave equation due to impact of two objects	Roorkee	19.12.09	23.12.09
2	Dr.K.N.S.Kasi Viswanadham, Associate Prof.	54th Congress of ISTAM	NSIT, New Delhi	18.12.09	21.12.09
3	Dr D. Dutta Associate Professor	Int Conf on Optimization and its applications	BHU - VARANASI	16.2.10	18.2.10
4	D. Srinivasacharya Asso. Professor	54th congress of ISTAM	NSIT, Delhi	18.12.09	21.12.09
5	J.Pranitha Asst. Professor	54th congress of ISTAM	NSIT, Delhi	18.12.09	21.12.09
6	Dr. R. S. Selvaraj Assistant Professor	Paper presented by my student Mr. Jejaw Demamu at "Eighteenth International Conference on Interdisciplinary Mathematical and Statistical Techniques – IMST 2009 FIM XVIII "	JUIT, HP	2.8.09	4.8.09
BIOTECHNOLOGY DEPARTMENT:					
1	Dr.P.Sreenivasa Rao Head I/c	National Conference on Biotechnology Perspectives	SNIST, Hyderabad	1.7.09	2.7.09
		National Seminar on Biotechnology in Life Sciences,Current trends and Developments	Kakatiya Governme nt Degree&P. G. College	18.7.09	19.7.09
2	K.Narasimhulu Asst.Prof.	National Conference on Biotechnology Perspectives	SNIST, Hyderabad	1.7.09	2.7.09
		National Seminar on Biotechnology in Life Sciences,Current trends and Developments	Kakatiya Governme nt Degree&P. G. College	18.7.09	19.7.09

4. RESEARCH PUBLICATIONS:

S. No.	Name of the Staff Member and Designation	Title of the paper	Name of journal in which published	Month & year of publication
CIVIL ENGINEERING DEPARTMENT:				
1.	Prof. P.Anand Raj	Multi Objective Multi Reservoir Operation in Fuzzy Environment	Journal of Water Resources managment	December 2009
		Differential Evolution Algorithm with application to Optimal Operation in Fuzzy Environment	Journal of Water Resource and protection	June 2010
2	Dr. P. Hari Prasad Reddy	Fly Ash to Control Alkali Induced Volume Changes in Soils	Ground Improvement	December 2009
		Potassium Chloride Treatment to Control Alkali Induced Heave in Black Cotton Soil	Geotechnical and Geological Engineering	January 2010
		Effect of Alkali Solution on Swell Behavior of Soils with Different Mineralogy	Geotechnical Special Publication, ASCE	February 2010
3	V.Ramanamurthy	Cement modified Back fills for Mechanically Stabilized Earth walls with Built in Facing	Journal of Materials in civil Engineering ASCE Volume 21, No.7, pp 343-348	July, 2009
4	M.Heeralal P.Rathish Kumar Y.V. Rao	Flexural Fatigue Characteristics of steel Fiber Reinforced Recycled Aggregate Concrete(SFRRAC)	FACTA universities (Int. Journal) vol.7,No.1,pp19-33	Nov,2009
5	M.Heeralal P.Rathish Kumar, Y.V. Rao	Strength and Performance Aspects of Recycled Aggregate for use in Rigid Pavements	Jl. Of Environmental Research and Development Vol. 4,No.2,pp 449-464	Dec, 2009
6	K.Venkata Reddy	A diffusion wave based integrated FEM-GIS model for run-off simulation of small watersheds	Jl. of water Resources and protection Vol.1,pp 391-399	Dec, 2009
7	Gunneswara Rao and Rama Seshu D	'Effect of Steel fibers on the behaviour of over reinforced beams subjected to torsion',	Int Jl of Civil Engineering dimension (ISSN 1410-9530 print/ ISSN 1979-570X online), V 12, No.1, pp.44-51	March 2010

8	Raviprasad and Seshu.D.R	'Investigation of Vibration Characteristics of Reinforced concrete beams due to induced damage',	Int.Jl of Earth Sciences & Engineering, V.03, No.03 (Spl.pp.386-395)	May 2010,
9	Gunneswara Rao T.D	Fracture Parameters Of High Strength Concrete– Mode II Testing",	Magazine of Concrete Research, Volume 62, Issue 3, pp. 157–162 -	March 2010,
10	Gunneswara Rao T.D	"Size Effect In Torsional Failure Of Normal Strength And High Strength Concrete Beams"	Journal of Structural Engg., SERC, India, vol. 37, No.3, pp 216-221.	August – September 2010,
11	Gunneswara Rao T.D	"Effect Of Steel Fibers On The Behavior Of Over-Reinforced Beams Subjected To Pure Torsion"	International Journal of Civil Engineering Dimension, Civil Engineering Dimension, Vol. 12, No. 1, 44-51	March 2010,
12	P.Rathish Kumar etal,	"Development of analytical stress-strain model for glass fiber reinforced self compacting concrete	" Vol 4, No.1, 2009 pp 25-37, ISSN 0973-1881, International Journal of Mechanics and Solids, Research India Publications.	2009
		"Strength and Performance of Recycled agrgegate for use in Rigid Pavements",	Vol.4, No.2, International Journal of Environmental Research and Development, ISSN : PARIS ISSN 0973-6921.	Oct-Dec 2009,
		,"Resistance of standard grade Self Compacting Concrete and Normal Concrete to Acid Attack	", Vol 4, No 12, 2009 pp 2459-2468, International Journal of Applied Engineering Research, Research India Publications, ISSN 0973-4562.	2009
		,"Effect of size of agrgegates and fines on standard and high strength Self Compacting Concrete"	Journal of Applied Science Research(JASR), INSI Net Publications, pp 433-442,	May 2010.
		"High Perfromance Superplasticized Silica Fume Mortars for Ferrocement Works"	International Journal of Facta Universatis, Series Architecture and Engineering ISSN 0354–4605, Vol 8 No.2, 2010, pp 129-134.	2010
		"A study on the influence of curing on the strength of a standard grade concrete mix"	International Journal of Facta Universatis, Series Architecture and Engineering ISSN 0354–4605, Vol 8 No.1, 2010 pp 23-34.	2010

13	P.Rathish Kumar and C.B.K.Rao,	"Strength of High Performance Ferrocement Composite under Biaxial Compression-Compression"	International Journal of Theoretical and Aplied Mechanics, Vol.4, No.2, 2009 pp 135-145, ISSN 0973-6085, Published by Research India Publications.	2009
14	P.Rathish Kumar and C.B.K.Rao,	"Strength of High Performance Ferrocement Composite in Biaxial Compression-Tension"	International Journal of Cement Wapno Beton, Vol.2, MARZEC-KWIECIEN 2010 pp 86-96 ISSN-1425-8129.	2010
15	P.Rathish Kumar	"Damage Identification in a lightly reinforced Concrete Beam based on changes in Power Spectral Density"	International Journal of Structure and Infrastructure Engineering- Taylor and Francis, DOI: 10.1080/15732471003730674, Published online	25th April 2010.
16	Dr. C.S.R.K. Prasad, Professor	Evaluation of rutting potential for crumb rubber modified bitumen in asphaltic mixes	Emirates Journal for Engineering Research	December 2009
		Pavement evaluation for low volume roads	Civil Engineering and Construction Review	March 2010
17	Dr. C.S.R.K. Prasad, Professor and Mr. D.S.N.V. Amar Kumar, Assistant Professor	Prediction of rural road pavement performance using DCP	International Journal of Civil Engineering	June 2010
ELECTRICAL ENGINEERING DEPARTMENT:				
1	Prof. M. Sydulu, & Dr.N.Subrahmanyam	"Secant method with PSO for economic dispatch with valvepring loading"	International conference, IEEE power Engineering society (PES) Meeting-09, Calgary, Alberta, Canada, pp1-8	26-30 July, 2009
2	Prof. M. Sydulu & T. Adhinarayanan	An effective non-iterative /\-logic based algorithm for economic dispatch of generators with cubic fuel cost function	International journal of Electric Power & Energy Systems vol.32, No.5, June, 2010 p.p. 539-542	June, 2010
3	Dr. DVSS Siva Sarma	"S-Transform Based Hybrid Active Filter for Current Harmonic Mitigation"	Electric Power Components and Systems Journal, Taylor & Francis Group,	Vol. 37, issue 12, Dec. 2009, pp. 1305-1320.

4	Dr.M.Sailaja Kumari, Prof. M. Sydulu	Congession management in Deregulated ps by FACTS controllers using multi-objective GA	Journal of Electrical Engg. & Technology	December, 2009.
5	Dr. N.Subrahmanyam	Unit Commitment by improved pre-pared power demand table and Muller method.	Electrical power & Energy systems ELSEVIER	June 2010
6	Ch Venkaiah, D M Vinod Kumar, K Murali	Dynamic ATC Computation for Real-Time Power Markets	Journal of Electrical Engineering & Technology	June, 2010
7	Ch Venkaiah, D M Vinod Kumar,	Static Security based Available Transfer Capability using Adaptive Neuro Fuzzy Inference System	International Journal of Power and Energy System	July, 2010
MECHANICAL ENGINEERING DEPARTMENT:				
1.	V. Suresh Babu	Unbalance Identification (A Modet Based Approach)	Vetomac Int., conference	13th - 15thDecember, 2010
2.	R. Narasimha Rao	1. Dry sliding wear. 2. Behavior high strength AL-alloy. 3. Effect HT on sliding wear.Behavior high strength AL-alloy. 4. Wear coefficient reliability studies. 5. Effect of Matrix sliding wear. 6. Behavior high strength AL-alloy. 7. Effect of SIC content... 8. A Mathematical model	Wear Tribology Intl. Material Science& Design Material Science& Design Material Science& Design Materials Design & Application	Vol.267, September 2009, 1688-1699 Vol. 43, 332-339 Vol.31, 3227-3233 Vol.31, 1200-1207 In press In press
3.	N. Selvaraj	1.Comparative Analysis of GKCS&EKCS	Intl. Journal of Scientific Computing	Vol.3, No.2 July-Dec 2009
		2. Development of HEKCS for improved performance measure of single line machining mfg. system	Intl. Journal of Engg. Mathematics: Theme appln.	Vol.8, March 2010
4.	Y. Ravi Kumar	Parametric Modelling and Simulation of Rapid Prototyping	Intl. Journal of Rapid Manufacturing Inder science Publisher, UK	Augut,2009
5.	G. Amba Prasada Rao	Exptl. Evaluation of engine with LPG & CNG fuels meeting New emission norms.	Journal of Energy, Heat & Mass Transfer	Vol.31 PP:325-336

COMPUTER SCIENCE AND ENGINEERING. DEPARTMENT:				
1.	Prof. T.Ramesh Professor Ch.Sudhakar, Lecturer(Sel. Gr)	An Improved Lazy Release Consistency Model	Journal of Computer Science	November,2009
2	DVLN Somayajulu Professor	Noise Addition Scheme in Decision Tree for Privacy Preserving Data Mining	Journal of Computing Vol2 ,Issue 1, 2010	January, 2010
3	Prof.B.B.Amberker Professor	Key Management Schemes for Secure Communication in Heterogeneous Sensor Networks	International Journal on Network Security	January,2010
		Determining the Efficient Subband Coefficients of Biorthogonal Wavelet for Gray level Image Watermarking	International Journal of Image Processing	May, 2010
		An Efficient Non-Blind Watermarking Scheme for Color Images Using Discrete Wavelet Transformation	International Journal of Computer Applications	May, 2010
		Secure Watermarking Scheme For Color Image Using Intensity Of Pixel And Lsb Substitution	Journal of computing	December, 2009
		Visual Cryptography for Gray-Level Image using Adaptive Order Dither Technique	Journal of Applied Computer Science & Mathematics	2009
		Proxy Re-signature Scheme that translates one type of Signature Scheme to another type of Signature Scheme	International Journal of Recent Trends in Engineering	2009
		Key Management Schemes for Secure Communication in Heterogeneous Sensor Networks	International Journal of Recent Trends in Engineering	2009
		Some Aggregate Forward-Secure Signature Schemes	International Journal of Information Assurance and Security	2009
4	Sri K. Ramesh and Prof T Ramesh	Model Driven Framework for Networked Application Software Generation	Intl. Journal of computing	July 2010

5	Dr.R.Padmavathy, Asst.Professor	A Novel Three Party Password Key Exchange Protocol with Improved Analysis	Journal of Information Processing and Systems	March, 2010
		Ephemeral Key Recovery using Index Calculus Method	Journal of Discrete Mathematical Sciences and Cryptography	February, 2010
		Improved Cryptanalysis on DLP $\gamma = \alpha^a \beta^b$	International Journal on Computer Science and Engineering Systems	November, 2009
		Performance Analysis of Index Calculus Method	Journal of Discrete Mathematical Sciences and Cryptography	2009
ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT:				
1	D. Vakula and N. V. S. N. Sarma	Using Neural Networks for Fault Detection of Planar Antenna Arrays	Progress In Electromagnetic Research letters	2010, Pp 21-30.
2	P. Hari Krishna Prasad	A new pulse shape for baseband binary data transmission	IETE Journal of Education	Vol.50,No. 3, Sept.-Dec.,2009, pp 133-136
3	S.Anuradha and Dr.K.V.V.S.Reddy	Error Probability for MC DS –CDMA system with MRC in correlated and independent Nakagami-m fading channel	International Journal of Advances in Communication Engineering, IJACE Vol1	No 2. July-December 2009, pp81-86..ISSN: 0975-6094
4	S.Anuradha, Dr.K.V.V.S.Reddy	Performance analysis of MC DS –CDMA over Nakagami-m fading channel using diversity techniques	International Journal of electronics and communications engineering, IRPH.	Vol 2,No 1, 2009.pp 7-13 .ISSN: 0974-2166
5	K.V.Sridhar and Prof. KSR Krishna Prasad	Implementation of Modified wavelet based video compression on ADSP Blackfin 533 processor for Medical imaging Applications	ANU Journal of Engineering & Technology	Vol:1,Number :2, pages 52-55,Dec 2009
METALLURGICAL AND MATERIALS ENGG. DEPARTMENT:				
1	Asit Kumar Khanra Asst. Professor	Microstructure and Mechanical Properties of Mg- HAP Composites	Bulletin of Materials Science (Impact Factor : 0.86)	33 (1), 2010, 1-5
		Comparative Property Study on Extruded Mg- HAP and ZM61-HAP Composites	Materials Science & Engg. A (Impact Factor : 1.8)	Doi:10.1016/j.msea. 2010.06.03.

2	C. Vanitha	Multi-Pass Warm/Hot Rolling of Single-Phase Zircaloy 2: Developments in Crystallographic Texture and in Lattice Strain	Material Science and Technology	Vol. 25, No. 3, 2009 , pp. 335-344
CHEMICAL ENGINEERING DEPARTMENT:				
1	Dr. A. Venu Vinod Associate Prof., Prof. G.V Reddy	Stability and Dynamic Behavior of a Fluidized Bed Bioreactor Treating Phenolic Effluent	Indian Chemical Engineer	2009
		Simulation of Biodegradation Process in a Fluidized Bed Bioreactor using Genetic Algorithm Trained Feedforward Neural Network	Biochemical Engineering Journal	2009
		Studies on Gas Holdup in a Draft Tube Fluidized-Bed Bioreactor	Indian Chemical Engineer	2010
2	Dr. A. Venu Vinod Associate Professor	CFD simulation of wall effects in flow past a square cylinder in a stationary and moving plane channel	Chemical Product and Process Modeling	2010
3	Prof. Y. Pydisetty	A Study on denitrification in a fluidized bed bioreactor	"Fluidization-XIII: New paradigm in Fluidization Engineering" published by Engineering Conferences International, New York (ISBN: 978-0-918902-57-3)	2010
4	K. Anand Kishore, Prof. G.Venkat Reddy	Optimization of Citric Acid Production Process Variables using Genetic Algorithms'	Proceedings of Indian Chemical Engineering Congress-2009	2009
5	S.Srinath, Prof.G.Venkat Reddy	Combustion of agro fuels in a fluidized bed combustor	Proceedings of Indian Chemical Engineering Congress-2009	2009
6	S.Srinath and Prof. G.Venkat Reddy	Combustion of Biomass Fuels in a pilot Scale Fluidized Bed Combustor	Proceedings of International Conference on New Frontiers in Biofuels held at DTU New Delhi.	Jan 18-19,2010

MATHEMATICS DEPARTMENT:				
1	Y.N. Reddy, Professor	An Exponentially Fitted Higher Order for Solving Singular Perturbation Problems,	International Journal of Applied Mathematical Analysis and Applications,	Vol: 3 No.2 pp 285-304(2009)
		Fitted Second Order Average Modified Upwind Method for Solving Singular Perturbation Problems	International Journal of Scientific Computing,	Vol : 2:No: 2, pp 183-196 (2009).
		A Fifth Order Compact Difference Method for Singularly Perturbed Singular Boundary Value Problems	International Journal of Computer Mathematics,	May 2010
		Method of Reduction for Singularly Perturbed Boundary Value Problems with mixed boundary conditions	Proceedings of International Conference on 'Challenges and Applications of Mathematics in Science and Technology', @NITR	pp 775 – 784, 2010
2	N.Srinivasacharyulu& Associate Professor	Numerical solution of one-dimentional contact problem	Int,e journal of Mathematics and Engineering ,Vol-1,2010 page104-114	March,2010
3	Dr.K.N.S.Kasi Viswanadham, Associate Professor	Quintic B-spline Collocation method for fourth order boundary value problems	Proceedings of 54th Congress of ISTAM, 2009, p.235-243	December, 2009
		Galerkin method for coupled system of boundary value problems with cubic B-splines	International Journal of Mathematical Sciences & Engineering Applications, Vol.3 (2009), p.101-113	December, 2009
		Quintic B-splines Galerkin method for fifth order boundary value problems	ARPN journal of Engineering and Applications" Vol.5 No.2, p.74-77	February, 2010
4	J.V.Ramana Murthy, Associate Professor	Flow of a couple stress fluid generated by a circular cylinder subjected to longitudinal and torsional oscillations	Contemporary Engineering Sciences	Vol 2(10), 2010, pp 451 – 461.
		Oscillatory flow of an incompressible micropolar fluid past a permeable sphere	IJAMM	6(7) 2010 , pp 1 – 12.
		Uniform flow of an incompressible micropolar fluid past a permeable sphere;	IEEMS	8, 2010, pp 1 – 10

5.	Srinivasacharya, D Associate Professor	Hydromagnetic effects on the flow of a micropolar fluid in a diverging channel	Z. Angew. Math. Mech.(ZAMM	Vol. 89, 2009
		Effects of Wall Properties On Peristaltic Transport Of A Dusty Fluid"	Turk. J. Engg. & Env. Sci.,	Vol. 32 (2009)
		MHD flow of a micropolar fluid in a circular pipe with hall effects	ANZIAM Journal	Vol 51, (2009)
		MHD and thermal dispersion effects on radiation and mixed convection heat flow in a non-darcy porous medium	International J. of Math. Sci. & Engg. Appls	Vol. 4, (2010)
6	Dr. D. Dutta Asso prof	Multi choice goal. a fuzzy transportation problem	Int J of Research and Reviews in Applied Sciences	Feb, 2010 Vol 2, No 2
7	Pranitha. J Assistant Professor	MHD and thermal dispersion effects on radiation and mixed convection heat flow in a non-darcy porous medium	International J. of Math. Sci. & Engg. Appls. (IJMSEA)	Vol. 4 No. I,March, 2010, pp. 295-308
8	Dr. R. S. Selvaraj, Assistant Professor	Multi-covering Radius for Rank Metric Codes	The Electronic Journal of Combinatorics [IF: 0.586(2008)]	Vol. 16, # R147, Dec. 2009
9	H.P. Rani, Assistant Professor	A numerical study of the Dufour and Soret Effects on unsteady natural convection flow past an isothermal vertical cylinder	Korean Journal of Chemical Engineering	Vol. 26(4), pp.946-954, 2009
PHYSICS DEPARTMENT:				
1	Prof. K.S.Narayana Professor Dr. M.Sai Shankar Associate Professor Dr. R.L.N Sai Prasad Associate Professor	" Thermal stability of fiber Bragg gratings in different fibers"	Opto Electronics and Advanced Meaterials-Rapid Communication, Vol.3(12),2009,pp 1280-1284	December, 2009
		" A novel method for high temperature measurements using fiber Bragg gratings"	Optical Applicata, Vol.40(3),2010)	March, 2010
		" Teflon-coated fiber Bragg grating sensor for high temperature measurements "	Journal of Opto Electronics and Advanced Meaterials. (Communicated)	-
		"A low cost fiber optic refractive index sensor "	" Opto Electronics and Advanced Meaterials-Rapid Communication, Vol.4(1),2010,pp 128-131	January, 2010

2	Prof. L.R.G.Reddy	International Journal of Medical Engineering and Informatics	"Quantification of hypnosis index by fractal analysis of brain electric activity"	
3	Dr. T. Venkatappa Rao Assistant Professor	" ESR and FTIR study of Gamma Irradiated Poly (Ethylene Glycol)"	Int. J. Chem. Sci. :Vol. 7(4); pp 2434-2440.	November 2009
		"On the temperature dependent ESR spectra of irradiated Nylon homopolymer"	Int. J. Chem. Sci.: 8(1), 2010, pp 261-268.	January, 2010
		"DSC, ESR AND IR spectral studies on Li_2O-WO_3 -B_2O_3 glass system doped with Vanadium Ions",	Functional Materials Letters; Vol.2; No.3; pp 1-4.	August, 2009
		"Optical absorption and Fluorescence characteristics of Pr_{3+}:Li_2O-MO(Nb_2O_5, MoO_3 and WO_3)-B_2O_3 glass systems	IOP series-Material Science and Engineering; Vol.2, 012025.	September, 2009
4	Dr. P. Abdul Azeem Assistant Professor	Luminescent properties of Tb^{3+} doped lead borate glasses	Spectrochimica Acta Part A (Communicated)	-
		Spectral analysis of Eu^{3+}:B_2O_3–Al_2O_3–MF_2 (*M*= Zn, Ca, Pb) glasses	Journal of Alloys and Compounds 474(2009)536	2009
CHEMISTRY DEPARTMENT:				
1.	B.V.Appa Rao Professor	1.'Electrochemical and surface analytical studies of the self assembled monolayer of 5-methoxy- 2-(octadecylthio) enzimidazole in corrosion protection of copper	Electrochim.Acta	55(2010) 620-631.
		2. 'Removal of Cu(II) from aqueous solutions using chemically modified chitosan,	J. Hazardous Materials	175(2010) 939-948.
		3. "Tungstate as a synergist to phosphonate- based zormulation for corrosion of carbon steel in nearly neutral aqueous environment"	J.Chemical science,	122(2010)639-649.

	B.V.Appa Rao Professor	4. 'Electrochemical and surface analytical studies of synergistic effect of phosphonate, Zn2+ and ascorbate in corrosion control of carbon steel',	Materials and corrosion,	60 (2009) No.9999.pp 1-17.
		5. 'Self-assembled monolayer of (2-octadecylthio)benzothiazole for corrosion protection of copper',	Corrosion Science,	51(2009) 1441-1452.
		6. "Corrosion protection of copper by self-assembled monolayers",	Indian Journal of Chemical Technology,	16 (2009) 25-31.
		7. Green inhibitor Formulations containing ascorbic acid for corrosion control of carbon steel.	Proc.Eurocorr. Nice, France 2009	September 6-10, 2009,
		8. Corrosion prevention of copper by self assembled monolayer of 4-amino-3-(octadecylthio) -6-methyl-1,2,4-triazinone	Proc.Eurocorr. Nice, France 2009	September 6-10, 2009,
		9. "Corrosion inhibition of 90/10 Cu-Ni alloy in sea water and sulfide-polluted sea water by benzotriazole"	Proc.Materials Research Scholars Symposium-2009 ",IIT	7- 9, May 2009.
		10. Electrochemical and surface analytical studies of corrosion inhibition of carbon steel by phosphonate-Zn2+-lactobionic acid system	Proc.Materials Research Scholars Symposium-2009 ",IIT	7- 9, May 2009.
		11. Self assembled nanofilm in corrosion protection of copper for application in microelectronic packaging.	Proc. Indo-US workshop on Nanotechnolog, applications and implications, IICT.Hyderabad.	10-12 November 2009,

	B.V.Appa Rao Professor	12. Electrochemical impedance studies of Cu-Ni(90/10) alloy rotating disc electrode in synthetic sea water and sulfide-polluted sea water in the absence and presence of 1,2,3-benzotriazole.	Proc. National conference on corrosion assessment and its control, Madurai, India.	21-22 December 2009,
		13. A new eco-friendly ternary inhibitor formulation based on phosphonate for corrosion inhibition of carbon steel.	Proc. National conference on corrosion assessment and its control, Madurai, India.	21-22 December 2009,
2	. Ramachandraiah A Professor	1.Spectral, Electrochemical and Molecular Modeling Studies of Schiff bases of someHydrazinylthiazo coumarins and 2-acetyl pyridine	E-Journal of Chemistry	2010, 7(2), 583-592
		2. Spectral, Electrochemical Studies of Phenazopyridine	E-Journal of Chemistry	2009, 6(4), 1181-1187
		3. Spectral, Electrochemical and Molecular Modeling Studies of Schiff bases of some Hydrazinylthiazocoumari ns and 2-acetyl pyridine	J. Pharm.Chem	2010; 4(1) 10-16.
		4.Spectral, electrochemical and molecular modeling studies of sulfasalazine	J. Pharm.Chem	2010
3	B. Rajitha Associate Professor	1. Cellulose sulfuric acid: An efficient biodegradable and recyclable solid acid catalyst for the one-pot synthesis of aryl-14H-dibenzo[*a.j*]xanthenes under solvent-free conditions	Journal of Molecular Catalysis A: Chemical	304 (2009) 85–87
		2. Cellulose sulfuric acid: as a mild and efficient catalyst for the one-pot synthesis of 3,4-dihydropyrimidin-2(1H)-ones under Solvent-free conditions	Synth. Commun	39: 1257–1263, 2009
		3. Sulfamic acid Catalyzed One-pot Synthesis of 2, 5-Diaryl-1,3,4- Oxadiazoles Under Microwave Irradiation and Conventional Heating	Journal of Heterocyclic Chem Jhon & Wiley publishers	46, 289, 2009

4	V. Rajeswar Rao Associate Professor	1. Solvent-free synthesis of new heteryl β-ketosulfones.	*J. chemical Research (UK),*	Febreuary, 87-89, 2009.
		2. Facile polyethylene glycol (PEG400) promoted synthesis of some newheteryl(E)-styrylsulfones.	*J. chemical Research* (UK)	237. April, 2009.
		3. A facile one pot synthesis of 3-(2-(arylamino) thiazol-4-yl) coumarins in a three component synthesis and also an efficient, catalyst and solvent free synthesis on grinding.	*J. chemical Research* (UK)	January, 50-53, 2010.
		4. Regioselective Synthesis of thiadiazolo[3,2-a]benzimidazole-5,8-diones	*J. chemical Research* (UK)	November, 679-681, 2009.
		5. Synthesis of 2-alkyl/arylalkyl/phenacylsulfanyl-1-thia-3,3a,10-triaza-pentaleno[1,2-b]naphthalene-4,9-dione.	*Indian Journal of chemistry,*	vol. 49B, January, 2010,
		6. A highly regioselective synthesis of 8-hydroxy-3-sulfanyl-7-undecyl-5H-[1,2,4]triazolo[3,4-b][1,3,4]benzothiaziazol-6,9-dione and its derivatives.	*J. chemical Research* (UK)	February, 80-82, 2010.
		7. An efficient stereo selective synthesis benzyl, (benzimidazol-2-yl) methyl and (6H-imidazo[4,5-e][2,1,3]benzothiadiazole-7-yl)methyl styryl sulfones.	*J. chemical Research* (UK)	February, 83-85, 2010.
		8. Stereoselective Synthesis of Substituted 2-(Z-styrylsulfones)-1H-imidazoles and benzothiazoles.	Synthetic Comunication,	2010, 40, 808-813,
		9. Synthesis of a New Class of Sulfone-Linked 3-([1,2,3]-Thiadazol-4-yl)-chromen-2-ones.	Phosphorus, Sulfur, and Silicon and the Related Elements,	2010, 185, 361 – 367,
		10. Zinc chloride-catalyzed one pot synthesis of 3-[2-(3-methyl-4,5-dihydro-furo[2,3-*c*] pyrazol-1-yl) thi azol-4-yl]-chromen-2-ones *via* a three component reaction.	Indian J Chem.,	2010, 49B, 836-839.

5.	Dr. Vishnu Shanker, Assistant Professor	Synthesis, characterization and dielectric properties of nμ-composites of $BaTiO_3$,	World journal of Engineering	(in press)
6.	Dr. Venkatathri Narayanan	1. Mn-MCM-41 molecular sieves: A gas phase cyclohexanol oxidation catalyst.	Reaction Kinetics, Mechanism and Catalysis Letters,	99 (2010) 439
		2. Synthesis of a novel class of molecular sieves namely Organophosphate.	J. Ind. Chem. Soc.,	87 (2010) 289.
		3. Synthesis and characterization of a mesoporous silica microsphere from polystyrene.	Mat. Chem. Phys.,	113 (2009) 933.
		4. "Synthesis and characterization of a novel titanium aluminophosphate hollow nanosphere"	Materials Science and Engineering : C	29 (2009) 242
		5. Influence of catalyst and solvent on synthesis of solid core mesoporous silica.	Mat. Res. Bull.	44 (2009) 1317.
		6. Synthesis and characterization of a novel mesoporous manganese containing organophosphate molecular sieve.	Mat. Res	12 (2009) 411
		7. Silica Nano hollow cuboids: A novel method of fabrication and guest encapsulation.	Bull. Catal. Soc. India	8 (2009) 85
BIOTECHNOLOGY DEPARTMENT:				
1	Dr. P. Sreenivasa Rao, Asst. Prof.	1. Bioconversion of arteannuin B to artemisinin by using actinomycete spp	International Journal of Atti della Fondazione Giorgio, Ronchi	July,2009
		2. Study of 6-Benzol amino purine effect on tissue cultured *Stevia rebaudiana* Bertoni	International Journal of Atti della Fondazione Giorgio, Ronchi,	July,2009
		3. Studies on Removal of Toxic Metals From Waste Water using Pseudomonas sp.	International APPN journal of Engineering and Applied Sciences	September,2009
		4. Estrogen mediated protection of oxidative stress induced lens epithelial cell apoptosis	International Journal of Biotechnology and Biochemistry	October, 2009
		5. Cloning and expression of the gene involved in enhanced production of artemisinin, an effective anti-malarial drug by bioconversion	Journal of Biotechnology	March, 2010
		6. Isolation and Identifi cation of Bacterial Strains and Study of their Resistance to Heavy Metals and Antibiotics	Journal of Microbial & Biochemical Technology	June,2010

2	K.Narasimhulu Asst.professor	1. Studies on removal of toxic metals from wastewater using pseudomonas species	ARPN Journal of Engineering and Applied Sciences(International research Open access journal)	September, 2009
		2. Study of 6-Benzol amino purine effect on tissue cultured Stevia rebaudiana Bertoni	Atti della Fondazione Giorgio Ronchi(International)	October, 2009
		3. Study of Lead adsorption characteristics using biogenic manganese oxide	Atti della Fondazione Giorgio Ronchi(International)	January,2010
		4. Isolation and Identification of Bacterial Strains and Study of their Resistance to Heavy Metals and Antibiotics	Journal of Microbial & Biochemical Technology (Open Access)	June,2010
SCHOOL OF MANAGEMENT:				
1	Dr.Ritanjali Majhi, Asst. Prof.	1. Managing manpower During Recession: A Recession Restructuring Model.	Vol.5 NO. 1 & 2, KUJOSS	Jan –Jun and Jul- Dec 2009
		2. EfficientPrediction ofStockMarketIndices usingAdaptiveBacterial Foraging Optimization (ABFO)andBFOTechniques",	vol.36,issue 6, pp.10097-10104 Expert Systems withApplications, Elsevier	August 2009.
		3. "Multiobjective Evolutionary Algorithms for Financial Portfolio Design",	AcceptedInternation al Journal of Computational Vision and Robotics, Inderscience Publisher, UK, 2010.	May,2010
		4. "Portfolio Management Assessment by four Multi-objective Optimization Algorithms	Accepted International Journal of Computational Vision and Robotics, Inderscience Publisher, 2010	June,2010

ANY OTHER SIGNIFICANT INFORMATION

CIVIL ENGINEERING DEPARTMENT:

1. Prof. P.Anand Raj has been nominated as Admission Officer for the Academic year 2010 at NIT Warangal.

2. Guest Lectures by Mr. D.S.N.V. Amar Kumar, Assistant Professor:
   a) Fatigue Characteristics in Bituminous Mixes, Pavement Materials, Design and Evaluation (PAVEMADE-09), 3-6 April, IIT Kharagpur.

   b) Recent approach for Bituminous mix modulus estimation, Recent Advances in Pavement Engineering (RAPAVE-10), 26-27 March, 2010, MVSR Engineering College, Hyderabad.

MECHANICAL ENGINEERING DEPARTMENT:

1. Y.Ravikumar, Asst. Professor, Nominated as "Scientific Advisory Committee Member" for 19th International Conference on Flexible Automation and Intelligent Manufacturing (FAIM 2009) at University of Teesside, Middlesbrough, UK

2. One scholar by name Mr. Syed Kaleemuddin's degree (Ph.D) has been awarded [viva held on 01.04.2010].

COMPUTER SCIENCE AND ENGINEERING DEPARTMENT:

1. Mr Mathew, third year under graduate student attended the Intl Conf. on COMPSAC 2010 held at Soul, South Korea during July 2010 and presented a paper entitled "***Privacy Preserving Outlier Detection using the Hierarchical Clustering Methods*** by Ajay Chagalla, Shivaji, Somayajulu DVLN, Mathew, Sourav Thiwara, and Syed Ahmad.
2. Conducted on day workshop on IBM Technology Day on September 12, 2009 to highlight the recent developments of technologies and tools related grid and cloud computing techniques.
3. A paper entitled, "Sentiment classification of text reviews using novel feature selection with reduced over fitting by Sivaram Krishna Reddy, Somayajulu DVLN, and Ajay Dhani was accepted for publication in the International Conference for Internet Technology and Secured Transactions (ICITST-2010) in London, UK.
4. B.B. Amberker, N.R. Sunitha, *Proxy Re-signature Scheme that translates one type of Signature Scheme to another type of Signature Scheme,* International Journal Conference in Recent Trends in Computer Science (IJCRTCS 2009), Academy Publishers, Finland, International Journal of Recent Trends in Engineering, 2009. (Accepted for publication)
5. B.B. Amberker, and A.S. Poornima, *Key Management Schemes for Secure Communication in Heterogeneous Sensor Networks,* International Journal Conference in Recent Trends in Computer Science (IJCRTCS 2009), Academy Publishers, Finland, International Journal of Recent Trends in Engineering, 2009. (Accepted for publication)
6. B.B. Amberker , N.R. Sunitha, *Some Aggregate Forward-Secure Signature Schemes,* International Journal of Information Assurance and Security (JIAS), Vol 3, Issue 4, 2009, pp. .84-90.
7. B.B. Amberker, R. Aparna, *Analysis of Key Management Schemes for Secure Group Communication and Their Classification,* Journal of Computing and Information Technology – CIT 17, 2, pp 203 – 21, 2009.
8. B.B. Amberker, Nagaraj V. Dharwadkar, Joshi Sushil Raj, *Visual Cryptography for Gray-level Image using Adaptive Order Dither Technique,* Journal of Applied Computer Science and Mathematics, Vol. 3, No.6, pp. 60-65, 2009.

9. B.B. Amberker, Nagaraj V. Dharwadkar, Joshi Sushil Raj, *Secure Watermarking Scheme for Color Image using Intensity of Pixel and LSB Substitution*, The Journal of Computing, Vol 1, No.1, pp. 1- 6, December 2009.

10. B.B. Amberker, Nagaraj V. Dharwadkar, Joshi Sushil Raj, *Visual Cryptography for Color Image using Color Error Diffusion,* ICGST International Journal on Graphics, Vision and Image Processing (GVIP), Vol.10, No.1, pp. 1 – 8, 2009.

11. B.B. Amberker, Nagaraj V. Dharwadkar, *Blind Watermarking Scheme for Gray Scale and Colour Images Using Biorthogonal Wavelet,* International Journal of Computer and Internet Security, ISSN 0974-2247, Vol.1, No. 3, pp.83 – 113, Oct 2009.

12. B.B. Amberker, R. Aparna, *Key Management Scheme for Multi-Layer Secure Group Communication,* The First International Conference on COMmunication Systems and NETworkS (COMSNETS), Bangalore, Jan 5 – 10, 2009.

13. B.B. Amberker, N.R. Sunitha, *Forward-Secure Proxy Signature Scheme for Multiple Proxy Signers using DSA with Proxy Revocation,* IEEE International Advance Computing Conference IACC'09, Patiala, India, March 6-7, 2009.

14. B.B. Amberker, and A.S. Poornima, *Protocols for Secure Node-to-Cluster Head Communication in Clustered Wireless Sensor Networks*, International Conference on Contemporary Computing, August 17 – 19, JIIT University, Noida, India, 2009.

15. B.B. Amberker, N.R. Sunitha, *Multi-use Unidirectional Forward-Secure Proxy Re-Signature scheme*, The 3rd International Conference on Information Security and Assurance (ISA 2009), Seoul, Korea, June 25-27, 2009. (communicated) .

16. B.B. Amberker, and A.S. Poornima, *An Energy Efficient Deterministic Key Establishment Scheme for Clustered Wireless Sensor Networks,* 16th annual IEEE International Conference on High Performance Computing (HiPC 2009), December 16 – 19, Kochi, India, 2009.

17. B.B. Amberker, R. Aparna, Divya Pola, Pranjal Bhatia, *Secure Group Communication Using Binomial Trees,* 3rd IEEE International Symposium on Advanced Networks and Telecommunication Systems (ANTS), December 14 – 16, New Delhi, India, 2009.

18. B.B. Amberker, R. Aparna, *Key Management Scheme for Multiple Simultaneous Secure Group Communication,* 3rd International Conference on Internet Multimedia Systems Architecture Application, 2009 (IMSAA - 09), December 9 – 11, Bangalore, India, 2009.

19. B.B. Amberker, N.R. Sunitha, *Multi-use Unidirectional Forward-Secure Proxy Re-signature Scheme,* IEEE Workshop on Collaborative Security Technologies (CoSec 2009), C-located with 3rd International Conference on Internet Multimedia Systems Architecture Application, 2009 (IMSAA - 09), December 9, Bangalore, India, 2009.

20. Aparna R, B.B.Amberker, *A key Management Scheme for Secure Group Communication using Binomial Trees*, International Journal of Network Management, Wiley-Interscience (Accepted)

21. Aparna R, B.B.Amberker, *Efficient Scheme to Handle Bursty Behavior in Secure Group Communication using Binomial Trees*, Security and Communication Networks, John Wiley (Accepted)

22. Nagaraj V. Dharwadkar and B. B. Amberker, *Digital Watermark Tracking using Intelligent Multi-Agents System*, Special Issue , Journal of Applied Computer Science & Mathematics, No.7, pp. 53-56, February, 2010.

23. Nagaraj V. Dharwadkar, B. B. Amberkar, *An Efficient Non-blind Watermarking Scheme for Color Images using Discrete Wavelet Transformation*, International Journal of Computer Applications, Volume 2, Number 3, pp 60-66, May, 2010.

24. Nagaraj V. Dharwadkar, B.B. Amberker, *Watermarking Scheme for Color Images using Wavelet Transform based Texture Properties and Secret Sharing*, International Journal of Signal Processing, Vol. 6, No.2, 2010.

25. Nagaraj V. Dharwadkar, B.B. Amberker, *Determining the Efficient Subband Coefficients of Biorthogonal Wavelet for Gray level Image Watermarking*, International Journal of Image Processing, Vol. 4, No.2, 2010.

26. Nagaraj V. Dharwadkar, B. B. Amberkar, *An Efficient and secured Non-blind Watermarking Scheme for Color Images using DWT and Arnold Transformation*, International Journal of Computing, Volume 9, Issue 2, pp. 183-191, June 2010.

27. Sunitha N.R. and B.B. Amberker, *Proxy Re-signature Scheme that translates one type of Signature Scheme to another type of Signature scheme*, First International Workshop on Trust Management in P2P Systems (IWTMP2PS 2010), July 23 – 25, Chennai, India, 2010

28. Mohammad Ali Kadampur and DVLN Somayajulu, "Noise Addition Scheme in Decision Tree for Privacy Preserving Data Mining", CoRR abs/1001.3504: Journal of Computing Vol2 ,Issue 1, 2010

29. Mohammad Ali Kadampur and DVLN Somayajulu, Privacy Preserving Technique for Euclidean distance based Mining algorithms using Wavelet related transforms, 11th IDEAL 2010 held at Univ of South Westland, Scotland, UK

30. Mohammad Ali Kadampur and DVLN Somayajulu Data Perturbation using Wavelet Transformation Techniques for Privacy Preserving Data Mining, International Journal on Knowledge Engineering and Data Mining (IJKEDM), Vol2 , Issue 1 (accepted), 2010.

31. Mohmmad Ali Kadampur and DVLN Somayajulu, Data perturbation by field rotation, published in 9th Intl. Conf on Intelligent Data Engineering and Automated learning (IDEAL 2008), held at Daejeon, South Korea, November 2008.

32. Mohammad Ali Kadampur, DVLN Somayajulu, Dheeraj and Satyam, Privacy preserving clutering by cluster bulging, presented at ICIAFS, 2008 held at Sri Lanka.

33. RBV Subramanyam, Nair Darshan Balan, A Suresh Rao, DVLN Somayajulu – Profile-based Sequential Patterns in Progressive Databases – Int'l Conf ITFRWP, December, 2009

34. Raju Bhukya and DVLN Somayajulu, An index based forward and backward multiple pattern matching Algorithm, presented at World Academy of Science, engineering and Technology, Vol. 66, pp 347-355, June, 2010.

35. Sucheta V. Kolekar , Sriram G. Sanjeevi , D. S. Bormane., "The Framework of an Adaptive User Interface for E-learning Environment using Artificial Neural Network", Proceedings of 9th International Conference on e-Learning, e-Business, Enterprise Information Systems, and e-Government, July 12-14, 2010, USA.

METALLURGICAL AND MATERIALS ENGG. DEPARTMENT:
Research paper authored by Dr. Asit Kumar Khanra, Asst. Professor entitled "Corrosion Study of Mg-HAP Composites " has been accepted as an oral presentation for ICRACM 2010 (December), U. Limoges, France.

CHEMICAL ENGINEERING DEPARTMENT:
1. Dr. A. Venu Vinod is participating in the Pedagogical Development Programme of MHRD.

2. Dr. R.C. Sastry, Professor delivered expert lecture at National Workshop on Combating Climate Change, organized by AP Pollution Control Board, Vizianagaram Regional Centre on 26th November 2009.

CHEMISTRY DEPARTMENT:
1. Dr. B Rajitha awarded US Patent on Process Development for the synthesis of Bupropion Hydrochloride and Hydroxy Bupropion via Efficient bromination using N-Bromosuccinimide ,U.S,Patent Docket No. PAC 0007,US Provisional Patent Application No. 61/198,802

2. Dr. KV Gobi design a course titled, "Biosensors – Principles and Applications" has been proposed. This course is aimed as "Global Elective" for both B.Tech. and M.Sc. students.

3. Dr. Vishnu Shanker is a Life Membership of Indian Association of Solid State Chemistry and Allied Scientists

4. Dr Venkatathri Narayaanan is a Member of Editorial Board for the Open Catalysis Journal, Bentham publications, Tokyo, Japan (2009 onwards).

5. Electroanalytical analysis of Interaction of Mercury with Dicarboxylic aminoacids N. Venkatathri, Lambert Academic Publishing, Berlin, Germany, 2010 (Price = 49 Euro).

6. Studies on Vanadium Aluminophosphate molecular sieves. N. Venkatathri, Lambert Academic Publishing, Berlin, Germany, 2010 (Price = 98 US $).

7. Synthesis and characterization of Hollow silica microsphere from methyltrimethoxy silane. N. Venkatathri, *Mesoporous Materials : Synthesis, characterization and Applications*, Nova Science Publishers, Inc., 400 Oser Avenue, Suite 1600, Hauppauge, NY 11788, USA (2009) 317 (Prize = 130.50 US $).

8. Chair a Session by N. Venkatathri for session Mesoporous molecular sieves., Micro to Nano porous materials, in 14th International clay conference, Castellineta Marina, Italy, June, 14-20, 2009.

PHYSICS DEPARTMENT:

a) Workshop on "Photonics for Engineering Applications" was conducted during 13-14 March, 2010 Under "NITWSPIE STUDENTCHAPTER" Co-ordinator: Prof. K.Srimannarayana Co-coordinator: Dr. M.Sai Shankar

b)Invited talks delivered by Prof. J. Ramachander Rao, Prof. L. Ram Gopal Reddy, Dr. M.Sai Shankar and Dr. R.L.N. Sai Prasad at Department of Physics Kakatiya University Warangal in Training programme for PG teachers on "Microprocessors, Microcontrollers and Digital Communications" during 22-26 February, 2010.

SCHOOL OF MANAGEMENT:

CURA 2010: The School of Management has organized the National level Management Festival on Feb 5 and 6, 2010.

Book Chapter

1. R. Majhi, G. Panda and B. Majhi, "Efficient Prediction of Retail Sales Using Differential Evolution Based Adaptive Model", Accepted Integration of Swarm Intelligence and Artificial Neural Networks, World Scientific Press, May 2010.

Special session

2. Conducted a special session in "IEEE International Conference on Bio-Inspired computing and Applications (BICA-09), Bhubaneswar on"Biologically inspired algorithms for Marketing and Financial Application" during December 21-22, 2009

4.0 TEACHING PROGRAMMES

4.1. Courses Offered

Undergraduate Courses

B.Tech.

Civil Engineering
Electrical and Electronics Engineering
Mechanical Engineering
Electronics and Communication Engineering
Chemical Engineering
Metallurgical and Materials Engineering
Computer Science and Engineering
Biotechnology

Postgraduate Courses

M.Tech.

Civil Engineering

Engineering Structures
Transportation Engineering
Water Resources Engineering
Geo-Technical Engineering
Remote Sensing & Geographical Information Systems
Environmental Engineering
Construction Technology & Management

Electrical Engineering

Power Electronics and Drives
Power Systems Engineering

Mechanical Engineering

Thermal Engineering
Manufacturing Engineering
Computer Integrated Manufacturing
Product Design and Development
Material Technology
Automobile Engineering

Electronics and Communication Engineering

Electronics Instrumentation

VLSI System Design

Advanced Communication Systems

Metallurgical and Materials Engineering

Industrial Metallurgy

Chemical Engineering

Chemical Engineering
(Computer Aided Process Equipment Design)

Computer Science and Engineering

Computer Science & Engineering

Information Systems

Master of Computer Applications

Centre for Management Studies

Master of Business Administration

M.Sc. Courses

Applied Mathematics

Mathematics and Scientific Computing

Industrial Chemistry (Dyes, Drugs Pharmaceuticals and Pesticides)

Industrial Chemistry (Modern Methods of Chemical Analysis)

M.Sc. Tech.

Engineering Physics
(Photonics, Electronics and Instrumentation)

DOCTORAL PROGRAMMES

Ph.D. Programmes are offered in

All branches of Engineering

Sciences (Mathematics, Physics and Chemistry)

Humanities (English Literature, Applied Linguistics and Economics) and

Physical Education

Note: M.S. programme is offered for in-service candidates working in reputed R&D organizations.

4.2 Course – wise Enrolment with Sex, Caste, Category break-up

a) UG B.Tech. 2008-2009

Name of the Course	Total No. of Students (all years)			Out of Total No. of students shown in col. (2) & (3)								
				S C			S T			Physically Handicapped		
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
B.Tech.												
I Year	676	159	835	82	27	109	48	7	55	4	0	4
II Year	456	81	537	57	10	67	26	10	36	3	0	3
III Year	439	66	505	62	10	72	34	1	35	2	0	2
IV Year	348	26	374	55	0	55	18	1	19	5	0	5
Total	**1919**	**332**	**2251**	**256**	**47**	**303**	**126**	**19**	**145**	**14**	**0**	**14**

b) UG B.Tech. 2009-2010

Name of the Course	Total No. of Students (all years)			Out of Total No. of students shown in col. (2) & (3)								
				S C			S T			Physically Handicapped		
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
B.Tech.												
I Year	682	131	813	78	18	96	47	10	57	13	2	15
II Year	715	152	867	77	22	99	49	5	54	17	1	18
III Year	457	88	545	63	11	74	31	10	41	4		4
IV Year	442	63	505	56	7	63	29	1	30	3		3
Total	**2296**	**434**	**2730**	**274**	**58**	**332**	**156**	**26**	**182**	**37**	**3**	**40**

c) Details of Students on rolls B.Tech. (Class-wise & Branch – wise) during 2009-2010

Branch	I Year			II Year			III Year			IV Year		
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
I. Civil Engineering												
1. Open	42	5	**47**	34	9	**43**	39	9	**48**	40	4	**44**
2. B.C	28		**28**	22	4	**26**						
3. S.C	9	4	**13**	10	3	**13**	7	1	**8**	6	2	**8**
4. S.T	7	1	**8**	6		**6**	4	1	**5**	5		**5**
Total	86	10	**96**	72	16	**88**	50	11	**61**	51	6	**57**
II Electrical & Electronics Engineering												
1. Open	41	3	**44**	37	9	**46**	4	6	**10**	41	8	**49**
2. B.C	20	6	**26**	22	3	**25**						
3. S.C	10	3	**13**	10	3	**13**	9		**9**	10		**10**
4. S.T	6	2	**8**	7		**7**	5		**5**	3	1	**4**
Total	77	14	**91**	76	15	**91**	18	6	**24**	54	9	**63**
III Mechanical Engineering												
1. Open	42	1	**43**	42	5	**47**	45	2	**47**	41	4	**45**
2. B.C	31		**31**	22	2	**24**						
3. S.C	13	1	**14**	13		**13**	7	1	**8**	9	1	**10**
4. S.T	6		**6**	7	1	**8**	4		**4**	4		**4**
Total	92	2	**94**	84	8	**92**	56	3	**59**	54	5	**59**
IV. Electronics & Communication Engineering												
1. Open	47	4	**51**	50	7	**57**	51	6	**57**	50	6	**56**
2. B.C	33	2	**35**	28	2	**30**						
3. S.C	13	3	**16**	15	2	**17**	8	2	**10**	10	1	**11**
4. S.T	7	1	**8**	7	1	**8**	5	1	**6**	5		**5**
Total	100	10	**110**	100	12	**112**	64	9	**73**	65	7	**72**

V. Metallurgical & Materials Engineering												
1. Open	24		**24**	20	9	**29**	22	3	**25**	25	2	**27**
2. B.C	19	2	**21**	17	1	**18**						
3. S.C	10	2	**12**	4	2	**6**	4	2	**6**	4	1	**5**
4. S.T	5		**5**	6		**6**	2	2	**4**	4		**4**
Total	58	4	**62**	47	12	**59**	28	7	**35**	33	3	**36**
VI. Chemical Engineering												
1. Open	34	10	**44**	24	10	**34**	39	10	**49**	46	7	**53**
2. B.C	17	11	**28**	28	7	**35**						
3. S.C	12	2	**14**	6	8	**14**	7	2	**9**	8	1	**9**
4. S.T	4	5	**9**	6	1	**7**	2	2	**4**	3		**3**
Total	67	28	**95**	64	26	**90**	48	14	**62**	57	8	**65**
VII. Computer Science & Engineering												
1. Open	47	3	**50**	48	6	**54**	51	4	**55**	45	8	**53**
2. B.C	34	5	**39**	26	3	**29**						
3. S.C	13	3	**16**	12	4	**16**	9	2	**11**	9	3	**12**
4. S.T	7	1	**8**	4	3	**7**	4	1	**5**	6		**6**
Total	101	12	**113**	90	16	**106**	64	7	**71**	60	11	**71**
VIII. Bio-Technology												
1. Open	15	4	**19**	19	17	**36**	32	8	**40**	29	10	**39**
2. B.C	8	19	**27**	18	4	**22**						
3. S.C	11	2	**13**	9	3	**12**	7	1	**8**	6	1	**7**
4. S.T	8		**8**	6		**6**		4	**4**	5		**5**
Total	42	25	**67**	52	24	**76**	39	13	**52**	40	11	**51**

d) PG: M.Tech. and M.Sc. Branch wise, MCA, MBA, M.Sc. Tech. 2009-10 Batch

Sl No.	Course Name	Sancti-oned Intake	Total Male /Female Strength			OC			OBC			SC			ST			QIP Students			Foreign Students		
			Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1	Engg. Structures	38	31	4	35	13	1	14	14	1	15	3	2	5	--	--	--	--	--	--	1	--	1
2	Geo-Tech Engg.	20	7	3	10	3	3	6	3	--	3	--	--	--	--	--	--	--	--	--	1	--	1
3	Transportation Engg.	38	23	9	32	8	4	12	11	4	15	2	1	3	--	--	--	--	--	--	2	--	2
4	Water Resource Engg.	20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5	Remote Sensing & GIS	20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6	Environmental Engg.,	20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7	Construction Techniques & Management	20	15	1	16	8	1	9	6	--	6	1	--	1	--	--	--	--	--	--	--	--	--
8	Power Electronics & Drives	38	34	2	36	12	2	14	13	--	13	6	--	6	3	--	3	--	--	--	--	--	--
9	Power Systems Engg.	38	35	1	36	14	1	15	12	--	12	6	--	6	3	--	3	--	--	--	--	--	--
10	Thermal Engg.	20	17	--	17	4	--	4	9	--	9	3	--	3	1	--	1	--	--	--	--	--	--
11	Manufacturing Engg.	20	20	--	20	5	--	5	11	--	11	3	--	3	1	--	1	--	--	--	--	--	--
12	CIM	20	19	1	20	8	--	8	6	1	7	3	--	3	2	--	2	--	--	--	--	--	--
13	Product Design & Dev.	20	16	1	17	5	--	5	8	--	8	2	1	3	1	--	1	--	--	--	--	--	--
14	Materials Technology	24	13	2	15	8	1	9	2	--	2	3	1	4	--	--	--	--	--	--	--	--	--
15	Automobile Engg	20	16	2	18	5	1	6	8	1	9	2	--	2	1	--	1	--	--	--	--	--	--
16	Electronics Instrumentation	20	19	--	19	10	--	10	5	--	5	2	--	2	2	--	2	--	--	--	--	--	--
17	VLSI System Design	20	18	1	19	7	--	7	9	--	9	2	1	3	--	--	--	--	--	--	--	--	--
18	Advanced Communication Systems	24	20	4	24	7	2	9	8	--	8	3	1	4	2	--	2	--	--	--	--	1	1
19	Industrial Metallurgy	20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
20	Chemical Engg.	20	13	3	16	5	--	5	7	1	8	1	2	3	--	--	--	--	--	--	--	--	--

21	C.S.E	20	17	3	20	7	2	9	6	--	6	2	1	3	1	--	1	--	--	--	1	--	1
22	Information Security	20	14	3	17	6	2	8	4	1	5	3	--	3	1	--	1	--	--	--	--	--	--
23	M.Sc (Applied Maths)	24	7	11	18	5	7	12	2	2	4	--	2	2	--	--	--	--	--	--	--	--	--
24	M.Sc (Maths & S. C)	24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
25	M.Sc.(Tech) Engg. Physics	48	15	6	21	9	5	14	3	1	4	2	--	2	1	--	1	--	--	--	--	--	--
26	M.Sc (Chemistry) DDPP	24	19	4	23	5	--	5	8	4	12	3	--	3	3	--	3	--	--	--	--	--	--
27	M.Sc.(Chemistry) MMCA	24	18	3	21	6	2	8	10	1	11	2	--	2	--	--	--	--	--	--	--	--	--
28	M.C.A	46	35	8	43	13	7	20	12	1	13	6	--	6	4	--	4	--	--	--	--	--	--
29	M.B.A	62	28	13	41	12	12	24	13	1	14	2	--	2	1	--	1	--	--	--	--	--	--
	Total :-	**772**	**469**	**85**	**554**	**185**	**53**	**238**	**190**	**19**	**209**	**62**	**12**	**74**	**27**	**--**	**27**	**--**	**--**	**--**	**5**	**1**	**6**

e) Total Enrollment for the year 2009-2010 (PG Courses)

Semester	OC			OBC			SC			ST			QIP/FOREIGN		
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
I-Semester	185	53	238	190	19	209	62	12	74	27	-	27	5	1	6
III-Semester	252	46	298	149	18	167	75	11	86	30	4	34	4	2	6
V- Semester	39	7	46	-	-	-	8	2	10	06	-	6	-	-	-
Grand Total	**476**	**106**	**582**	**339**	**37**	**376**	**145**	**25**	**170**	**63**	**4**	**67**	**9**	**3**	**12**

4.3 Admission Statistics – UG / PG programmes, Course-wise

a). B.Tech 2009-2010

Sl.No.	Branch	Duration	Sanctioned Intake	Actual Enrolment	
				Indians	Foreigners
1	Civil Engineering	4 Years	92	92	10
2	Electrical & Electronics Engineering	4 Years	92	92	10
3	Mechanical Engineering	4 Years	94	94	13
4	Electronics & Communication Engineering	4 Years	108	108	18
5	Metallurgical and Materials Engineering	4 Years	62	62	
6	Chemical Engineering	4 Years	92	92	13
7	Computer Science & Engineering	4 Years	108	108	16
8	Bio-Technology	4 Years	92	71	4
Total			**740**	**719**	**84**

** Students admitted under DASA scheme*

B.Tech (First to Final Year) - 2008-2009

Sl.No.	Country to which belongs	No. of Foreign Students			Name of the Sponsoring Agency. i.e Pvt. Indian Govt. etc.
		Boys	Girls	Total	
1	Nepal	30	2	32	DASA
		11		11	MEA NEPAL AID FUND
2	Srilanka	1	1	2	ICCR
		9		9	DASA
		1		1	SPDC
		2		2	MEA SFC
3	Mauritious	1		1	ICCR
4	Kenya	1		1	DASA
5	Qatar	11	1	12	DASA
6	Kuwait	2	1	3	SPDC
		16		16	DASA
7	UAE	9	5	14	DASA
8	Oman		1	1	SPDC
		3	2	5	DASA
9	Behraen		1	1	SPDC
		4	2	6	DASA
10	Indonesia	1	2	3	DASA
11	Saudi Arabia	16	2	18	DASA
		1		1	SPDC
12	Riyad	1	2	3	SPDC
		3		3	DASA
13	Spain	1		1	DASA
14	Bangladesh	1	1	2	ICCR
			1	1	DASA
15	Gambia	1		1	ICCR
16	Canada	1		1	DASA
17	U.S.A	7	2	9	DASA
18	Sharjah	2	4	6	DASA
19	Bhutan	8		8	MEA SFC
20	Bangkok		1	1	MEA SFC
21	Nigeria		1	1	DASA
22	Muscat		1	1	SPDC
		2	1	3	DASA
23	Abudabi	4		4	DASA
			1	1	SPDC
24	Dubai	10	5	15	DASA
25	Fiji	1		1	ICCR
26	Botswana	1		1	ICCR
27	Doha	1	1	2	DASA
28	Singapore		1	1	DASA
29	Hong Kong	1		1	DASA
			1	1	MEA SFC
30	Tehrain	1		1	MEA SFC
31	Switzerlan	1		1	MEA SFC
Total		**166**	**43**	**209**	

B.Tech (First to Final Year) - 2009-2010

Sl.No.	Country to which belongs	No. of Foreign Students			Name of the Sponsoring Agency. i.e Pvt. Indian Govt. Etc.
		Boys	Girls	Total	
1	Nepal	30	4	34	DASA
		1		1	ICCR
		6		6	MEA
2	Srilanka	6	1	7	DASA
		1	1	2	SFC
		1	1	2	SPDC
		1	1	2	ICCR
4	Kenya	1		1	DASA
5	Qatar	15	1	16	DASA
6	Kuwait	23	3	26	DASA
		2		2	SPDC
7	U A E	17	6	23	DASA
		1		1	SPDC
8	Oman	4	5	9	DASA
			1	1	SPDC
9	Behraen	4	5	9	DASA
10	Indonesia	1	4	5	DASA
11	Saudi Arabia	17	2	19	DASA
		1		1	SPDC
12	Riyad	4		4	DASA
		1	2	3	SPDC
13	Afghanistan	2		2	DASA
14	Bangladesh	1	1	2	ICCR
15	Gambia	1		1	ICCR
16	Canada	2		2	DASA
17	U.S.A	12	1	13	DASA
18	Sharjah	4	3	7	DASA
19	Cairo	1		1	MEA
20	Bangkok	1		1	MEA
21	Jeddah	2		2	DASA
22	Muscat	5	3	8	DASA
			1	1	SPDC
23	Abudabi		1	1	DASA
			1	1	SPDC
24	Dubai	7	3	10	DASA

25	Morraco	1		1	DASA
26	Santiago		1	1	MEA
27	Doha	1	1	2	DASA
		1		1	SPDC
28	Singapore		1	1	DASA
29	Hong Kong		1	1	MEA
		1		1	DASA
30	Vitanam		1	1	DASA
31	Switzerland	1		1	MEA
32	France		1	1	DASA
33	Tanzania	1		1	DASA
34	Mauritious	1		1	ICCR
35	Nigeria		1	1	DASA
35	Bhutan	8	1	9	MEA
		1		1	DASA
Total		**191**	**59**	**250**	

Statement showing the Branch - Wise actual number of candidates admitted into first Year B.Tech. Degree Course during the academic year 2009-2010.

Sl.No.	Branch	Boys		Girls		Total	
		Indians	Foreign	Indians	Foreign	Indians	Foreign
1	Civil Engineering	86	9	11	1	97	10
2	Electrical & Electronics Engineering	77	10	14		91	10
3	Mechanical Engineering	92	11	2	2	94	13
4	Electronics & Communication Engineering	100	14	10	4	110	18
5	Metallurgical and Materials Engineering	58		4		62	
6	Chemical Engineering	67	4	28	9	95	13
7	Computer Science & Engineering	101	9	12	7	113	16
8	Bio-Technology	42	2	25	2	67	4
	Total	**623**	**59**	**106**	**25**	**729**	**84**

4.4 Student's Total Strength (UG and PG)

Under graduate Students	:	2730
Post graduate Students	:	1207
Total	:	**3937**

4.5 The Hostels

There are fourteen Hostel blocks, 1K, Ultra Mega Hostels and International Halls of Residence for boys out of which four are double seated, Eight are single seated and six are triple seated. In addition, there are two Girls Hostels, which can accommodated 254 students in 127 rooms and one more new Girls Hostel Blocks which can be accommodated 350 students.

There are five messes for boys and one for Girls. All these Messes are managed by the nominated student representatives under the overall guidance of Wardens who are the members of the teaching faculty.

For every residential block, there is a Hall Warden who is also a member of the teaching faculty. The Chief Warden is the Head of the Hostel Organization. He is appointed by the Director generally for a period of two years.

There are two managing bodies for Hostel. One is called the Hostel Advisory Council (HAC), and the other is Hostel Executive Committee (HEC). All policy decisions are taken by the Hostel Advisory Council (HAC), for which the Director is the Chairman, the Chief Warden, Registrar, Asst.Proctor, Project Engineer, Medical Officer, all Wardens and two student representatives one from Messes and one from Halls of residence are the members of HAC. The Chief Warden is the Chairman of HEC. All the Wardens, Student representatives from each of the Messes and Halls, the Deputy Executive Engineer, the Medical Officer and the Asst.Proctor are the members of the HEC. The HEC reviews the running of the Messes and Halls every month and take necessary steps for smooth running of the Hostels and Messes.

The Hostel Messes run on "No-profit-no loss" basis. The average monthly bill for food comes around Rs.1800.00

Each Hostel block is provided a colour Television with cable Network for entertainment and a unidirectional P&T Telephone. There is one centralized reading room for boys and one for Girls Hostel for general reading. There is a centralized music system for the boys Hostels.

Water Coolers with purified water by Reverse Osmosis technique have been provided to all the blocks and Messes including the Ladies Hostel. All the kitchens have been modernized and steam cooking/Gas cooking system have been installed. Shopping complex with a Xerox, Fruit stall, bakery and public call Office (STD and ISTD facility available) has been provided. There is a cafeteria which providing Tea, Coffee and snacks till late night to the inmates of Boys Hostels.

PARTICULARS OF HOSTEL BLOCKS AND STUDENTS CAPACITY

S.No	Blocks No.	No. of Rooms	Type of Residency Capacity	Residency Capacity (Students)
	For Boys			
1.	I	(100-1)= 99	single seated	99
2.	II	(100-1) =99	single seated	99
3.	III	(48-2)= 46	Triple seated	138
4.	IV	(48-1) =47	Triple seated	141
5.	V	(48-1)= 47	Triple seated	141
6.	VI	(48-2)= 46	Triple seated	138
7.	VII	(48-1)= 47	Triple seated	141
8.	VIII	(48-1)= 47	Triple seated	141
9.	IX	(100-1) =99	single seated	99
10.	X	(100-1)= 99	single seated	99
11.	XI	(48-1)= 47	Double seated	94
12.	XII	(48-1) =47	Double seated	94
13.	XIII	(200-3)= 197	Double seated	197
14.	XIV	(200-2)= 198	single seated	198
15.	1K	1000	single seated	1000
16	Ultra Mega	1750	Single seated & Double seated	1750
17.	International Hall	250	Single seated	250
	For Girls			
18.	S.H.	(48-1)= 47	Double seated	94
19.	P.H.	(81-1)= 80	Double seated	160
20.	New Block	350 capacity	Single seated	350

1. Single seated blocks : **I, II, IX, X, XIV, 1K,Ultra Mega & International Hall (8 blocks)**
2. Double seated blocks : **XI,XII,XIII, Ultra Mega (4 Blocks)**
3. Triple seated blocks : **III,IV,V,VI,VII,VIII (6 blocks)**
4. Ladies Hostel (two seated) : **Priyadarshini, sarojini & New Blocks(2)**

Total Residential blocks : **20**
Total boys accommodation : **4819**
Total Girls accommodation : **604**

4.6 Scholarships / Assistance 2009-10

Scholarships awarded:

S.No.	Name of the scholarships /stipends	No. of Scholar-ships Awarded	Remarks
1	Institute Merit Scholarships	199	Rs.100/-p.a.+ exemption from payment of Tuition fee and a Merit Certificate
ANDHRAPRADESH			
2	***S.C. SCHOLARSHIPS***		
a)	B.Tech.(Regular) P.G.Students :	88 33	Mess charges at the rate Rs.962/-P.M for U.G and 682/- for P.G. students, and reimbursement of Tuition Fee for boarders.
b)	B.Tech.(Regular) P.G.Students :	6 4	Rs. 429/- P.M and reimbursement of Tuition Fee for Day Scholars.
3	**S.T. Scholarships**		
a)	B.Tech.(Regular) P.G.Students :	69 9	Mess charges at the rate Rs.962/-P.M for U.G and 682/- for P.G. students, and reimbursement of Tuition Fee for boarders.
b)	B.Tech.(Regular) P.G.Students :	4 6	Rs. 429/- P.M and reimbursement of Tuition Fee for Day Scholars.
4	**B.C. Scholarships**		
a)	B.Tech.(Regular) P.G.Students :	208 101	Mess charges at the rate Rs.962/-P.M for U.G and 682/- for P.G. students, and reimbursement of Tuition Fee for boarders
b)	B.Tech.(Regular) P.G.Students :	16 37	Rs. 429/- P.M and reimbursement of Tuition Fee for Day Scholars.
5	***E.B.C. SCHOLARSHIPS***		
a)	B.Tech.(Regular) P.G.Students :	12 16	Mess charges at the rate Rs.962/-P.M for U.G and 682/- for P.G. students, and reimbursement of Tuition Fee for boarders.
b)	B.Tech.(Regular) P.G.Students :	1 1	Rs. 429/- P.M and reimbursement of Tuition Fee for Day Scholars.

6	**P.H. Scholarships**		
a)	B.Tech.(Regular) P.G.Students :	10	Mess charges at the rate Rs.962/-P.M for U.G and 682/- for P.G. students, and reimbursement of Tuition Fee for boarders.
b)	B.Tech.(Regular) P.G.Students :	1	Rs. 429/- P.M and reimbursement of Tuition Fee for Day Scholars.
7	**Minority Scholarships**		
a)	B.Tech.(Regular) P.G.Students :	9 2	Mess charges at the rate Rs.962/-P.M for U.G and 682/- for P.G. students, and reimbursement of Tuition Fee for boarders
b)	B.Tech.(Regular) P.G.Students :	1 1	Rs. 429/- P.M and reimbursement of Tuition Fee for Day Scholars.

Other States:

Statement showing the details of various Scholarship / stipends awarded during the year 2009-10 under Head of Account: OTHER SCHOLARSHIPS – 2009-10

S.NO	Name of the Scholarship / Sitpends	No. Awarded	AMOUNT RECEIVED	DISBURSED AND ADJUSTED AS T/F AMOUNT
A.	***SC/ST Scholarships From other states;***			
1.	Assam	3	27,200	27,200
2.	Bihar	6	1,01,080	1,01,080
3.	Chandigarh	1	25,000	25,000
4.	Chattisgarh	4	1,08,855	1,08,855
5.	DTE Lakshadweep	3	90,451	90,451
6.	Haryana	1	40,600	40,600
7.	Himachal Pradesh	1	3,600	3,600
8.	Jharkhand	3	1,25,640	1,25,640
9.	Karanataka	9	2,09,530	2,09,530
10.	Kerala	11	1,91,000	1,91,000
11.	Madhya Pradesh	4	1,13,620	1,13,620
12.	Maharastra	7	3,39,600	3,39,600
13.	Orissa	3	70,940	70,940
14..	Rajasthan	2	33,900	33,900
15.	Tamilnadu	1	9,860	9,860
16.	Tripura	1	8,200	8,200
17.	Uttar Pradesh	9	2,69,140	2,69,140
18.	West Bangal	1	9,570	9,570
		Total 1:	**5,77,798**	**5,77,798**

	Other Scholarships			
19.	NCERT-New Delhi	9	54,000	54,000
20.	NTPC	1	18,000	18,000

21.	Prthibha awards	1	17,500	17,500
22.	Leela Hospital	1	5,000	
23.	UGC Grants for professional course MBA	8	7,36,000	7,36,000
24.	Visakhapatnam Steel Plant	1	18,000	18,000
25.	Other Scholarship	1	11,500	11,500
26.	AIEEE Merit Fellowship	7	1,75,000	1,75,000
27.	Shri SS Jain Conference	1	10,000	10,000
28.	National Scholarship for persons with disabilities	1	20,000	20,000
29.	UGC Scholarship for single girl child	1	40,000	40,000
30.	Bank of India	1	3,900	3,900
31.	IOCL	5	60,000	60,000
32.	ED-CIL (SPDC)	40	91,64,028	91,64,028
33.	ED-CIL (MEA)	18	26,99,492	26,99,492
34.	FAEA	1	6,700	6,700
35.	Indian Council for Cultural Relation Foreign Students	18	12,04,350	12,04,350
		Total 2:	**1,42,43,470**	**1,42,43,470**

Total 1:	**5,77,798**	**5,77,798**
Total 2:	**1,42,43,470**	**1,42,43,470**
Grand Total:	**1,48,21,268**	**1,48,21,268**

4.7 Games and Sports

The Department of Physical Education provides training facilities for all the students and staff of this Institute. It has excellent infrastructure facilities for both outdoor and indoor games and sports.. The outdoor games include Volleyball, Football, Cricket, Tennis, Ball Badminton, Kabaddi, Kho-Kho, Hand ball, Hockey, Tennikoit, Basket Ball (concrete) and Tennis, Flood Light facility is provided to all the outdoor games. The Indoor games like Fitness Center, Wooden flooring for shuttle badminton. The Sports ground accommodates a 400m standard track, an excellent pavilion and facilities for athletic events.

The Indoor Games complex (IGC) provides the following facilities:

Chess, Caroms, Gymnastics, Shuttle Badminton with wooden flooring. Table Tennis Weight Lifting and 16 & 12 stations multi-Gyms.

Activities of the department include:

Providing an opportunity to talented Sportsmen and women to participate in the extramural competitions like , Inter NIT Sports meet and Inter University Sports competitions regularly.

Organizing Sports tournaments at campus regularly for staff and students.

Organizing Intramural Sports and Games competitions branch wise in Athletics, Cricket, Ball Badminton, Badminton, Basketball, Football, Kabaddi, Tennis, Table Tennis, Tenni-koit and Volleyball.

Offering a course EAP (Extra Academic Programme) for the 1st year B.Tech. Students (1 credit)

Conducting Fitness and conditioning classes to all first year students regularly

A brief report of the activities for 2009-2010

MUNERA INTRAMURAL COMPETITIONS:

- **MUNERA** Intramural competitions were conducted from 12.03.2010 to 21.03.2010 in the following disciplines Athletics, Ball Badminton, Badminton, Basketball, Caroms, Chess, Table Tennis, Tennis, Tennikoit, Volleyball for both Men & Women students, Cricket, Football, Kabaddi for Men & Throw Ball for Women

- Mass run was conducted on 15th August 2009 & 26th January 2010.

EXTRAMURAL COMPETITIONS:

- Our Institute Football (Men) team participated in the Invitational Inter Collegiate Football Tournaments organized by KMC, Warangal and won the trophy.

- As a part of Technozion 2009 Institute organized an Invitational Inter Collegiate Football Tournament.

OTHER TOURNAMENTS AND FRIENDLY MATCHES:

- A volleyball Tournament in Memory of Late Sri. Sri Hari hostel employee was organized.
- A Tennis Tournament was organized in memory of Late Sri. Palaih for the Campus Community.
- Subbulu Memorial Ball Badminton Tournament was organized in memory of Late Sri. Subbulu Ex Asst.Physical Director for the Campus Community.
- Friendly Basketball Matches were played between KITS, Warangal, KMC Warangal and Kaktiya University Basketball Teams

INTER N.I.T. COMPETITIONS:

- Our Institute Kabaddi & Cricket (Men) Teams took part in the Inter NIT Sports Meet organized by NIT Rourkela from 15th to 18th December 2009. In that Our Kabaddi team won the trophy.
- Our Institute Basketball (Men) & Chess (Men) Team took part in the All India Inter NIT Basketball & Chess Tournament organized by SVNIT Surat from 12th to 14th December 2009 and our Chess team secured Third Position.
- Our Institute Football (Men) Team took part in the All India Inter NIT Football Tournament organized by NIT Hamirpur from 12th to 14th December 2009.
- Our Institute Athletics (Men & Women), Aquatics (Men),Ball Badminton (Men) and Volley Ball (Men & Women) Teams took part in the Inter NIT Tournaments organized by NITK Surathkal from 14th to 17th December 2009 and Secured the following Positions

Athletics	: 3 Gold and 1 Silver
Aquatics	: 2 Silver and 5 Bronze
Ball Badminton (Men)	: Winner
Volley Ball (Men)	: Runner Up
Volley Ball (Men)	: Third Position

- Our Institute Table Tennis (Men & Women) & Tennis (Men & Women) Teams took part in the All India Inter NIT Table Tennis (Men & Women) & Tennis (Men & Women) Tournament organized by NIT Calicut from 21st to 24th December 2009 and Secured the following Positions

Table Tennis (Men)	: Winner
Table Tennis (Women)	: Runner Up
Tennis (Women)	: Runner Up

4.8 AWARDS

Civil Engineering Department

Dr.P.Rathish Kumar, Associat Professor, Post Doctoral Fellowship from Kitami Institute of Technology, Hokkaido, Japan under the Japan Society for Promotion of Sciences (JSPS) scholarship for the year April 2009-2010.

Dr. V.Ramana Murthy, Associate Professor & Sri G.V.Praveen
IGS Best Paper award on slope Stability and Land Slides for the paper entitled "Instrumented MSE walls with Cement Modified Marginal Backfill and Built-in Facing, 2009".

Dr. D.S.V. Prasad, Dr G.V.R. Prasada Raju & Dr. V. Ramana Murthy
"The Corps of Engineers Prize" from The Institute of Engineers (India),2009.

Electrical Engineering Department

Dr. D.V.S.S. Siva Sarma, Professor, has won the 'The outstanding Branch Counselor or Advisor Award' issued by IEEE for the year 2009.

Mechanical Engineering Department

Sri Y.Ravikumar, Assistant Profesor, Received "Young Engineer of the Year 2009" Award by the Government of Andhra Pradesh and the Institute of Engineers (India)

Metallurgical and Materials Engineering Department

Indian National Academy of Engineers (INAE) visiting fellowship awarded to Dr. Asit Kumar Khanra, Asst. Professor, he has visited IGCAR, Kalpakkam, Tamil Nadu during the period of 4.5.2009 to 3.7.2009.

Chemistry

1. This paper presented by S. Srinivasa Rao won the Best Paper Award in the conference.A new eco-friendly ternary inhibitor formulation based on phosphonate for corrosion inhibition of carbon steel. B.V.Appa Rao and S. Srinivasa Rao Proc. National conference on corrosion assessment and its control, 21-22 December 2009, Madurai, India.

2. I.A.K. Reddy , M. Nookaraju, N. Venkatathri, A. Rajini, and, **Best Poster award (second prize),** International Conference on Recent trends in Nano and Biosciences (ICORTNBS-2010) , PG college of Science, Saifabad, Osmania University, Hyderabad, A.P., India, February 24-26, 2010.

3. KV Gobi, Best Poster Award – Third Prize titled 'Electron Transfer Characteristics of Redox Activated Enzymes and Application for Superoxide Dismutase Sensing' presented at the 'National Conference on Recent Advnaces in Electroanalytical Techniques, Feb 25-26, 2010, Gandhigram Rural Institute, Dindigul, Tamilnadu'

4. Best Poster award (second prize), Synthesis, characterization and catalytic properties of a novel mesoporous Ti – nanohollow silica from Tetrapropylammonium bromide surfactant.
N. Venkatathri, A. Rajini, M. Nookaraju and I.A.K. Reddy, International Conference on Recent trends in Nano and Bioscience, Osmania university, Hyderabad, A.P., India, February 24-26, 2010.

School Of Management

Dr Ritanjali Majhi was given Best Ph.D. Thesis award in International conference Systemic Cybernetics and Information (ICSCI-2010) by Pentagram Research Center Pvt. Limited, Hydrabad during 27-30 Jan 2010.

Dr Ritanjali Majhi was awarded Fellowship by Indian National Academy of Engineering, India during May-july,2010 for doing postdoctoral work at Indian Institute of Technology, Bhubaneswar.

4.9. Examination Details

Examination Results for the B. Tech (Regular) from 01.07.2009 to 30.06.2010

Sl. No.	Branch	No. of students appeared	Passed in First Div. with Distn.	First Division	Second Division	Total	% of Pass
1.	Civil Engg.	57	21	34	2	57	100
2.	E.E.E	65	28	31	4	63	96.92
3.	Mech. Engg.	62	27	30	4	61	98.38
4.	E.C.E	84	27	50	5	82	97.61
5.	Met. Engg.	36	12	18	1	31	86.11
6.	Chem. Engg.	65	28	30	6	64	98.46
7.	C.S.E	83	32	44	7	83	100
8.	Bio-Tech.	47	20	23	4	47	100

Top ranks in each of the branches B. Tech (Regular) from 01.07.2009 to 30.06.2010

Sl.No.	Branch	Roll No.	Name of the Student
1.	Civil Engg.	06118	Hemant Kumar
2.	E.E.E	06227	Manasa Gade
3.	Mech. Engg.	06303	Abhilash Kumar Sethi
4.	E.C.E	06468	Sudhir Kumar Singh
5.	Met. Engg.	06506	Bhaskar Sravan Vadlamani
6.	Chemical Engg.	06635	Sravya Vallabhaneni
7.	C.S.E	06714	Bedanta Bikash Borah
8.	Bio-Tech.	06827	Sumona Chakraborty

Examination Results for PG Courses 1.07.2009 to 30.06.2010

Sl. No.	Branch	No. of Students appeared	Passed	% of Pass
Civil Engineering				
1.	Engg. Structures	38	38	100%
2.	Geo-Technical Engg.	12	12	100%
3.	Transportation Engg.	31	31	100%
4.	Construction Technology & Management	13	13	100%
Electrical Engineering				
1.	Power Electronics & Drives	30	30	100%
2.	Power Systems Engg.	36	36	100%
Mechanical Engineering				
1.	Thermal Engineering	19	19	100%
2.	Manufacturing Engineering	17	17	100%
3.	Computer Integrated Manufacturing	18	18	100%
4.	Product Design Development	20	20	100%
5.	Materials Technology	10	10	100%
6.	Automobile Engineering	20	20	100%
Electronics and Communication Engineering				
1.	Electronic Instrumentation	16	16	100%
2.	VLSI System Design	21	21	100%
3.	Advanced Communications System	23	23	100%
Chemical Engineering				
1.	Computer Aided Process Equipment Design	18	18	100%
M.Sc. Mathematics				
1.	Applied Mathematics	9	9	100%

M.Sc. (Tech.) Engineering Physics				
1.	Photonics	13	13	100%
2.	Electronics	6	6	100%
3.	Instrumentation	9	9	100%
M.Sc. Chemistry				
1.	Dyes, Drugs, Pharmaceuticals & Pesticides	22	22	100%
2.	Modern Methods of Chemical Analysis	24	24	100%
Master of Business Administration				
1.	M.B.A	45	45	100%
Computer Science & Engineering				
1.	Computer Science & Engineering	18	18	100%
2.	Information Security	19	19	100%
3.	M.C.A	27	27	100%

RESEARCH AND DEVELOPMENT ACTIVITIES

5.1 Ph.D Programmes – Existing and Proposed

Details of the candidates admitted into Ph.D. from 01.07.2009 to 30.06.2010

Sl. No.	Roll No.	Name of the Student	Department
1.	700951	G. Sunil Kumar	Electrical Engg.
2.	700953	Mrs. E. Amara Vani	Electrical Engg.
3.	700954	Chandrasekhar Yanmani	Electrical Engg.
4.	700955	Venkateswarlu Ganta	Mech. Engg.
5.	700956	Kosaraju Satyanarayana	Mech. Engg.
6.	700957	Venugopal Lingampalli	Mech. Engg.
7.	700958	Srinivasu Gangisetti	Mech. Engg.
8.	700959	Devaraju, A	Mech. Engg.
9.	700960	Vinay Kumar Donakonda	Mech. Engg.
10.	700962	T. Venu Madhav	E.C.E.
11.	700963	D Guranna Bhalke	E.C.E.
12.	700964	K. Keerti Kumar	E.C.E.
13.	700965	D. Santhosh Kumar	E.C.E.
14.	700966	Siva Prasad Nandyala	E.C.E.
15.	700967	Rayi Navven Kumar	Chemical Engg.
16.	700968	Saraiah Gujjunoori	C.S.E.
17.	700969	Syed Taqi Ali	C.S.E.
18.	700970	Ragoju Ravi	Mathematics
19.	700971	G. Janardhana Reddy	Mathematics
20.	700972	Kaladhar Kolla	Mathematics
21.	700973	M. Krishna Prasad	Mathematics
22.	700974	Madhulatha Katuri	Mathematics
23.	700975	Rajeswara Rao Nakka	Physics
24.	700976	Putha Kishore	Physics
25.	700977	Sowri Babu Kotikala	Physics
26.	700978	T. Ramesh	Physics
27.	700979	Ugandar Reddy	Chemistry
28.	700980	Palakuri Kavitha	Chemistry

29.	700982	Kanaka Raju Sankari	Chemistry
30.	700983	K. Koteshwara Reddy	Chemistry
31.	700984	Mr. Ramaraju. B	Biotechnology
32.	700985	Mr. Hari Shankar Prasad	Mathematics
33.	700986	Habtu Alemayehu Atsbaha	Mathematics
34.	700987	Mr. Santosh Penta	Chemistry
35.	700988	Jangam Ebenezer	C.S.E.
36.	700989	Vaishali B.N.	E.C.E.
37.	700990	B. Sreenivasan	C.S.E.
38.	701001	Uday Chander. D	Civil Engineering
39.	701002	Ramu Banoth	Civil Engineering
40.	701003	Devara Vijaya Bhaskar	Electrical Engineering
41.	701004	Murali Matcha	Electrical Engineering
42.	701005	Rajendra Anant Deshpande	Electrical Engineering
43.	701006	T. Lokeswar Rao	Mech. Engineering
44.	701007	T. Mallikarjuna Rao	Mech. Engineering
45.	701008	B. Sreedhara Rao	Chemical Engg.
46.	701009	Somaraju Suvvuri	Comp. Science & Engg.
47.	701010	Basetty Mallikarjun	Comp. Science & Engg.
48.	701011	Nagesh Bhattu Sristy	Comp. Science & Engg.
49.	701012	Purushothma B.R.	Comp. Science & Engg.
50.	701013	Ms. Sucheta Viswanath Kolenkar	Comp. Science & Engg.
51.	701014	Vobugari Sree Kumar	Comp. Science & Engg.
52.	701015	Naveen Kumar Mekala	Biotechnology
53.	701016	Punnam Chandar Bitla	Mathematics
54.	701017	Janardhan Banothu	Chemistry
55.	701018	T. Rahul	School of Management
56.	701019	Ms. Premalatha. P	School of Management
57.	701020	Narasimha Reddy Miryala	Chemistry

5.2 Details of Ph.Ds done so far

A. Details of the Ph.D. Degrees awarded since 01.01.2000

Sl. No	Name & Address of the Candidate	Name & Address of the Guide	Disci-pline/ Depart-ment	Title of the Ph.D. thesis	Year of award	Part-time/ full time
1	2	3	4	5	6	7
1.	S. Paul Dougles Asst. Professor Instt. Of Advanced Studies in Edn. Andhra Univ. Visakhapatnam	Dr.P.Nageswara Rao, Professor of Chemistry, NIT, Warangal.	Chemistry	Spectrophoto-metric investigations of some transition metal complexes of 2,3,4-Trihydoroxyphenyleth ylidine Benzoic Acid Hydrazine	2000	Part-time
2.	Sri T. Sai Rama Asst. Professor in EEE, NBKR Institute of Technology, Vidyanagar, Nellore	Prof. P.V. Ramana Rao Prof. of Electrical Engg. NIT, Warangal	Electrical Engg.	Some Aspects of Fault Analysis of Six Phase Power Transmission systems	2000	Part-time
3.	Sri V. Ravi Kumar H.No. 25-5-60, Vishnupuri, Kazipet	Dr. V. Rajeswara Rao Lecturer in Chemistry NIT, Warangal	Chemistry	Synthesis of some new Heterocyclic Suystems at 3rd position of 2 H-1 Benco – Phron – 2- ones	2000	Full time
4.	Sri P. Thirupathi Reddy S/o. P. Venkat Reddy H.No. 2-434-90, Teachers Colony – II, Hanamkonda	Dr. D.S. Kesava Rao Lectuer in English Dept of Mathematics & Humanities, NIT, Waangal	Humanities	The Theme of Predicament of Women in The Novels of Margaret Drabble	2000	Part-time
5.	Kilari Srinivasu R& D. Division NATCO Laboratories Ltd., Banzara Hills, Hyderabad	Prof. A. Rama - chandraiah Prof. of Chemistry NIT, Warangal	Chemistry	Electro Chemical & Spectral Studies of Ciprofloxacin – Precursors	2001	Part-time
6.	M. Chandrasekhar Lecturer in Civil Engg., NIT, Warangal	Dr. N.V. Uma Mahesh Prof. of Civil Engg., NIT, Warangal	Civil Engg.	Immmission Approach for Modelling Dissolved Pollutants In a river for Separation of Point and Non point loads	2001	Part-time
7.	Sri N. Murali Krishna Reader in Civil Engg., OU, Hyderabad.	Prof.(Rtd) D. Gangadhram, Prof. of Civil Engg., NIT, Warangal	Civil Engg.	Analysis of Infilled Frames Using Artificial Neural Networks	2001	Full - time

8.	Sri G.V.S. Nageswara Rao, Lecturer in Metallurgy, NIT, Warangal	Prof. G. Sambasiva Rao and Prof. M. Hanumantha Rao NIT, Warangal	Metallurgy	Influence of Fluidized Bed Nitro carburising On Tribological , Fatigue and Corrosion resistance Properties of Some of the Steels used for Automobile and Structural Components	2001	Part-time
9.	Sri Fareed Mohammed Abdul Karim C/o. Transportation Engg. Divisn. NIT, Warangal	Prof. BP Chandra-sekhar Prof. of Civil Engg. NIT, Warangal	Civil Engg.	Behavioural Mode Choice Models for Rail road Non Bulk Commodity Transport	2001	Part-time
10.	Sri K. Anantha Reddy	Prof. Y.N. Reddy Prof. of Mathematics NIT, Warangal	Mathematics	A Numerical Study of singular Perturbation Problems (Numerical Analysis)	2001	Part-time
11.	Prakash Chandra Swain Lecturer in Civil Engg. University College of Engg. Burla – 768 018 Sambalpur, Orissa	Dr. N.V. Uma Mahesh Prof. of Civil Engg., NIT, Warangal	Civil Engg.	Multipurpose Reservoir Mangement Using Neural Networks and Neuro Fuzzy Inference Systems	2001	Full–time
12.	Md. Zakiuddin S/o. M.A. Samed, H.No. 2/523/A/42-C Waddepally, Warangal - 370	Dr. Thiruvenkataswamy Asst. Prof. of English NIT, Warangal	Humani-ties	A Study in Needs Analysis to Develop an English Language Curriculum At the Intermediate Level in Andhra Pradesh	2001	Part-time
13.	Sri K. S. Krishna Murthy	Prof. M. Kanakalinges-war Rao Prof. of Chemistry NIT, Warangal	Chemistry	Synthesis of Aroylfurano Compounds: Evaluation of Their Anti Implantation and Anti Microbial Activities	2001	Full–time
14.	Sri G.V. R. Prasada Raju Lecturer in Civil Engg., JNTU, Kakinada	Prof.BP.Chandrasekhar Prof. Of Civil Engg. NIT, Warangal	Civil Engg.	Evaluation of Flexible pavement Performance With Reinforcement and Chemical Stabilisation of Expansive Soil Subgrade	2001	Full-time
15.	Sri Y. Thirupathi Reddy C/o. Vignana Bharathi College, Mahabubabad	Dr. B . Rajitha Asst. Prof. of Chemistry NIT, Warangal	Chemistry	Synthesis of Novel Heterocyclic Comounds of Biologi-cal Interest By Phase Transfer Catalysis and Micro-wave Irradiation Method	2001	Part-time
16.	Sri D. Prabhakara Chary Lecturer in Chemistry, KITS, Warangal	Prof. A. Ramachandraiah Prof. Of Chemistry NIT, Warangal	Chemistry	Chemical Characterisation and Methods of Utilisation of Municipal Solid Wastes	2002	Full-time

17.	J. Ramachander Patil Civil Engineer, Near Z.P. Primary school Post: Sakharale - 415414 Sangli Dist.	Dr. N.V. Uma Mahesh Prof. of Civil Engg., NIT, Warangal	Civil Engg.	Analysis and Design of Bored Piles in Rock Using Neural Networks	2002	Full-time
18.	Mohammed Ahmed Ali H.No. 19-3/41/2, Jahanuma, Hyderabad – 53.	Prof.BP.Chandra-sekhar Prof. Of Civil Engg. NIT, Warangal	Civil Engg.	Urban Transport Noise Magnitude Perceptions and Modelling	2002	Part-time
19.	Sri S Venugopalan No,3 Scheme Road, YMR Patti, Dindigul Tamil Nadu	Prof. B.V. Appa Rao Prof. of Chemistry NIT, Warangal	Chemistry	Synergistic inhibition of corrosion of mild steel through binary and ternary systems containing zinc Ions, HEDP and Organic additives.	2002	Part-time
20.	Sri NajeebUllakhan 441, Rukanpur, Shikohabad –205 135 UP	Dr. P. Bangaru Babu Asst. Prof. of Mechanical Engg., NIT, Warangal	Mech. Engg,	The Role of Rayleigh Damping In the Vibrations of square and Rectangular Plates	2002	Part-time
21.	Sri R. Dhayanithi Physical Director, NIT, Warangal	Dr. P. Ravi Kumar, Physical Director, NIT, Warangal	Physical Edn.	Training and Detranining of Continuous and alternative Pace Endurance Running on Selected Physical and Physiological Variables among Boys	2002	Part-time
22.	Sri K Srimanth H.No. 25-8-543, Bapuji Nagar, Kazipet	Dr. V. Rajeswara Rao Lecturer in Chemistry NIT, Warangal	Chemistry	Synthesis of Certain New Sulphur Heterocyclic Systems at 3rd position of 2 H-1 Benzopyran – 2 ones as Anti tubercular and Anticancer Agents	2002	Part-time
23.	Sri M.K.S. Sastry	Prof. PV Ramana Rao Prof. of Electrical Engg., NIT, Warangal	Electrical Engg.	New Algorithms for Relay Coordination Fault Section Estimation Supply Restoration and Power Transf-ormer Protection	2002	Part-time
24.	Sri V. Venugopal Reddy Asst. Prof. of Mechanical Engineering Annamacharya Institute of Technology, Ramjampet, Cuddapah	Dr. C.S.P. Rao Asst. Prof. Of Mechanical Engg., NIT, Warangal	Mecha-nical Engg.	Capacity Utilization and Scheduling of Manufacturing systems using Analytical and Simulation Techniques	2002	Part-time.

25.	Sri P. Ramesh Reddy Physical Director, KITS, Yerragattu, Warangal	Dr. P. Ravi Kumar, Physical Director, NIT, Warangal	Physical Education	A Comparative study of Yogasanas and Aerobic Dance and their effects on Selected Motor Fitness Components in girl students	2003	Part-time
26.	Sri T.D. Gunne-swara Rao Lecturer in Civil Engg. Dept, NIT, Warangal	Dr. D. Rama seshu Asst. Prof. of Civil Engg. NIT, Warangal	Civil Engg.,	Effect of Inclusion of Steel Fibers on the Behaviour of Reinforced Concrete Beams under Different Torrisional States	2003	Part-time
27.	Sri P. Srinivasa Rao C/o. Sri Srinivasa Jr. College, Vuyyuru 521 165	Prof. G. Radha krishnama charya Prof. of Mathematics NIT, warangal	Mathe-matics	Some Problems in Magnetic Fluid Flows through Constricted Tubes	2003	Part-time
28.	Sri A. S. V. Ravi kanth Lecturer in Mathematics, NIT, Warangal	Prof. Y.N. Reddy Prof. of Mathematics NIT, warangal	Mathe-matics	Numerical Treatment of Singular Boundary Value Problems	2003	Part-time
29.	Smt. K.S. Nayanathara Plot No.67, Parthasarathy Nagar ,Near Doctor's Colony, Kurnool – 518 002	Prof. J. Srihari Rao Prof. Of E.C.E NIT, Warangal	E.C.E	Some studies on slot coupling Between Rectangular waveguides using Method of Moments	2003	Part-time
30.	Sri C.N.V Satyanarayana Reddy H.No 1-7-1334 Road No. 5 Advocates Colony, Hanamkonda – 506 001	Prof. N.V. Rama Murthy Prof. of Civil Engg. NIT, Warangal	Civil Engg.	SBC based design and performance aspects of reinforced flexible pavements with anchored geotextiles over expansive soil subgrades	2003	Part-time
31.	Sri P. Srinivasu S/o. Sri P. Nageswara Rao, Ramalayam Bazar Karamchedu - 523 168 Prakasam	Prof. P. Nage-swara Rao Prof. Of Chemistry NIT, Warangal	Chemistry	Synthesis and catalytic studies of zeolites for organic transformations	2003	Part-time
32.	Sri T. Thirupathi Reddy H.No 1-7-926, Advocates Colony, Hanamkonda-506 001 Warangal	Prof. M. Kanaka-lingeswara Rao Prof. of Chemistry NIT, Warangal	Chemistry	Stereoselective synthesis and applications of β - Azidoalcohols	2003	Part-time
33.	Sri Sunny Abraham Edamala House Moolamattam Idukki Dist Kerala	Prof. M. Kanaka-lingeswara Rao Prof. of Chemistry NIT, Warangal	Chemistry	Studies directed towards the total synthesis of (+)-Discodermolide	2003	Part-time

34.	Sri K. Ramesh Asst. Prof. & Head of Civil Engg. Dept. KL College of Engg., Vaddeswaram	Dr. D. Rama Seshu Asst. Prof. Of Civil Engg. NIT, Warangal	Civil Engg.	Study of Hybrid Ferrofibre concrete (HFFC) under Axial Compression and its application in Flexure	2003	Part-time
35.	Sri Md. Moinuddin Ahmed C/o Dr. J.S. Yadav Director, Organic – I,I.I.C.T. Taranaka, Hyderabad – 500 007	Prof. I. Ajit Kumar Reddy Prof. of Chemistry NIT, Warangal	Chemistry	Studies directed towards the total synthesis of Scytophycin C"	2003	Part-time
36.	Sri K. Durga Prasad Plkot No. 25, Vengal Rao Nagar, Hyderabad – 38	Prof. G.V.P. Chandramouli Prof. of Chemistry NIT, Warangal	Chemistry	Synthesis of Novel Nitrogen Heterocycles: Synthesis of New analogues of omeprazole and paroxetine	2004	Part-time
37.	Sri G. Amba Prasada Rao Lecturer in M.E.D NIT, Warangal	Prof. P. Rama mohan Prof. of Mech. Engg. NIT, Warangal	Mechanical	Investigations on Bio diesel as a Diesel Engine Fuel	2004	Part-time
38.	Sri B. Srinivasa Reddy No. 310 Sai Nilaya Estate Yellareddyguda Hyderabad -38	Prof. B.V. Appa Rao Prof. of Chemistry NIT, Warangal	Chemistry	Corrosion Inhibition of copper in Aqueous Environment using substituted purines and Thiopyrimidines	2004	Part-time
39.	Ms. G. Madhavi H.No. 2-2-1125/110, New Nallakunta Hyderabad -44	Prof. K. Laxma Reddy Prof. of Chemistry NIT, Warangal	Chemistry	Side chain alkylation Reactions over alkali and alkaline earth metal Ion-modified Zeolite Molecular sieves	2004	Part-time
40.	Sri P. Narsimha Reddy S/o. Sri C. Chandra Reddy H.N0 2-5-333,Nakkalagutta	Dr. B . Rajitha Asst. Prof. Of Chemistry NIT, Warangal	Chemistry	Synthesis and Bio logical Activity of New Heteroaryl Chromen –2-ones, Chromen –4 ones and Porphyrins	2004	Full-time
41.	P. Rathish Kumar Lecturer in Civil Engg., NIT, Warangal	Prof.C.B.Kame-swara Rao Prof. of Civil Engg. NIT, Warangal	Civil Engg.	A study on ferrocement with High Performance mortar (FHPM) in Bi-Axial States of Stress	2004	Part-time
42.	Ms. V. Geetha 4, Subramanian Koil Street, Kathir Kaman, Pondicherry – 605 009	Dr. B. Rajitha Asst. Prof. of Chemistry NIT, Warangal	Chemistry	Stereo selective synthesis of some biologically active compounds	2004	Part-time
43.	Sri Mallikarjun N Dandigi Lecturer in Civil Engg. PDA College of Engg., Gulbarga – 585 102 (KA)	Prof. K.V. Jaya-kumar Prof. of Civil Engg., NIT, Warangal	Civil Engg.	Experimental Studies on treatments of settled municipal waste water using constructed wetlands	2004	Full-time

44.	Sri Ch. Srinivasulu H.No. 2-442/471, Central Excise Colony, Subedari, Hanamkonda Warangal – 506 001	Prof. G. Radha-krishnamacharya Prof. of Mathematics NIT, Warangal	Mathema-tics	Peristaltic Transport: Effects of Wall Properties	2004	Part-time
45.	Sri TKV Raghava charyulu, # 10-35/12 Patel Nagr, Gaddi Annaram Hyd.-500 060.	Prof.G.Radha-krishnamacharya Professor of Mathematics, NIT, Warangal.	Mathema-tics	Stokes Flows past and within a prous approxi- mate sphere	2004	Part-time
46.	Sri G.Bhaskar 34, RKV Nagar First Street Erode-638 003 Tamil nadu	Prof. N.V.Rama Moorthy, Professor of Civil Engineering NIT, Warangal	Civil Engg.	Strategic Appraisal of Human Resource functions of state Transport undertakings for profitability using Artificial Neural Network	2004	Part-time
47.	Sri P.Pramood Chakravarthy Podilavaripalam Balusulapalem-PO Cherukupalli(M) Guntur-522309	Prof. Y.N.Reddy Professor & Head Dept. of Maths & Humanities, NIT, Warangal	Mathema-tics	Numerical Methods for solving singularly perturbed two point boundary value problems	2004	Part-time
48.	Sri B.Prasanna H.No.8-7-121 Govindarajulagutta Warangal	Prof.G.V.P Chandramouli Professor & Head Chemistry Dept. NIT, Warangal	Chemistry	Studies on Synthesis and Anti-microbial activity of Novel Sulphur Hetero- cycles	2004	Full-time
49.	Sri N.Selvaraj Lecturer in Mech. Engg. NIT, Wgl.	Dr. C.S.P.Rao Asst. Professor, Mech. Engg. Dept NIT, Warangal	Mecha-nical Engg	Performance Evaluation of Pull production control Mechanisms using Analytical and simulation approaches	2004	Part-time
50.	Sri N.Srinivasa Reddy Lecturer in CED KITS, Warangal	Prof. N.V.Rama Moorthy, Professor & Head Civil Engg. Dept. NIT, Warangal	Civil Engg	Modelling Urban form and Structure using Transportation Planning Techni-ques for Small and Medium cities	2004	Part-time
51.	Sri B. Raghavendra # 2-10-804, Saibaba Colony, Opp.Forest Office Subedari, HNK.	Prof. N.V.Rama Moorthy Professor & Head Civil Engg. Dept. NIT, Warangal	Civil Engg	Development of Volume Based Trip Generation Models and combined Distri-bution and Assign-ment Model with Feedback Mechanism for simplified Urban Transportation Planning	2004	Full-time

52.	Smt. P. Narmada # 2-5-815, Travellor's bungalow, Subedari, HNK.	Prof.B.V.Appa Rao, Professor of Chemistry, NIT,Warangal.	Chemistry	Corrosion Inhibition of Mild steel and copper in Aqueous Environment using synergistic formulations	2004	Full-time
53.	Sri J.Ravi Sankar, # 27-9-9, Sriramapuram, Bhimavaram 534 202 WG Dist.	Prof. N.V. Uma Mahesh, Professor of Civil Engg. NIT, Wgl.	Civil Engg.	GIS Based Simulation Model for Integrated Municipal solid waste Management	2005	Part-time
54.	Sri V.Charles C/o.Dr. Debashis Dutta, Asst. Professor of Mathematics, NIT, Warangal	Dr. Debashis Dutta, Asst. Professor Of Mathematics, NIT, Warangal.	Mathematics	Optimization of Stochastic Fractional Programming Problems	2005	Full-time
55.	Sri PVSSR Krishna S/o. Sri PV Chalapathi Sarma # 1-3/27-9/11 Sri Ganesh Nilayam Rama Raja Nagar Vijayawada – 520 012.	Dr.D.Srinivasacharya, Lecturer in Mathematics, NIT, Warangal.	Mathematics	Some Studies on Convective Transport in a Fluid Saturated Porous Medium	2005	Part-time
56.	Sri S.Ramakrishna Reddy Flat No.102, Revathi Towers Dilsukhnagar Hyderabad (A.P.)	Dr.B.Rajitha Asst. Professor Dept.of Chemistry NIT, Warangal	Chemistry	Heterofunctionalization of Olefins by a Pendant Sulfoxide as the Nucleophile and its application to the Synthesis of some Biologically Active Molecules	2005	Part-time
57.	Smt. V.Geetha Vani W/o. Sri E.Srinivasulu, # 2-6-1510/4/E, Srinivasa Residency Srinivasa Nagar Hanamkonda	Prof. TKV Iyengar Professor of Mathematics, NIT, Warangal	Mathematics	Axisymmetric Problems in Micropolar and couple stress Fluid flows	2005	Full-time
58.	Smt. K.Christin, # 2-10-876 Bank Colony, Waddepally Post, Warangal-506370.	Prof. B.V.Appa Rao, Prof. of Chemistry NIT, Warangal	Chemistry	Corrosion Inhibition of Mild Steel using N-(2-hydroxyethyl) iminobis (methylphosphonic Acid)and Inorganic and Organic Synergists	2005	Full-time
59.	Sri M.Madan Mohan Reddy # 2-3-64/1/47/A/47 Tirumala Nagar Amberpet, Hyd. – 500 013.	Dr.V.Rajeshwara Rao, Lecturer in Chemistry, NIT, Warangal.	Chemistry	Synthesis and Biological Activity of some 3-Hetero cycly Coumarins	2005	Part-time

60.	Sri K.V.Krishna Reddy Flat No.401, Vijaya Sikhara Enclave, Ramamurthy colony Mehidipatnam, Hyderabad-500028	Prof. N.V.Rama Moorthy Professor & Head Civil Engg. Dept. NIT, Warangal	Civil Engg	Performance Evaluation of Flexible Pavements on Stabilized Subgrade with Modified surface course using Accelerated Pavement Testing	2005	Part-time
61.	Mr. KVN Srinivasa Rao Roll No. 709808	Prof. G. Venkat Reddy Dr. AV Narasimha Rao	Mechanical Engg.	Combustion of biomass fuels and heat transfer studies in fluidized bed	2005	Part Time
62.	Smt. M.Rajitha, Nakkalagutta, Hanamkonda, Warangal.	Prof. N.V.Rama Moorthy Professor & Head Civil Engg. Dept. NIT, Warangal	Civil Engg.	Development of Performance based Design and Appraisal of steel fiber placed in critical Regions of Rigid Pavement.	2006	Part-time
63.	Sri J.S.Srinivasa Rao	Prof. C.B.Kames-wara Rao, Civil Engg. Dept. NIT, Warangal.	Civil Engg.	Shape and Texture of course Aggre-gate as a parameter for concrete Mix proportioning.	2006	Full-time
64.	Sri E.Venkatara-thnam Lecturer, CED, NIT, Warangal.	Prof. K.V. Jaya kumar Civil Engg. Dept.	Civil Engg.	Urban Runoff simulation and optimistion of storm- water detention ponds storage releases.	2006	Part-time
65.	Sri B.Siva Prasad Reddy Lecturer, KITS, Warangal.	Dr.C.S.P.Rao, Asst. Professor, Mech. Engg.Dept. NITW	Mech. Engg.	Simultaneous scheduling of Machines and AGVs in FMS using Evolutionary Algorithms and perfor-mance Evaluation through simulation	2006	Part-time
66.	Sri A.Venu Vinod Lecturer, NIT, Warangal.	Prof. G.V.Reddy, Chemical Engg. Dept.	Chemical Engg.	Studies on Bio-degradation of Phinolic waste water Fluidized Bed Bio-reactor	2006	Part-time
67.	Sri K.Madhu-sudhan Reddy	Prof.A.R.C.Reddy Physics Dept.	Physics	Studies on Nano-crystalline Titanium Dioxide Synthesis characterization and Application	2006	Full-time
68.	Sri G.V.Panakala Rao	Dr.B.Rajitha, Asst. Professor, Chemistry Dept.	Chemistry	Synthesis of Biologically Active Heterocycles by Micro-wave irradi-ations and phase Transfer Catalysis.	2006	Full-time

69.	Sri N.Chandra-sekhara Rao,	Prof.K. Laxma Reddy Chemistry Dept.	Chemistry	Sequencing Batch Reactor Techno-logy for the Treat-ment of complex chemical process waste water	2006	Full-time
70.	Sri K.V.V.Krishna Mohan,	Prof. I.Ajithkumar Reddy, Chemistry Dept.	Chemistry	Zeolite Molecular sieves for organic synthesis	2006	Full-time
71.	Sri P.Vijay Kumar Reddy	Prof.GVP.Chandra mouli Chemistry Dept.	Chemistry	Synthesis and Biological activity studies of New fused Hetero-cycles containing Two sulphur atoms	2006	Full-time
72.	Sri G.S.Bhaskara Rao	Prof.TKV.Iyengar Maths & Humn. Dept.	Maths	Micropolar and couple stress fluid flows through circular and Rectangular pipes.	2006	Full-time
73.	Ms. P.Aparna	Dr.J.V.Ramana Murthy, Asst. Prof., Maths & Humn.Dept.	Maths	Micropolar and couple stress fluid flows about a permeable sphere.	2006	Full-time
74.	P. Harikrishna, Lecturer, Civil Engg. Dept. NIT, Warangal	Dr. V.Ramana Murthy, Lecturer, NITW	Civil Engg.	A study on the use of Granular Anchor Price to Central Heave of Footings Restings on Expan-sion Soils	2006	Part-time
75.	D.G.Regulwar	Prof. P.Anand Raj Dept. of Civil Engg. NIT, Warangal	Civil Engg.	Multi objective multi reservoir optimi-zation in Fuzzy Environment for River sub-basin Development and management	2006	Full time
76.	K.Thirupathi Rao	Prof. K.V. Jayakumar Dept. of Civil Engg. NIT, Warangal	Civil Engg.	Irrigation Schedu-ling Based on Soil Moisture studies and crop yield under water Deficit condition	2006	Full time
77	P. Naveen Kumar	Dr. GVP Chandramouli, Professor.	Chemistry	Synthesis and biological activity studies of novel types of oxygen and sulphur containing fused heterocycles	2006	Full time
78.	S.Srinivasa Rao	Dr.Bhagwan K.Murthy Assistant Professor Dept. of Elect.Engg NIT, Warangal.	Elect. Engg	A New Scalar Control strategy for Extracting Maximum power from a wind or wave energy Turbine using a Squirrel cage induction Generator	2007	Part-time
79.	N.V.Srikanth	Prof.DM.Vinod Kumar Dept. of Elect.Engg NIT, Warangal	Elect. Engg	Design and Analysis of Fuzzy – Facts Based power system stabilizers for Enhancement of small	2007	Part-time

80.	K.Eswaraiah	Prof. C.S.P.Rao Dept.of Mech.Engg NIT, Warangal	Mech.Engg	Simultaneous Formation of cells and Cellular Layouts and their performance studies using Group-ing Genetic Algorithm and Simulation	2007	Full-time
81.	P.Ravi Kumar,	Dr.S.Srinivasa Rao Asst. Professor Dept.of Mech.Engg NIT, Warangal.	Mech.Engg	Heat Transfer in Studies in CI Engines	2007	Part-time
82.	M.Raj Kumar	Prof.GVP Chandra Mouli, Dept. of Chemistry NIT, Warangal	Chemistry	Towards the total synthesis of Macrotactin – A and Synthesis of Furopyran ones	2007	Full – time
83.	Jayant Chandrakant Burse R.No. 709809	Prof. M. Hanu-mantha Rao	Metallurgical Engg.,	Development and Study of Zinc-Aluminium Super Bush-Bearing Materials	2008	Part-time
84.	Narendra Arora R.No. 700214	Prof. C.B. Kame-swara Rao	Civil Engg.,	A study on Torsional Response of Ferro-cement Hollow Box section and Ferro-cement skinned Rein-forced concrete solid section	2008	Full-time
85.	V. Siva Kumar R.No. 700206	Prof. I. Ajit Kumar Reddy	Chemistry	Development of an Efficient process for the synthesis of Dimethyl Ether and Methanal using novel Bi-functional Catalysts	2008	Part-time
86.	B. Basavaraja R.No. 700201	Prof. D.V.S.S.Siva Sarma	Electrical Engg.	Studies on Tran-sient Effects of PWM Inverters on Rotating Machines	2008	Part-time
87.	V. Ravinder Reddy R.No. 700038	Dr. V. Rajeswara Rao	Chemistry	Synthesis of New types of 3-Heteryl-2H-1-Benzopyran 2-ones	2008	Full-time
88.	Ponnamaneni Vijaya Kumar R.No. 700410	Dr. V. Rajeswara Rao	Chemistry	Synthesis and Biological Activity studies of novel types of 3-Heteryl-2H-1-Benzopyran-2-ones	2008	Full-time
89.	Shaik Abdul Gafoor R.No.700418	Dr.P.V.Ramana Rao	Electrical Engg.	Wavelet based protection schemes for power system components	2008	Part-time
90.	V. Vijaya Kumar Reddy R.No. 709904	Prof. M. Sydulu	Electrical Engg.,	New Algorithms for Distribution system studies	2008	Part-time
91.	V. Naveen Kumar R.No. 700408	Dr. B. Rajitha	Chemistry	Synthesis of some novel substituted coumarins and related porphyrins and their biological activity	2008	Full-time

92.	S. Srinivas R.No. 700401	Dr. V.T.Soma-sekhar	Electrical Engg.,	Investigations on space vector modul-ation schemes & placement of zero-vector in a three-level Dual-Inverter Fed open end winding Induction motor drive	2008	Part-time
93.	M. Venkateswara Rao (R.No. 709921	Prof. B. V. Appa Rao	Chemistry	Synergistic Inhi-bition of corrosion of carbon steel using N,N-Bis (phosphonomethyl) glycine zinc ions and organic / inorganic additives	2008	Full-time
94.	G.V.K.S. Vara Prasad R.No. 700010	Prof. N.V. Uma-mahesh	Civil Engg.	Optimal design of water distribution network for uniform supply in Intermittent system	2008	Part-time
95.	Ch. Srinivas R.No. 700144	Prof. C.S.P. Rao	Mechanical Engg.	Optimization of supply chains for consignment stock policy using analytical and evolutionary algorithms	2008	Part-time
96	M. Joseph Davidson Roll No. 700608	Prof. G.R.N. Tagore	Mechanical Engg.	Investigation on thin walled AA 6061 Tubes formed by Flow-Forming Process	2008	Part time
97	K. Manohar Reddy Roll No. 700035	Dr. V. Rajeswara Rao	Chemistry	Synthesis of some new Sulphur Heterocyclic Systems at 3rd and 8th position of 2H-1-benozopyran-2-ones	2008	Part time
98	K. Maruthi Prasad Roll No. 700520	Prof. G. Radhakrishnama-charya	Mathematics and Humanities	Peristaltic Transport and Stenetic Region Flows: Effects of Non-Newtanian Fluids	2008	Full Time
99	Mrs. M. Sailaja Kumari	Prof. M. Sydulu	Electrical Engg	Multi-Objective Optimal Power Flow Solution using Evalutionary Computation Techniques	2008	Part Time
100	Mekonnan Shifraw Roll No. 700602	Dr. D. Srinivasacharya	Mathematics and Humanities	Flow of Micropolar Fluid through Channels and pipes in the presence of a Magnetic field	2009	Full Time
101	Swapnil D. Anjikar Roll No. 700618	Prof. G.R.N. Tagore	Mechanical Engg.	Form accuracy analysis of Rapid Prototyping parts through integrated quality inspection.	2009	Full time
102	D. Srikanth Roll No. 700419	Dr. D. Srinivasacharya	Mathematic s and Humanities	Effect of Catheterization of Polar Fluid Flow in constricted tubes	2009	Part time

103	Awake Andargie Tiruneh Roll No. 700603	Prof. Y.N. Reddy	Mathematics and Humanities	Numerical Treatment of a class of Singular Perturbation Problems	2009	Full Time
104	Mrs. Jyothi Prasad Roll No. 700015	Prof. K.V. Jayakumar	Civil Engg	Performance Evaluation Model for Irrigation Systems under Different Hydrometereological Conditions Using Comparative Indicators	2009	Part Time
105	Mr. Suresh M Sawant Roll No. 700619	Dr. C. Gururaja Rao	Mechanical Engg	Parametric Studies and Correlations for Conjugate Mixed Convection with Surface Radiation from Uniformly and Discretely Heated Vertical Plates	2009	Full Time
106	Odelu Ojjela Roll No. 700411	Dr. N. Srinivasacharyulu	Mathematics	Viscous, Micropolar and Couple Stress Fluid Flows Between Porous Parallel Plates	2009	Full Time
107	Mr. Janganati Venumadhav Roll No. 700517	Dr. B. Rajitha	Chemistry	Studies on the Synthesis of Biologically Active Nitrogen and Sulphur Fused Heteroaryls by Using New Reagents	2009	Full Time
108	Masabathula Devakar Roll No. 700519	Prof. T.K.V. Iyengar	Mathematics	Some Undirectional unsteady Flows of Micropolar and Couple Stress Fluids	2009	Full Time
109	G. Srinivasa Rao R.No. 700016	Dr. A. Neelakanteswara Rao	Mechanical Engg.,	Parametric Studies in Turning using Design of Experiments and Taguchi Approaches	2009	Part Time
110	D. Sree Ramulu Roll No. 700607	Prof. C.S.P. Rao	Mechanical Engg.,	Shop-floor Programming System for Integration of CAD and CAM using STEP Data Exchange Standard	2010	Full Time
111	Loka Pavani Roll No. 700412	Prof. Y.N. Reddy	Mathematics	Numerical Solutions of Singular Perturbation Problems	2010	Part Time
112	M. Mohan Babu Roll No. 700516	Prof. G.V.P. Chandramouli	Chemistry	Synthesis of Heterocyclics using 1-Butyl-3-Methylimidazolium Tetrafluoroborate as Ionic Liquid	2010	Full Time
113	T. Vamshi Krishna Roll No. 700414	Dr. Debashis Dutta	Mathematics	Some Mathematical and Statistical Studies of Dispersion of Air Pollution	2010	Full Time

114	Gopal Charan Behera Roll No. 700522	Prof. C.B. Kameswara Rao	Civil Engg.	A Study on Torsional Behaviour of reinforced concrete beams with ferrocement "U" Wraps	2010	Full Time QIP
115	L. Anjaneyulu Roll No. 700147	Prof. N.S. Murthy	Electronics & Comm. Engg.	Classification of Low SNR LPI Radar Signals	2010	Part Time
116	Syed Kaleemuddin Roll No. 700518	Dr. G. Amba Prasad Rao	Mechanical Engg.	Performance and Emission Improvement on HSDI Diesel Engine with Variable Fuel Injection Cam Concept and Gaseous Fuels	2010	Part Time
117	Sai Lakshmi Radhika Tantravahi Roll No. 700515	Prof. T.K.V. Iyengar	Mathematics	Micropolar and couples stress fluid flows past porous spheroidal bodies	2010	Part Time
118	Mr. Narendra Kumar Bahali Roll No. 700523	Dr. J.V. Ramana Murthy	Mathematics	Some Micropolar Fluid Flows through Rectangular and circular Ducts	2010	Full Time QIP
119	G.V. Praveen Roll No. 700505	Dr. V. Ramana Murthy	Civil Engg.	Cement Modified Marginal Backfills for Mechanically stabilized Earth Walls with Built-in Facing	2010	Full Time QIP
120	P. Nageswara Rao	Prof. N.V.S.N. Sarma	Electronics & Comm. Engg.	Some Investigations on Fractal Boundary Linear and Circularly Polarized Microstrip Antennas	2010	Full Time

b) DETAILS OF THE Ph. D AWARDED FROM 1.7.2009 TO 30.6.2010

Sl. No.	Name of the Scholar	Department	Supervisor	Title of the Research
1	G. Srinivasa Rao R.No. 700016	Mechanical Engg.,	Dr. A. Neelakanteswara Rao	Parametric Studies in Turning using Design of Experiments and Taguchi Approaches
2	D. Sree Ramulu Roll No. 700607	Mechanical Engg.,	Prof. C.S.P. Rao	Shop-floor Programming System for Integration of CAD and CAM using STEP Data Exchange Standard
3	Loka Pavani Roll No. 700412	Mathematics	Prof. Y.N. Reddy	Numerical Solutions of Singular Perturbation Problems
4	M. Mohan Babu Roll No. 700516	Chemistry	Prof. G.V.P. Chandramouli	Synthesis of Heterocyclics using 1-Butyl-3-Methylimidazolium Tetrafluoroborate as Ionic Liquid
5	T. Vamshi Krishna Roll No. 700414	Mathematics	Dr. Debashis Dutta	Some Mathematical and Statistical Studies of Dispersion of Air Pollution
6	Gopal Charan Behera Roll No. 700522	Civil Engineering	Prof. C.B. Kameswara Rao	A Study on Torsional Behaviour of reinforced concrete beams with ferrocement "U" Wraps
7	L. Anjaneyulu Roll No. 700147	Electronics & Communication Engineering	Prof. N.S. Murthy	Classification of Low SNR LPI Radar Signals
8	Syed Kaleemuddin Roll No. 700518	Mechanical Engineering	Dr. G. Amba Prasad Rao	Performance and Emission Improvement on HSDI Diesel Engine with Variable Fuel Injection Cam Concept and Gaseous Fuels
9	Sai Lakshmi Radhika Tantravahi Roll No. 700515	Mathematics	Prof. T.K.V. Iyengar	Micropolar and couples stress fluid flows past porous spheroidal bodies
10	Mr. Narendra Kumar Bahali Roll No. 700523	Mathematics	Dr. J.V. Ramana Murthy	Some Micropolar Fluid Flows through Rectangular and circular Ducts
11	G.V. Praveen Roll No. 700505	Civil Engineering	Dr. V. Ramana Murthy	Cement Modified Marginal Backfills for Mechanically stabilized Earth Walls with Built-in Facing
12	P. Nageswara Rao Roll No. 700621	Electronics and Communication Engineering	Prof. N.V.S.N. Sarma	Some Investigations on Fractal Boundary Linear and Circularly Polarized Microstrip Antennas

c). Number of Ph.Ds awarded from 1.07.2009 to 30.06.2010

Civil Engineering	:	02
Mechanical Engineering	:	03
E.C.E.	:	02
Chemistry	:	01
Mathematics	:	04
	Total:	**12**

5.3 Proposed Plan for Research

A) FUNDED BY MHRD

Scheme : MOD

Name of the Project / Coordinator	Sanction Letter and Date	Amount Sanctioned Rs. in lakhs	Status of the Project
Modernization of EDA Laboratory - **Prof. N.S.Murhy,** ECE	F.28-4/2002.TS.V Dt. 31-03-2003	10.00	On going
Modernization of 'Problem Oriented Research Laboratory in Electronics Instrumentation'. – **Prof. N.S. Murthy,** ECE	F. 28-1/2004.TS.V Dt. 31-03-2005	10.00	On going
Establishment of Optical Communication Laboratory - **Dr. N.V.S.N. Sarma**	TS – 5; 27-1/2004	12.00	On going

Scheme : **TAT**

Implementation of Efficient Switching Algorithms with Digital Signal Processor for Multilevel Inverter Configuration with Open-End Winding Induction Motor – **Dr. V.T. Somashekar,** Electrical Engg.	F.28-34/2003.TS.V Dt.16-12-2003	6.00	On going
Establishment of Optical Communication laboratory- **Prof. N..S.N. Murthy,** ECE	F.27-1/2004.TS.V Dt. 31-03-2005	12.00	On going

Scheme: **R & D**

High Quality Low cost Ferro cement Housing - **Dr. V. Ramana Murthy,** Civil Engg.	F.26-4/2002.TS.V Dt. 31-03-2003	5.00	On going
Rainwater Management for ground Water Recharge in Hard Rock Terrain – A Remote Sensing and GIS based Approach - **Dr.Deva Pratap,** Civil Engg.	F.26-14/2003.TS.V Dt. 14-01-2004	15.00	On going
Reliability Enhancement of AC Adjustable Speed Drivers – **Dr.D.V.S.S. Siva Sarma,** Electrical Engg	F.26-14/2003.TS.V Dt. 14-01-2004	5.00	On going
Implementation of Distributed Shared memory system based in Page based memory management unit – Prof.T.Ramesh & Sri Ch.Sudhakar	B4/F.V-1(1)/2005-06/ 1379	10.00	On going
Information Security Education & Awareness Project (ISEAP) – Prof.B.B.Amberkar & Smt.G.Geetha Kumari	No. 6(2)/2004/ISEA/ Vol. 2 dt. 8.12.2005	3.22	On going

Development of Methods of removal of Arsenic from Industrial Effluents by Bio-sorption and species alteration – **Prof.K.Laxma Reddy,** Chemistry	F.26-14/2003.TS.V Dt. 14-01-2004	15.00	On going
Pusatile Flows with Boday Forces – **Dr.D.Srinivasacharya,** M & H	F.26-14/2003.TS.V Dt. 14-01-2004	3.00	On going
Micro controller Based Phtoplethysmography Sensors for Cardiac Function Studies- **Dr.L.R.G.Reddy,** Physics	F.26-14/2003.TS.V Dt. 14-01-2004	14.00	On going
Fluidized Bed Combustion of Agro-wastes – **Prof. G. Venkat Reddy,** Chemical Engg.	F.26-11/2004.TS.V Dt. 31-03-2005	18.00	On going
Studies on Modelling and Noise Reduction in VLSI Interconnect Structures in the Deep Submicron Regime – **Prof. N.S. Murthy,** ECE	F.26-11/2004.TS.V Dt. 31-03-2005	8.50	On going
Distributed Shared Memory Implementation Using Page Based Memory Management Unit – **Prof. T. Ramesh,** CSE	F.26-11/2004.TS.V Dt. 31-03-2005	10.00	On going
Development of Efficient Models for Frequency Related Availability Tariffs in Deregulated Environment – **Dr. N. Subrahmanyam,** Electrical Engg.	F.26-11/2004.TS.V Dt. 31-03-2005	7.00	On going
Development of Low Voltage High Current Power Supply – **N. Vishwanathan,** Electrical Engg.	F.26-11/2004.TS.V Dt. 31-03-2005	12.00	On going
Advanced Fiber Optical Sensor Systems for Multiparameter Sensing - **Prof. K. Srimannarayana,** Physics	F.26-11/2004.TS.V Dt. 31-03-2005	12.00	On going
Development of Responsive Intelligent Manufacturing System – **Dr.C.S.P. Rao,** MED	F.26-11/2004.TS.V Dt. 31-03-2005	20.00	On going
Surface Modification of Ti Alloys used for biomedical Implants – **Dr. G.V.S. Nageswara Rao,** Met. & Mat. Engg.	F.26-11/2004.TS.V Dt. 31-03-2005	10.00	On going
Design and development of learning system for intrusion Tolerant Database System Prof. T. Ramesh / **Prof. DVLN. Somayajulu**		21.6 lakhs	Completed
Development of Biodegradable Bone Materials **Dr. Asit Kumar Khanra**	No. Deans Office/2008/181, 10-11-2008	1.0	ongoing
Distributed shared Memory Implementation using page based memory unit sanctioned to **Prof.T.Ramesh**		10 lakhs	In progress
Information Security Education Awareness Project sanctioned to **Prof.B.B.Amberker**	No.6(2)/2004-ISEA (Vol.II) Date: 8.12.2005		In progress

Developing suitable pedagogical methods for various classes, intellectual calibers and research in e-learning for the course Engineering Hydrology- **Prof. N.V. Umamahesh and Mr. V.N. Kameswara Rao**	October 2009	Rs. 2.75 lakhs	Ongoing
Developing suitable pedagogical methods for various classes, intellectual calibers and research in e-learning for the course Environmental Engineering – **Dr. T. Shashidhar and Dr. P. Hariprasad Reddy**	October 2009	Rs.2.75	Ongoing

b) Scheme: DRDL

Ongoing Cars Vibration Control Of Aerospace Structures Using Layered Damping - **P.Bangaru Babu**	03.06.08	4.95 Lakhs	
Higher Order Spectral Estimation for identification of LPI Radar Signals – **Sri. L. Anjaneyulu**		9.5 lakhs	Under progress
Vibration control of Aerospace structures - **Prof.Bangarubabu**		4.95 lakhs	Ongoing

c) Funded by other agencies

Ministry's Sanction order No and Date	Title of the Project	Name of the Project Coordinator	Amount in Rs.	Remarks
July 2001	Synthesis of New 3-Heteroaryl Coumarins as Potential Anticancer Agents	Dr.V. Rajeswar Rao, Chemistry	3,16,804	Ongoing
31-03-2003	Design and Synthesis of Heteroaryl Porphyrins as Possible Anti – Cancer Agents	Dr.B. Rajitha, Chemistry	2,52,560	Ongoing
29-05-1998	Techno Economic Analysis of Impact of Environmental Pollution due to Selected Medium and Small Scale Industries.	Dr. K. Padma Mathematics & Humanities	5.00	Ongoing
04-09-2003	Studies on Substrate Transfer Rates from Liquid Phase to Bioparticle in Fludized Bed Bio Particle	Prof. G. Venkat Reddy Chemical Engg.	8.85	Ongoing
01-01-2004	Intelligent Transmission Management in Power System Deregulated Environment	Dr. M. Vinod Kumar, EEE	1.00	Ongoing
01-07-2004	Study on Simulation of Smart Jamming Techniques for voice and data formatted signals under varying S/N conditions	Prof. N.S. Murthy, ECE	9.70	Ongoing
08-01-2004	Fiber Bragg Grating Sensor for Engineering Measurements	Prof.K.Srimannaray ana, Physics	12.57	Ongoing

Ministry's Sanction order No and Date	Title of the Project	Name of the Project Coordinator	Amount in Rs.	Remarks
AR&DB Project DARO/08/2031 444 M/IGOI, Ministry of Defence Dated 10th April,2008	Improvement of Tribological properties of Titanium Alloys	Dr. G.V.S. Nageswara Rao	17.14 lakhs	
R&D Project Naval R&D (DNRD) (2008-2010)	Studies on Corrosion Behaviour of Nickel-based Superalloy for Appliction as Fasteners in Marine Environment	Dr. M.K. Mohan	Approx. 19.0 lakhs	
	Optimization of media composition & process variables in citric acid production in a batch fermentor	K. Anand Kishore, Lecturer	60,000/-	
	Combined combustion of biomass fuels in fluidized bed	S. Srinath, Lecturer	80,000/-	
Naval Research Board, Govt. of India NRB-124/AAAT/07-08 dt: 8-11-07.	"Inhibitor formulation to combat corrosion and fouling of ship sea water cooling systems"	Prof. B.V. Appa Rao	9.88 lakhs	Ongoing
Faculty Research programme	Optimization of process parameters in Co_2 Moulding	K. V. Sai Srinadh & I. Ashok Kumar Reddy	0.3 lakhs	Completed
DST SR/FT/ET-071/2008 dt: May 21, 2009	End forming of thin walled tubes by induction forming process	Dr.Davidson	13.8 lakhs	Ongoing
DST	Rapid prototyping for dental surgical planning and implant placement	Sri Y.Ravi Kumar	15 lakhs	Ongoing
NIT Warangal	Effect of EDM process parameters on MRR, TWR and surface finish on Steel,PH-H Steel and titanium alloy	Dr.A.Kumar	1 lakh	Ongoing
DST, New Delhi	Investigation of the effect of approach angle on the performance of coated carbide inserts in face milling – modeling & optimization	Dr. A. Venugopal & Sri G. Venkateswara Rao	16.32 Lakhs	Ongoing
Ministry of Urban Development, Govt. of India	Center for Excellence in Urban Transportation Studies	Prof. CSRK Prasad	Rs. 5.8 crores	
UGC, New Delhi	Synthesis of New Heterocyclic Quinones as potential Antineoplastic Agents	Dr. V. Rajeswar Rao	Rs. 7.5 Lakhs	Ongoing
CSIR New Delhi	New Hetaryl Strylsulfones as Anticancer Agents	Dr. V. Rajeswar Rao	Rs. 7.9 Lakhs	Ongoing
CSIR New Delhi	Studies on the Synthesis and Biological Activities of Fused Hetero Aryl Chromenes with New Reagents	Dr. B. Rajitha	10.0 Lakhs	In Progress

Ministry's Sanction order No and Date	Title of the Project	Name of the Project Coordinator	Amount in Rs.	Remarks
CSIR	Rational Design and Synthesis of Dimerizable and Targetable Cationic Peptide Amphiphiles for Non-Viral Gene Delivery	Dr.P.V. Srilakshmi	10.0 Lakhs	In Progress
SR/FTP/ETA-35/08 dated: 01.04.2009	Rapid Prototyping for Dental Surgical planning and Implant Placement	Y. Ravi Kumar	15.00 lakhs	In progress
(24)/2005-ISA dated 2.12.2009	Information Security Education Awareness Project	Prof B B Amberker	39.18 lakhs	* Offering M. Tech in Information security. * Guiding several Ph.D and Master's students in the area of Information security
23.12.2009	Developing suitable pedagogical methods for various classes, intellectual calibers and research in e-learning – *Automata Theory and Formal Languages*	T Ramesh	10 lakhs	* Pilot work is completed. * Review is in progress
23.12.2009	Developing suitable pedagogical methods for various classes, intellectual calibers and research in e-learning – *Data Warehousing*	DVLN Somayajulu	10 lakhs	* Pilot work is completed. * Review is in progress
23.12.2009	Developing suitable pedagogical methods for various classes, intellectual calibers and research in e-learning – *Data Mining*	R B V Subramanyam	10 lakhs	* Pilot work is completed. * Review is in progress
23.12.2009	Developing suitable pedagogical methods for various classes, intellectual calibers and research in e-learning – *Cryptography and Applications*	B B Amberker	10 lakhs	* Pilot work is completed. * Review is in progress
23.12.2009	Developing suitable pedagogical methods for various classes, intellectual calibers and research in e-learning – *Problem Solving and programming*	S G Sanjeevi	10 lakhs	* Pilot work is completed. * Review is in progress
23.12.2009	Design and development of E-content generation and delivery management for student centric learning	Prof DVLN Somayajulu Prof B B Amberker	21 lakhs	* E-content for courses are under development as part of pilot project
ERIP/ER/0904497/M/01/1213 March 2010	Synthesis and Characterization of Z_rB_2 Powder and Z_rB_2 based composite powders	Asit Kumar Khanra	14,90,000	SRF recruitment under progress

Ministry's Sanction order No and Date	Title of the Project	Name of the Project Coordinator	Amount in Rs.	Remarks
No. 2009/36/70-BRNS/2390 dt. 7.12.09	CFD analysis of flow assisted corrosion (FAC) problems in pipes and pipe bends.	Dr. A. Venu Vinod, Assoc. Prof. (Co-investigator) PI: Dr. HP Rani, Dept. of Mathematics	28,78,150/-	-
DST/0156/2009	Synthesis, characterization and doping effect-studies of complex metal oxide nano particles; (twenty one lakhs only); DST-New Delhi	Dr. Vishnu Shanker	20 lakhs	FAST-Track
Dept. of Atomic Energy, BARC, Mumbai 2009-2011, No. 2009/36/70-BRNS/2390	CFD analysis of flow assisted corrosion (FAC) problems in pipes and pipe bends	CFD analysis of flow assisted corrosion (FAC) problems in pipes and pipe bends	Rs.27.3lakhs	

5.4 Sponsored Research and Industrial Consultancy (SRIC)

During the period 01.07.2009 to 30.06.2010 an amount of Rs.50,22,247=00 has been collected from various organizations towards consultancy / testing charges and the works are completed.

DETAILS OF CONSULTANCY ACTIVITIES

I. DEPARTMENT OF CIVIL ENGINEERING

(a) Geotechnical Division:

The major Consultancy beds include the Determination of under and Engineering properties of girls, bearing capacity, the strata Profiling, Characterization of foundation beds by SPT and also the Geo-technical investigations and suggestions for the failed earth dams, Mining shaft, and Monumental Structures.

The organizations involved were:

APHMHIDC – Karimnagar, Warangal, Khammam and Nizamabad;
APGENCO-KTPP Chelpur; JCR-GLIPD Chinthagattu;

R&B Division Warangal, Karimanagar, Khammam;

Irrigation &CAD - Warangal, Asifabad, Karimnagar, Adilabad and Khammam;

Panchayat Raj Division Warangal, Karimnagar, Khammam: and Adilabad; and

Asifabad: Dist.SCSCS Ltd. Warangal, Karimnagar, Khammam;

Tribal Welfare Dept, Warangal. Khammam, Adilabad;

Singareni Colleries company Ltd, Ramagundam, Bellampally, Khammam;

and Kothagudam and Mancherial; and some other organizations.

The total earnings by this Laboratory during the above period is Rs: 10,35,345=00

(b) Structures Division:

The following major consultancy works were undertaken.

Testing of Mix design, Cement, Steel Bars, Carbon Content, Design, of Lighting Tower, FRM Panels for Flexural Strength, CC Cubes, Metal, Sand, Water Absorption, Impact Value, Crushing Strength, Structural Design & Drawings, and other building materials. Design for concrete mix tension tests on HT bars. Compressive strength of hollow cement bricks, Mix design, tension tests on HYSD bars.

The organizations involved were:

Panchayat Raj Division – Warangal, Khammam, Karimnagar, and Nizamabad;

Irrigation and Command Area Development – Warangal, Khammam, and Karimnagar; S.C.Co. Ltd., Ramagundam; Bhupalapally, Mancherial;

R&B Division – Warangal, Asifabad; and Khammam:
Public Health division – Warangal;

Panchayat Raj Div. Parkal; And some other organizations.
The total earnings by this Laboratory during the above period is Rs: 5,01,877=00

(c) Transportation Engineering Division:

The following major consultancy works were undertaken.

Physical Properties, Impact Abrasion and Water Absorption B.T. Samples, Field investigation and data compilation, testing of aggregate for Roads and Buildings. Road roughness tests and bitumen aggregate tests etc.

The Organisations involved were:

S,C.Co, Ltd, Bhoopalpally;

NRRDA. New Delhi;

R&B Division – Warangal, Karimnagar, Medak;

(R & B) Division, Warangal; and some other organizations.

The total earnings by the Laboratory during the above period is Rs: 3,93,178=00

(d) Environment and Fluid Mechanics Division:

The following major consultancy works were undertaken.

Testing of water samples for drinking and construction purpose, physical and chemical analysis of water samples, Design and Drawing, quality testing of PVC pipes and testing of solid waste of Municipal corporation of Warangal and Guntur, Districts.

The organizations involved were:

The total earning by this Laboratory during the above period is Rs : 1,90,000 =00

(e) Electrical Engineering Department :

The following major consultancy works were undertaken

Reviewing and Vetting the Design drawings of Electro – Mechanical Components, of various lift Irrigation Projects of Govt of Andhra pradesh.

- I & CADD, AVR, HNSS- Phase – II, Madakasira.
- Govt. of A.P. I&CAD, Dept., NSLI Circle., Nizamabad;
- Micro – LIS, GKLI, Div., Pulivendula.
- I & CADD, NSLI, Circle, Nizamabad.
- Micro – LIS, Div, Mydukru.

- I&CADD, JCR, GLIS, PH-II, Project Circle, Warangal;
- Irrigation & CADD, SSP.Div, No-4, Mancherial;

and some other organizations.

The total earning by this Laboratory during the above period is Rs: 29,01,847=00

6.0 THE COUNCIL, BOG AND OTHER COMMITTEES

6.1 Institute Council

Institute has constituted Evaluations Committees at the doctoral, postgraduate and undergraduate levels to monitor and approve the evaluation procedure for each of the courses offered each semester. The constitution of these committees are listed below:

A Research Program and Evaluation Committee (RPEC)

1.	Director	..	Chairman
2.	Dean, (Academic Affairs)	..	Member
3.	Dean, (Student Affairs)	..	Member
4.	Professor in-charge, SRIC	..	Member
5.			
6.			
7.			
8.			Senate nominees
9.			
10.			

B. Postgraduate Programme and Evaluation Committee (PGPEC)

1.	Director	...	Chairman
2.	Dean, (Academic Affairs)	...	Member
3.	Dean, (Student Affairs)		

Head, Dept. of Civil Engineering

Head, Dept. of Electrical Engineering

Head, Dept. of Mechanical Engineering

Head, Dept. of Electronics & Communication Engineering

Head, Dept. of Metallurgical & Materials Engineering

Head, Dept. of Chemical Engineering

Head, Dept. of Computer Science & Engineering

Head, Dept. of Mathematics

Head, Dept. of Humanities & Social Sciences

Head, Dept. of Physics

Head, Dept. of Chemistry

Head, School of Management (SOM)

C. Under Graduate Programme and Evaluation Committee (UGPEC)

1. Director .. Chairman
2. Dean, (Academic Affairs) .. Member

Dean, (Student Affairs)

Professor in charge, Time Table

Professor in charge , Examination

Head, Dept. of Civil Engineering

Head, Dept. of Electrical Engineering

Head, Dept. of Mechanical Engineering

Head, Dept. of Electronics & Communication Engineering

Head, Dept. of Metallurgical & Materials Engineering

Head, Dept. of Chemical Engineering

Head, Dept. of Computer Science & Engineering

Head, Dept. of Mathematics

Head, Dept. of Humanities & Social Sciences

Head, Dept. of Physics

Head Dept. of Chemistry

Head, Dept. of Bio-technology

6.2 Board of Governors (upto 01.03.2010)

CHAIRMAN

Prof.Y.V. Rao,
Director,
National Institute of Technology, Warangal.

MEMBERS

Sri N.K. Sinha, I.A.S.
Joint Secretary (Technical),
Department of Secondary & Higher Education,
MHRD, Govt. of India, New Delhi.

Sri S. K. Ray, I.A.S.
Joint Secretary and Financial Advisor,
MHRD, Govt. of India, New Delhi.

Sri S. Mohan,
Director, Integrated Finance Division,
MHRD, Dept. of Higher Education,
New Delhi.

Sri Madan Mohan,
Director (NITS),
Dept. of Secondary & Higher Education.
MHRD, Govt. of India,
New Delhi.

Sri Premchandra Reddy, I.A.S.
Director of Technical Education,
Commissionerate of Technical Education,
HYDERABAD

Sri Mukul Kasliwal,
Director,
S. Kumars (Textile Industry),
Mumbai

Prof. N.R. Shetty,
Former Vice-chancellor,
University of Bangalore,
Bangalore.

Dr. S.R.K. Prasad
Director,
Coimbatore Institute of Technology,
Coimbatore

Prof. S. Santha Kumar,
Dean (Academic),
Indian Institute of Technology, Madras,
Chennai.

Sri Naresh K Ummat,
An Alumnus of NITW,
New Delhi.

Prof. S.S. Katiyar,
Vice-Chancellor,
Chatrapathi Shahu Ji Maharaj University,
Kanpur

Dr. R.V. Chalam,
Professor, Department of Mechanical Engineering,
NIT, Warangal

Sri S.G. Sanjeevi,
Asst. Professor, Dept. of
Computer Science and Engineering
NIT, Warangal

MEMBER SECRETARY

Prof. Y.V.Rao
Director
National Institute of Technology, Warangal

6.2 Board of Governors (from 02.03.2010)

CHAIRMAN

Prof.B.L. Deekshatulu,
Ex-Director,
NRSA, SECUNDERABAD.

MEMBERS

Prof. Y.V.Rao, (upto 7.4.2010)
Director
Prof. S.S. Gokhale, (from 8.4.2010)
Director (Additional Charge),
National Institute of Technology,
Warangal

Sri S. K. Ray, I.A.S.
Joint Secretary and Financial
Advisor,
MHRD, Govt. of India, New Delhi.

Sri N.K. Sinha, I.A.S.
Joint Secretary (Technical),
Department of Secondary & Higher Education,
MHRD, Govt. of India, New Delhi.

Prof. K. Narender Reddy,
Controller of Examinations,
Mahatma Gandhi University,
Nalgonda.

Dr. K. Mruthyunjaya Reddy,
Director General, A.P. State Remote
Sensing Applications Centre &
Director (Tech.), A.P. State Disaster
Mitigation, Hyderabad

Prof. N. Viswanadham,
Executive Director
Centre for Global Logistics and
Manufacturing Strategies,
Indian School of Business,
Hyderabad.

Mrs. Preetha Reddy,
Managing Director,
Apollo Hospitals,
Chenai.

Dr. R.V. Chalam,
Professor, Department of
Mechanical Engineering,
NIT, Warangal

Sri S.G. Sanjeevi,
Asst. Professor, Dept. of
Computer Science and Engineering
NIT, Warangal

SECRETARY

Dr. C.S.P. Rao (upto 19.4.2010)
Dr. G. Venkat Reddy (from 20.4.2010)
Registrar
National Institute of Technology, Warangal

6.3 Finance Committee (upto 01.03.2010)

CHAIRMAN

Prof.Y.V. Rao,
Director,
National Institute of Technology, Warangal

Sri S. K. Ray, I.A.S.
Joint Secretary and Financial Advisor,
MHRD, Govt. of India,
New Delhi.

Sri S. Mohan,
Director, Integrated Finance Division,
MHRD, Dept. of Higher Education,
New Delhi.

Sri Madan Mohan,
Director (NITS),
Dept. of Secondary & Higher Education.
MHRD, Govt. of India,
New Delhi.

Sri Premchandra Reddy, I.A.S.
Director of Technical Education,
Commissionerate of Technical
Education, HYDERABAD.

Dr. R.V. Chalam,
Professor, Department of
Mechanical Engineering,
NIT, Warangal

MEMBER SECRETARY

Prof. Y.N. Reddy, (upto 04.09.2009)
Prof. C.S.P. Rao (from 05.09.2009)
Registrar,
National Institute of Technology, Warangal

6.3 Finance Committee (from 02.03.2010)

CHAIRMAN

Prof. B.L. Deekshatulu,
Ex-Director,
NRSA, Hyderabad

Sri N.K. Sinha, I.A.S.
Joint Secretary (Technical),
Department of Secondary & Higher Education,
MHRD, Govt. of India, New Delhi.

Sri S. K. Ray, I.A.S.
Joint Secretary and Financial Advisor,
MHRD, Govt. of India,
New Delhi.

Prof. Y.V.Rao, (upto 7.4.2010)
Director
Prof. S.S. Gokhale, (from 8.4.2010)
Director (Additional Charge),
National Institute of Technology,
Warangal

Prof. K. Narender Reddy,
Controller of Examinations,
Mahatma Gandhi University,
Nalgonda.

Dr. R.V. Chalam,
Professor, Department of
Mechanical Engineering,
NIT, Warangal

MEMBER SECRETARY

Dr. C.S.P. Rao, (upto 19.04.2010)
Dr. G.Venkat Reddy, (from 20.04.2010)
Registrar,
National Institute of Technology, Warangal

6.4 Building and Works Committee

CHAIRMAN

Prof. Y.V. Rao
Director,
National Institute of Technology,
Warangal – 506 021 (A.P.)

Sri S. Madan Mohan,
Director (NITS),
Department of Secondary & Higher Edn.
MHRD, Govt. of India,
New Delhi.

Superintendent Engineer
Roads & Buildings Department
R & B Circle
Warangal

Sri G.C. Kavi,
Superintendent Engineer (Civil)
Hyderabad Central Circle - II,
C.P.W.D.,
Sulthan Bazar,
HYDERABAD – 500 095.

Prof. C.B.Kameswara Rao
Dean, Planning & Development,
National Institute of Technology,
WARANGAL.

Sri Kanaka Raju,
Executive Engineer,
Office of the C.P.W.D.
Hyderabad.

Sri S.G. Sanjeevi,
Asst. Professor, Dept. of
Computer Science and Engineering
NIT, Warangal

MEMBER SECRETARY

Prof. Y.N. Reddy, (upto 04.09.2009)
Prof. C.S.P. Rao, (from 05.09.2009)
Registrar,
National Institute of Technology,
Warangal

6.5 Other Committees

a). Senate

Prof. Y.V. Rao, (upto 07.04.2010) Director (Chairman)
Prof. S.S. Gokhale, (from 08.04.2010) Director (Addl. Charge) (Chairman)

C.B.Kameswara Rao
K.V.Jayakumar (Lien)
N.V.Umamahesh
P.Anand Raj
D. Ramaseshu
G. Rajesh Kumar
C.S.R.K.Prasad
Y. Sudhakar (Resg. on 28.2.2010)
P.V. Ramana Rao
M. Sydulu
D.M. Vinod Kumar
D.V.S.S.Siva Sarma
G. Srihari – Vol. Rtd. on 31.7.2009
B. Kotiveerachari
R.V. Chalam
G. Ravindranath Tagore
K.Madhu Murthy
A.V.Narasimha Rao
L. Krishnanand
Ch.S.Prakasa Rao
S.Srinivasa Rao
P. Bangaru Babu
K.S.R. Krishna Prasad
N.S. Murthy (Lien)
N.V.S.N.Sarma
V.Rama Rao
T. Ramesh
DVLN Somayajulu
B.B.Amberker
G. Venkat Reddy
R. C. Sastry
Y.Pydisetty
M. Krishna Mohan
P. Suryaprakasa Rao
K. Srimannarayana
J. Ramachander Rao
G. Ramachandra Reddy (Lien)
A. Ramachandra Reddy
S.V.S.Ramana Reddy
L. Ramgopal Reddy
B. Venkata Appa Rao
A. Ramachandraiah
G.V.P. Chandramouli
I. Ajit Kumar Reddy
P. Nageswara Rao
K. Laxma Reddy
T.K.V. Iyengar
G. Radhakrishnamacharya
Y.N. Reddy
S. Thiruvenkataswamy – Vol. Rtd. on 7.8.09
D.S. Kesava Rao

Registrar (Secretary)

b). The Hostel Advisory Council (H.A.C.):

1.	Prof. Y.V.Rao	Director	Chairman (upto 07.4.2010)
	Prof. S.S. Gokhale	Director (Addl. Charge)	Chairman (from 08.4.2010)
2.	Prof. K. Laxma Reddy	Chief Warden	Convener
3.	Prof. Y.N.Reddy	Registrar	Member (upto 4.9.2009)
	Prof. C.S.P. Rao	Registrar	Member (from 5.9.09 to 19.4.10)
	Prof. G.V. Reddy	Registrar	Member (from 20.4.2010)
4.	Prof. M. Sydulu	Dean Administration	Member
5.	Prof. I.A.K. Reddy	Dean Student Affairs	Member

6. Warden Representatives:
   a) Dr. K.V.G. Reddy, Mess Warden (Member)
   b) Dr. V.V. Mani, Hall Warden (Member)
7. Student Representatives:
   a) Mr. Ankit Reddy, Student Council President (Member)
   b) Mr. Sajit, Student Council Secretary (Member)

7.0 CONCESSIONS FOR SCs, STs, HANDICAPPED STUDENTS

7.1 Concessions Provided for Students

- SC, ST and Handicapped students in the institute are helped in many ways.
- There is a concession for admission for the UG and the PG courses as per the norms of the government of India as per the norms of government of India. (15% for SC 7.5 % for ST and 2 ½ % for Handicapped at the UG and the PG levels)
- Scholarships are given to the SC/St students (vide section 4.6)
- Book Bank at the central library provides text books for the SC, ST students
- SC/ST Cell established in 1992 aims to arrange career guidance and counseling for students. It arranges training for writing GATE.

7.2 Concessions Provided for Staff

- There is reservation for the SC and ST candidates for appointment and promotions as per the Government norms. (15% for Sc and 7.5 % for ST)
- Conveyance allowance is paid for the physically handicapped staff.

8.0 FINANCIAL STATUS

8.1 Analysis of Plan and Non-Plan Grants,

8.2 Sources of Funds &

8.3 Expenditure Position for last Three Years

(Amount in Rupees)

RECEIPTS	2007-2008	2008-2009	2009-2010
I. Opening Balance:			
a) Cash in hand			
--- Main Cash Book	589231	1362985	1917081
--- Petty Cash Book	134400	86280	140739
--- Imprest with Departments	43700	44700	54400
b) Bank Balances			
--- In Current Accounts	12272345	39300766	23677375
--- In Deposit Accounts	--	--	--
--- Savings Account	20936858	487444	8251946
II. Grants Received:			
a) From Govt. of India			
--- Towards Capital Fund	200000000		
--- Towards Revenue Exp.	170000000		
b) Grants received by TEQIP	30000000		
c) Staff Subscription towards PF	10383004	1023256375	1367827873
d) Institute Contribution towards PF	751254		
e) Endowment fund received	850000		
III. INCOME ON INVESTMENTS FROM:	--		
Earmarked/Endowment Funds	148680	146862	256458
Own Funds(other Inv) TEQIP	1314410	1504619	--
IV. Interest Received:			
a)On Bank Deposits	6702573	18639541	19383244
b) Loans, Advances etc.	--	--	--
V. Other Income(Specify):			
--- Rents from Hostels	4995351	7086750	16899397
--- Licence Fee Staff Quarters	447632	621040	493821
--- Rents from Guest House	101180	719060	862800
--- Revenue Receipts from UGC	42272998	45153870	102105643
--- Revenue Receipts from MCA	---	---	---
--- Revenue Receipts from PGC	13121548	16307456	32084432
VI. Amount Borrowed:	---	---	63890000
VII. Other Income TEQIP:	970000	867927	4000
VII. Any Other Receipts:			
--- Under Funded Accounts --- Other Deposit Accounts --- Investments Accounts --- Advances Accounts --- Other Items(St.Liabilities) --- Purchases Accounts	593440898	652762754	1086612553
	1109476062	**1808348429**	**2724461762**

(Amount in Rupees)

PAYMENTS	2007-2008	2008-2009	2009-2010
I. Expenses:			
a) Establishment Expenses	167985505	223437362	398102262
b) Administrative Expenses	54303525	112911491	133181198
II. PAYMENTS MADE AGAINST Funds for various Projects:			
--- Towards various funded accounts	124197306	813727192	92376432
III. Investments land deposits made:			
a) Out of Earmarked/Endowment Fund	850000	1010500	1300000
b) Out of Own Funds	277500000	160106989	460238618
IV. Expenditure on Fixed Assets & CWIP:	344752197	92782058	1071728704
V. Refund of Surplus Money Loans:	--	--	69397844
VI. Finance Charges:	--	--	--
VII. Other Payments:			
--- Other deposits account --- Other Liabilities(St.Liabilities) --- Purchases Accounts --- Advances Accounts --- Endowment Payments --- Govt. of A.P.– Arrears of Pension paid --- Refund of Capital Fund (Surplus)	98605354	370331296	343902840
VIII. CLOSING BALANCES:			
a) Cash in hand			
--- Main Cash Book	1363985	1917081	302868
--- Fee Account (Cash)	--	--	1867892
--- Petty Cash Book	85280	140739	151054
--- Imprest with Departments	44700	54400	135950
b) Bank Balances			
--- In Current Accounts	39300766	23677375	151327644
--- In Deposit Accounts	--	--	--
--- Savings Account	487444	8251946	448456
--- Cheques on hand	--	--	--
	1109476062	**1808348429**	**2724461762**

9.0 CENTRAL FACILITIES AND SERVICES

9.1 Computer Centre

Computer Centre is a central facility supporting the computing needs of students and staff of various disciplines in the institute. It provides Email, Web, FTP, Internet access, HPC and other services. Centre also provides various advanced and special purpose software for all the campus users.

The Centre is responsible for office automation in the institute with MIS (Management Information System). The MIS has main modules of Academic, Payroll, Accounting and financial management, Web portal, Staff management and General administration. The Centre offers training and consultancy services. Further, the Centre maintains the servers for campus wide networking including Web server, mail server, and DNS server. The centre gives facilities to Training and Placement cell by allowing industries to conduct online examinations for the purpose of student selection for placement in industries. Center also provides internet facility to students for pursuing their project works. Center supports laboratory courses for B.Tech, M.Tech programmes of all departments and M.Sc programmes for Physics, Chemistry and Mathematics departments.

Facilities:

- Well furnished and air conditioned laboratories with uninterrupted power supply.
- Facility for on-line teaching in the laboratories.
- State-of-art hardware and software.
- All laboratories have their own LAN and are connected to the OFC backbone.
- Each laboratory has desktops with high-end configurations.
- Center has high-end Dell servers to support advance softwares
- Centre has advanced sotwares viz. Matlab, Autocad, Autodesk Inventor, Ansys, ProE, Informatica, etc.

9.2 Workshops

Workshops in the institute cater to the needs of the UG and PG students for courses in Workshop Practice. It also provides training in Advanced Manufacturing Process, Metal Joining, and Metal Casting. It also conducts laboratory classes in Metal Testing. It has Hot Crack testing equipment for developing welding procedures.

In addition to above facilities, at present the institute workshops are strengthened with the following equipment procured under TEQIP Grants:

Electro Chemical Machining Unit
Dynamic UTM
Electro- Discharge Machine
Universal Milling Machine
NDT Equipment

The above equipment is being utilized for the research activities by six research scholars working in the department.

9.3 Library

INTRODUCTION: The Central Library supports the teaching and research programmes of the Institute and provides facilities for general reading and disseminates information according to the requirement of the users. It is housed in a separate building with a plinth area of 4000 Sq. Mtrs.

WORKING HOURS: The Library is open on all days of the year, except on a few holidays of National and Religious importance. The reading rooms are kept open from 8.45 AM to 9.00 PM on all working days and from 9.00 AM to 5.00 PM on holidays. The Circulation Counter functions from 10.00 AM to 6.00 PM with a break of one hour from 3.00 PM to 4.00 PM on working days.

MEMBERSHIP: Membership of the Institute's Library is open to the Students, faculty, Research Scholars and the other Administrative and Technical Officers and Supporting Staff of the Institute.

COLLECTIONS: The Library has a collection of 1,47,481 volumes which includes 32,288 Back Volumes 7,111 standards specifications (Indian and Foreign), 7,646 Pamphlets, 526 Photocopies, 56 Maps, 2020 CD-ROMs and 350 Video Cassettes etc., The total cost of the books is Rs. 5.84 crores.

ADDITIONS TO THE LIBRARY DURING THE YEAR 2009-10:

During the year 4227 books were added to the Library

CLASSIFICATION: The books in the Library are classified according to Dewey Decimal Classification scheme.

EXPENDITURE ON BOOKS, JOURNALS etc.

Expenditure on books from 01.07.2008 to 30.06.2009	Rs. 20,30,401=00
Expenditure on Journals from 01.07.2008 to 30.06.2009	Rs. 5,81,050=00
Book Bank for Needy Students total investment upto 30.06.2009	Rs. 7,22,148=00
Book Bank for SC/ST student's total investment up to 30.06.09	Rs. 22,10,121=00
Book Bank for BCWD students up to 30.06.09	Rs. 3,15,273=00
Book Bank for SC students up to 30.06.2009	Rs. 2,81,499=00
Book Bank for ST students upto 30.06.2009	Rs. 3,35,641=00
Expenditure of IT infrastructure, furniture and equipment	Rs. 1,90,474=00

STACK – ROOMS:

- There are three stack rooms in the ground floor of which two rooms are stacked with textbooks and the other with back volumes of Journals.
- The books and back-dated Journals are arranged on the shelves subject-wise according to the Dewey Decimal Classification Scheme.
- The Library follows Open Access System.
- Adequate seating arrangements with comfortable tables and chairs are provided in the stacks for the benefit of users.

REFERENCE SECTION:

i) **Reference Books:**
The section contains reference books such as Encyclopedias, Dictionaries, Directories, Handbooks, Bibliographies, Atlases, Data Books, M.Tech. dissertations, Ph.D theses etc. These are to be referred within the Library premises, but are not for lending.

ii) **Text Books:**
Two copies each of the prescribed textbooks and other recommended books are kept in the Text Book collection and these are to be referred on the Library premises only.

A separate Reading Hall for Reference and Textbooks is provided with a seating capacity of 100 members.

Periodical Section:

The Library receives about 210 Journals, out of which 120 are Indians, 90 are received from foreign. All the current periodicals are displayed on the periodical racks in the reading hall with a seating capacity of 100.

Kardex system is followed for registration of journals up to year 2000. The registration and issue management of all journals has been computerized using LIBSYS Software from January 2001 onwards.

Newspapers:

The Library receives 7 daily Newspapers in English, which are placed in the Reading Hall.

Reprographic Service:

There is a well-equipped Xerox facility in the Library. The users can avail of this facility on payment of nominal charges.

BOOK BANKS:

Institute Book Bank: The Book Bank of the Institute's Library has been re-organised on a regular basis in order to help the poor and needy students of UG Courses by making textbooks available to them from the book bank for longer periods. At present there are 9,879 textbooks for the use of needy students. The total cost of these books is Rs. 7,22,148.

So far 2,756 needy students were benefited through the scheme.

Book-Bank for BC Students: One more special book bank for exclusive use of UG courses students. belonging to backward communities studying in the Institute was started from the year 1985-86 with the grants received from the Department of Social Welfare (BCWD) of Govt. of Andhra Pradesh. The total amount spent so far on this account Rs.3,15,273=00 and acquired a collection of 2,514 books. So far 2,567, BC students were benefited by this facility.

Book Bank for SC/ST Students: Under centrally sponsored scheme of opening book bank for SC/ST students studying in the Engineering/Medical colleges a book bank exclusively for the use of students of the Institute belonging to SC/ST category is established during the year 1978-79. So far an amount of Rs.22,10,121=00 has been spent for purchase of 16,994 textbooks and essential equipment for this book bank. 5,230 students belonging to SC/ST are benefited by this scheme.

Book-Bank for SC Students: A special book bank for the exclusive use of students belonging to SC students of UG courses studying in the Institute with the grants received from the Department of Social Welfare (SWD) book bank for SC students of Govt. of Andhra Pradesh. The total amount so far on this account is Rs.2,81,499=00 and acquired a collection of 2331 books.

Book-Bank for ST Students: One more special Book-Bank for exclusive use for ST students of UG courses studying in the institute with the books received from District Tribal Welfare Officer, Warangal Govt. of Andhra Pradesh established in 2006. So far, the Library has received 1024 books with a cost of Rs. 3,35,641=00 under the scheme.

CIRCULATION: Total number of books transacted to the users for home reading during the year is 1,69,071 Nos.

INTER LIBRARY LOANS: Publications, which are not available in the library, are procured from other libraries on Inter Library Loan and made available to the users on specific requirements. In turn the library lends books, required by other co-operating libraries.

EXTENSION SERVICES: The library offers extension services of circulation of Books, Pamphlets and other reading materials etc.

INFORMATION TECHNOLOGY: The Central Library is connected to the CAMPUS LAN. The library server works under Windows NT environment. Subsequently, the house keeping operations and services such as Acquisition entries, Serials Control, Circulation of books using of Barcode system for issue and return of books have been computerised. OPAC (Online Public Access Catalogue) facility has been created for the users to search the bibliographic data of the Library holdings. The faculty members can access OPAC from their respective departments through the CAMPUS LAN.

DIGITAL LIBRARY: The Library has campus LAN connectivity with fibre optic cable (10/100 mbps) through the Computer Centre and is connected to Web Server (P-III 1GHz Compaq Proliant) – 50 systems providing network facility are installed for browsing. During the year 2003 the MHRD, Govt. of India, New Delhi, formed a "Consortia-based subscription to Electronic Resources for Technical Education" and named as INDEST (Indian National Digital Library in Engineering Science and Technology) and receiving about 2000 online Journals. Its head quarters is at I.I.T., Delhi. The on-line Journals that are available through INDEST are:

- IEEE / IEE Electronic Library
- ASME Transactions
- ASCE Transactions
- Applied Science and Technology Plus (ASTP)
- ACM Digital Library
- Springer Verlag Link
- Elsevier's Science Direct
- Nature
- J-Gate
- Indian Standards 18,000 in e-form
- ASTM standards 3000 + Journals

The Library has also procured a Hard Disk catching solution (500 GB) and installed in the Digital Library. The archive data of on-line journals received through INDEST, an e-consortia and the data of 2020 CD-ROMs available in the Library loaded in the

system and made it accessible to the users in the Library. The departments also can access the same information through the LAN.

VIRTUAL LIBRARY: The Central Library has also established Virtual Library by procuring IT infrastructure. Xeon Server 3.4 GHZ 4 GB, Pentium III, 1 GHZ – Compaq Proliant and 50 Nos. P – IV 512 MB 160 GB HD with TFT Monitors. The networking was also provided connecting to servers. The Digital Library and E-learning Softwares were also procured and loaded in the servers. The creation of archieve data is in progress. The users can access in the Virtual Library through off-line.

INSTITUTIONAL REPOSITORY (IR): It is also proposed to establish IR (Institutional Repository), a digital archive of research out-put created by the faculty, Research scholars and Dissertations of UG/PG/M.Tech. programmes and able to access through on-line to the end-user in the Institute. The procurement of relevant IT infrastructure i.e. hard disk-caching server, systems and furniture etc. are in the pipeline.

DELNET: The DELNET (Development Library Network) New Delhi, connectivity is also provided in the Library for searching bibliographical database and abstracts of various Technical Subjects of other institutions.

AUDIO – VISUAL: The Central Library houses an audio-visual section with 2 sets of TVs and VCRs. A good collection of Educational Videos are available on varied subjects.

MANA TV: The Department of Information Technology and Communication; Government of Andhra Pradesh, Hyderabad (APTS) has installed a Video conference IT infrastructure viz. Pentium-IV, CCD Camera, Telephone, 28" TV etc., for sharing expert lecturers among the Educational/Engineering Institutions. Technical programmes are available between 12.00 Noon and 1.00PM and repeated the same at 3.00PM and 4.00PM. The Seating capacity is 60 Nos.

EDUSAT: EDUSAT is the first Indian Satellite designed and developed exclusively for serving the educational sector. It is mainly intended to meet the demand for an interactive satellite based distance education system for the country.

It is collaborative project of ISRO, MHRD, AICTE and IGNOU. A satellite terminal has been installed in September, 2005 at National Institute of Technology, Warangal under EDUSAT to receive on-line lectures from ISRO HUB, IGNOU, AICTE covering various subjects of Science and Technology.

BOOK BINDING: The binding section of the Library is having binding equipment viz. cutting Machine, Book-Backing Machine and other materials. A Gold embossing Machine was also procured for embossing on the spine of Back Volumes.

LIBRARY ADVISORY COMMITTEE: The library advisory committee comprises a senior Professor as the Chairman and faculty members from each department, Librarian as convener. It meets from time to time to lay down policies and to review working conditions for smooth functioning of the Library.

ORIENTATION PROGRAMME TO FRESHERS: The orientation programme is being conducted every year to the newly admitted students to know the facilities and services that are available in the library for ensuring effective use. The library handout (know your Library) is also being issued to each student at the time of enrolment in the library for guidance.

9.4 Laboratories

Civil Engineering

Laboratories:

- Concrete
- Material Testing
- Survey
- Highway Engineering
- Fluid Mechanics & Water Resources
- Civil CAD
- Structures
- Soil and Rock Mechanics
- Engineering Geology
- Transportation Engineering
- Environment Engineering
- Photogrammetry & Remote Sensing

Major Equipment:

- Microprocessor based data acquisition System
- Accelerated curing
- Non-destructive test equipment
- Flame Photometer
- Doppler Radar
- Clegg impact
- Air Pollution Testing Apparatus
- Automobile Exhaust Analyzer
- Weigh-in-motion Equipment
- Load man
- Class Impact
- Impact Hammer
- USB 6008 – Data Acquisition card (under RRPPS)
- Digital Strain indicator
- Tinius Olsen testing machine
- Polaris cope
- Nuclear density gauge
- Automatic Road Unevenness Indicator
- Centrifugal pump test Rig
- Automatic Compactor
- Driver Testing Equipment
- Wheel Tracking
- Dynamic Analysier
- MERLIN – road roughness measurement (under RRPPS)

Electrical Engineering

Laboratories:

- Electrical Machines
- Electrical Measurements
- Control Systems
- Personal Computer Lab
- High Voltage
- Power Systems
- Power Electronics & Drives
- Electrical Circuits
- Microprocessors

Major Equipment:

- Generalized Machine Set
- Four Machine Set
- U.V. Recorder
- Digital Storage Oscilloscope
- DC Network Analyzer
- Transient Network Analyzer
- 12 KV DC Power Pack

Power Electronic Kit

100 KV Power Frequency HV Transformers

Relay Test Kits

Artificial Transmission Line Units

Synchronous Machine Sets with Thyristorised Speed Control

Digital Storage Oscilloscope

dSPACE System

TMS 320LF 2407 – DSK Trainer Kits

Transducer Trainer Kits, strain gauge transducer trainer kits (2 Nos.)

150 KV Impulse Generator

Micro Controller Kit

Control Engineering Trainer

Power Harmonic Analyzer

MATLAB, PSPICE, EMTP, SPARD, CAPSS Software

DSP Controlled Drives

TMS 320 LF 2407 Based EVM Modules

MATLAB, SIMULINK and Real Time Workshop for dSPACE

TMS 320F 2812-DSK kits.

Mechanical Engineering

Laboratories:

Manufacturing Simulation
I.C. Engines
Engine Pollution Control
Machine Tools
Rocket Testing
CNC Machines and Robotics
Industrial Engineering
Central Workshops
Mechatronics (DST,FIST scheme)

Heat Power
Thermal Engineering
Energetics
Solar Energy
Machine Dynamics
Fluid Power Systems
Microprocessor Application
CAD / CAM
Rapid Phototyping

Major Equipment:

CNC Milling Machine-2 ½ axes (Denford, U.K.)

D.C. Servo Robot – 5 axes (CRS Canada)

EDM Equipment

Dynamic – Vertical Milling Machine

Smoker Meter

Pyranometer

Sunshine Recorder

Solar Mini Lab

Pi-Meter

Digital Micro Manometer (Furnace Controls Ltd., U.K.)

Kistler Pressure Transducers

Piezoelectric Accelerometers

CNC Lathe (Stanturn, U.K.)

Hydraulic Robot (Arun, Feedback, U.K.)

CNC Drill Cum Mill Trainer(Feedback, U.K.)

Exhaust Gas Analyzers (HC, CO, NO-NO_x)

Refrigeration Test Rig

Spectrophotometer

Flue Gas Analyzer

Eddy Current Dynamometer

Project Manometer

Variable Compression Ration Lister Engine

Vibration Exciter and Measurement

Pneumatic and Hydraulic Trainers

Pulse Oximeter
Dynamometers for Forces & Torques Measurement
Omnigraphic series xy/ t recorder
FFT Analyzer
Gec-fanuc programmable logic controller
Eurobtec modular educational system
IDEAS (CAD/CAM Package)
MASH Module (FMS Simulator)
Single Cylinder Diesel Engine Test Rig
Mechatronics Training System,
PLC Trainer Kits
Modular Servo System
Power Tools
150 Amp. Inverter based MMA welding equipment
Electro Chemical Machining Unit
Multipoint fuel injuction 4 cylinder petrol engine
4 Component quartz Dyanmo meter
Automatic Studio
Vibration Simulation Test Rig
Single Cylinder Petrol Engine Test Rig
Magnetic Crack Detector Unit
200 Amp single phase air cooled welding Transformer
Plastic Injection Molding Machine
Variable Speed PrecisionLathe
Vertical Milling Machine
Pulse generator for EDM
CSD-3 Sunshine Recorder

Electro Discharge Machining
Stefan Boltzman – Heat transfer equipment
Standard Tread Mill
Smoke Density tester
Data Logger
Transducer Kit
Awesim (SLAM – II) package, Auto Mod. Pro model Package
Refrigeration Test Rig
Z Servers (Windows NT) with 12 nodes
CNC Lathe & Training System
Five axis servo controlled Robot
Mechanism Training Module
Dimension SST 3-D Printer (Rapid Prototype)
Magnetic Crack detector
Pyrhellometer with 2 axis Tracker
Portable vibration analyzer and balancing
Thermal Engineering
Energetics
Air conditioning Test Rig
Steam Turbine Test Rig
150 Amps Inverter MMA welding equipment
Sand Testing equipment
Ultrasonic Flaw Detector
Tool &Cutter Grinder
Workshop Tools & Equipment
LOG BOX – 8 channel data logger

Electronics & Communication Engineering

Laboratories:

Problem Oriented Research Lab
Bio-Medical
VLSI Lab (sponsored by MICT, New Delhi)
Basic Electronics
Integrated Circuits
Electronic Computer Aided Design
Signal Processing
Image Processing
Electronic Circuits
Microprocessor
Communication Systems
Intelligent Instrumentation
Computer Communication

Instrumentation Systems
Microwave
Personal Computer

Major Equipment

- Cellular Telephony Trainer
- Test and Measuring Equipments
- Microwave Network Analyzer and Tests Setups
- ISDN Trainer
- Biomedical Work station for Advanced Processing.
- PC Based Multi Channel (Simultaneous) ECG Acquisition System.
- PC Based Instrumentation Trainer
- Satellite Receiver
- Spectrum Analyser
- Mixed Signal Oscilloscope, Arbitrary wave form generator and multi meters
- Process Control Simulator
- ISDN Trainer
- Optical Fibre Trainer
- Microprocessor Research
- International Standard ECG Libraries
- Multi Function Calibrator
- Multimedia Conferencing
- Image Processing Work Station
- VLSI tools (Cadance, Altera Synopsys, Tanner etc.)
- Optical com. Trainers

Computer Science & Engineering

Laboratories:

Name of the Laboratory	Environment	Details
Computer Programming	SCO-Environment	Pentium based SCO-UNIX platform supporting 32 dumb terminals
Computer Programming	SCO-UNIX Windows NT	A LAN with 2 Pentium Servers and 30 Pentium nodes
Database Programming	SUN Ultra Sparc / Windows NT	A LAN with 2 servers supporting 30 Pentium nodes
Network Programming	Linux Environment	A LAN with Linux Server supporting 30 Pentium nodes.
Internet	Windows NT	A LAN with Pentium Server and 15 Pentium Workstations connected to Institute Internet facility.
Multimedia	Windows NT / .NET	A LAN with 2 servers and 16 Pentium Nodes connected to Internet.
Microsoft	Windows NT / XP / .NET	A LAN with 3 Servers and 40 Pentium –IV nodes.

Major Equipment

Four servers and 42 Sun blade Systems

- One Xeon Based Server, 10 Workstations and 25 Desktop Systems with 3D Graphics

Purchased 40 HCL laptops and 7 Tablet PCs

Chemical Engineering

Laboratories:

Transfer Operations

Process Engineering

Testing of fuels, water, intermediates and products

Simulation and data processing

Major Equipment:

Micro Computer Controlled Distillation Column	Single Effect Evaporator
Drying test rig with temperature and humidity control	Horizontal and vertical condenser
	Process Trainer
Hot-wire Anemometer	Programmable Function Generator
Omega Turbo Designer – Graphical Development System	Storage Oscilloscope
	Diffusivity Apparatus
PID Controller Simulator Trainer	Aspen Plus Simulation Software
Processor Control Simulator Trainer	Flue gas Analyzer
Vapor Phase Oxidation in a Packed bed	Fermenter
Spray Tower	Computer Control of Temperature level and flow processes
Shell and tube heat exchanger	
Adiabatic Batch Reactor	Tubular Reactor
Combined flow reactor	Embulsion Polymerization Reactor
Cascade Reactor	Semi batch Reactor
Fluidized bed bio reactor	High performance Liquid Chromotograph
Gas Chromotograph	UV Visible spectrophotometer
ASPEN PLUS software	CHEMCAD software
Prosimulator Software	CFX software
Rheometer	Fluidized Bed Combustor

Metallurgical and Materials Engineering

Laboratories:

Physical Metallurgy	Electro-Metallurgy
Heat Treatment,	Foundry Technology
Mechanical Metallurgy	Powder Metallurgy,
Mineral Dressing	X-ray Diffraction and
Process Metallurgy	Simulations and Data Processing

Major Equipment:

- 20 ton Universal Testing Machine
- SHIMADZU Micro hardness Tester HMV 2000
- X–Ray Diffractometer (JDX – 8030, JEOL)
- Pin-On-Disc Wear Testing Monitor
- Thermogravimetric Analyzer (CHAN-131)
- GAS Chromatograph (AIMIL-NUKON)
- Leitz Metallurgical Microscope
- Digital Microbalance with 0.1 mg and 0.01 mg.
- Polymeter Extruder
- Multifle Furnace upto 1400°C
- Vickers Hardnes Tester
- Thermocale Sofate
- DICTRA software
- Metallographic Work Station
- Binocular Upright Metallurgical Microscope
- LCD Projectors
- Surface Roughness Tester with std. Accessories
- Virtual Casting Simulation Software

2 ton Hounsfield Tensometer
Scanning Electron Microscope (JSM-T200, JEOL)
Fluidized Bed Furnace
Creep Testing
Plus TIG Unit

- SHIMADZU Computer Controlled Universal Testing Machine (250 kN)
- Lab Model Ball Mill
- Metallurgical Microscope with Image Analyser
- PID Temperature controller
- Tube Furnace up to 1000°c
- Digital Rockwell Hardness Tester
- TCC + TCW Software package site license
- Foundry Sand Testing Unit
- Digital Copier & Multifunction machine
- Pulveriser
- Pin-on-disc wear Testing machine
- Dry Erosion Tester
- Electrochemical Workstation (Galvanostat / Potentiostat), Model No. : CH604D

Biotechnology Laboratories:

- Microbiology Laboratory
- Fluid Mechanics and Heat Transfer Laboratory
- Biochemistry Laboratory
- Bioreactor BIOTRON

Major Equipment:

- Atomic Force Microscope
- High Performance Liquid Chromatograph
- Fourier Transform Infrared Absorption
- Scanning Tunneling Microscope
- Gas Chromatograph
- Spectrophotometer

- UV-Visible Spectrophotometer
- Research Grade Optical Microscopes
- Ultra Deep Freezer
- Flame Photometer
- Fermenter Bioreactors

Physics

Laboratories:

- Photonics & Fiber Optics
- Laser Applications
- Optical Metrology
- Optical System Design
- Optical & Mechanical Workshop
- Analytical Process Instrumentation
- Nuclear Physics
- Material Science
- Microprocessors
- PC Based Instrumentation & Electronics
- U.G. Physics
- NDT

Major Equipment:

- Laser (Ar – Ion, Ruby, N2, He-Ne & Semi – Conductor)
- Optical Data Processing Unit
- ESPI for NDT
- Pentium PCs with Multimedia
- Digital Storage Oscilloscope (400 MHz & 100 MHz)
- Image Processing Workstation
- Holographic Equipment
- Vibration Free Optical Table
- Fiber Optic Kits
- Optical spectrum Analyzer & multi wave length meter
- Optical sensing interrogator system
- Storage Oscilloscope
- VHF & Microwave Field Strength Meters
- PC Based Instrumentation Trainer
- Optical Power Meters
- Multi-channel Analyser
- Microprocessor Kits (8086, Z80, 8085) & VDUS
- Keithly Electrometer
- Instrumentation Tutors
- Microwave Equipment (X and P Bands)
- Neutron Source
- Communication Kits
- Planck's constant set up
- G.M. set up

Chemistry

Laboratories :

- Engineering Chemistry
- Sophisticated Analytical Instruments Laboratory
- Analytical Chemistry
- Computational Chemistry
- Organic Chemistry
- Environmental Chemistry
- Research Labs – I & II
- Inorganic Chemistry
- Physical Chemistry

Major Equipment:

- Carlo Erba 1108 CHNS – O Elemental Analyzer
- EG & G PARC 264 A3 Polarographic Analyzers / Stripping Voltammeter
- Sartorius MC-5 Microbalance
- BAS CV-27 Electrochemical System
- Orin 902 Expandable Ion Meter
- Simadzu Specular Reflectance Accessor
- Electrogravimetric Analyzer
- Shimadzu 820/PC Fourier Transform Infared (FTIR)Spectrophotometer
- Flash Chromatograph
- BOD Incubator
- Systronics Flame Photometer
- UV Visible Spectrophotometer (Analytik Make)
- Micro Processor Based Flame Photometer
- Electronic Portable Balance
- Visible Spectrophotometer
- Turbidimeter
- Polarimeter
- Hedolph Rotary Evaporator
- Melting point Apparatous
- Shimadzu UV-160 A Ratio Recording UV–Vis–NIR Spectrophotometer
- Shimadzu IR-408 infrared Spectrophotometer
- UV-Vis-NIR Spectrophotometer with Shimadzu 160/220V UV-Vis-NIR Spectrophotometer fast Kinetics Software
- Low Temperature Kinetics Device
- Aimil 5765 Gas Chromatograph
- Inserf Cryostatic circulating Liquid Bath
- Stopped Flow Kinetic Accessory
- Mettler M 5 & M3 Microbalances
- Polytron Magnetic Susceptibility Set-up
- Digital Ptentio meter
- Demineraliser water treatment plant
- Electro gravimetric Analyser
- Circulating Water batch
- Flame Photometer
- KBr pellet maker
- Vaccum pump

Mathematics & Humanities

Laboratories:

- **Computational Laboratory** with adequate number of systems to work on UNIX / DOS/WINDOS environments. It has MATLAB Software.
- **An English Language Teaching Laboratory** with 40 booths. In addition, it has audio, video and computer facilities with software items on CALL (Computer Assisted Language Learning).
- **Mathematical Modeling Laboratory** with models and charts relating to mathematical concepts

Major Equipment:

- **UPS, TABLET, ANSYS SOFTWARE, PRINTER**

9.5 Hospital, Post Office, Shopping Centre

NIT Dispensary is a full-fledged unit with provision for a Medical Officer and one part-time medical Officer. It has a pathological laboratory, an ECG and an X-Ray Unit and four in-patient beds. The sophisticated equipment in the lab included an electronic ECG Unit, electronic binocular microscope, and electronic BP apparatus with pulse reader and a mini lab with colour inseor.

At present there are two Medical Officers: one regular; one part-time

Dr. A. Aruna
Dr. T. Thirupathi Reddy (Contract basis)

Working Hours: 9.00 AM to 12.00 Noon and 3.00 PM to 6.00 PM

Post Office (506 021) : There is a full fledged post office located within the campus catering to the needs of all the students and staff.

Shopping Centre: There is a shopping centre at the hostel premises. It provided XEROX, STD, and Browsing facilities in addition to selling snacks, tea, coffee, and soft drinks. **N.I.T.Co-operative stores** located in the hostel premises stocks text books, stationery items, cosmetics and other items for the day to day needs of the student community.

9.6 Physical Facilities

Venue for Seminars / Cultural / Social Activities

NIT Auditorium with a seating capacity of 1100 is a very popular venue for students. This is used for screening films, enacting dramas and for cultural and literary events.

Students Activity Centre housing the offices of the various clubs / committees and providing facilities for extra-curricular activities.

Conference Hall has a seating capacity of 300.

IT Theme Centre has a seating capacity of 260. It is a modern Seminar Hall, which includes space for office and fellowship.

Seminar Hall with a seating capacity of 220
(In addition to these central facilities every department has a Seminar Hall.)

Staff club with facilities for TV cum Reading Room, Cable TV for all the Staff Quarters on Campus, Games like Table Tennis, Tennicoit, Shuttle Badminton, Caroms, a public address and stereo sound system. It is a venue for social gathering and functions.

Daily Needs

State Bank of Hyderabad, NITW Branch & ATMs (2 Nos.)
Andhra Bank, NITW Branch
Post Office
Laundry
Hair Dressing Saloon
N.I.T.Co-operative stores supplying text book, stationery items, cosmetics etc.
Printing Press with facilities for both the traditional letter – type printing and modern offset printing.

Health Care and Greenery

An excellent nursery and gardens providing an aesthetic environment.
Children's Park with skating ring, slides, parallel bars, monkey ladder, Merry go-round, swings etc. amidst lovely garden.
Indoor Games Complex, 400m Track and 12 Km road network providing an excellent ambience for walking, jogging and other work outs.

Accommodation and Dining

NIT Guest House. A VIP guest house with 16 suits
Participants' Hostel with 60 rooms (AC & Non AC)
Residential facilities for all the students and the staff.
Canteen
A cafeteria located on the premises of hostels, caters to the needs of students from 5.00 p.m. till midnight

Communication

The campus has excellent facilities for communication through telephones, fax, e-mail and post office.

9.7 Games and Sports Facilities

(Vide 4.7. p. 96 & 97)

9.8 Other Facilities like Hostels, Messes Staff Quarters, Administration

(Vide 4.5 p. 90 & 91 for Hostels and Messes)

Staff Quarters: The Institute Provides Staff Quarters for Faculty and Staff. There are adequate numbers of quarters to accommodate all the faculty, and staff.

The numbers of quarters are available on the Campus mentioned below:

A Type	Old	10
	New	8
B Type	Old	8
	New	16
C Type		48
D Type	Old	40
	New	32
F type	New	72
G Type	New	40

Administration

Administrative facilities include gardening, sanitation, security, medical assistance, transport facilities, communication facilities etc.

10.0 NOTABLE ACHIEVEMENTS

10.1 Past achievements

NIT Warangal is the first in the chain of RECs in the country. It has the largest number of postgraduate courses. It also offers doctoral programmes in all the engineering and science disciplines. It is also a QIP centre for doctoral studies in the departments of Civil, Mechanical, Chemical and Mathematics. It is a QIP centre also for M.Tech in Electrical Engineering and ECE

The UNESCO sponsored Project during 1965-1970, UK–India RECs Project during 1994-1998 are notable features in the history of the institute for these project resulted in faculty training, starting of new courses, enhancement of laboratory facilities, and a boost to R& D activities

In the field of R&D and Consultancy it has been trendsetter for other technical institutes in the region.

The Institute has adequate infrastructure for accommodation, study, sports & games, for all the students, staff and faculty.

Milestones in the development of the Institute are given under section 2.1. (Historical Background)

11.0 ACTIVITIES OF TECHNICAL ASSOCIATIONS AND STUDENT HOBBY CLUBS DURING THE YEAR 2009-2010

SL. NO.	NAME OF THE DEPARTMENTAL TECHNICAL ASSOCIATION
1.	CIVIL ENGINEERING ASSOCIATION
2.	ELECTRICAL AND ELECTRONICS ENGINEERING ASSOCIATION
3.	MECHANICAL ENGINEERING ASSOCIATION
4.	ELECTRONICS AND COMMUNICATION ENGINEERING ASSOCIATION
5.	CHEMICAL ENGINEERING ASSOCIATION
6.	MATERIALS AND METALLURGICAL ENGINEERING ASSOCIATION
7.	COMPUTER SCIENCE AND ENGINEERING ASSOCIATION
8.	BIO-TECHNOLOGY ASSOCIATION
9.	MATHEMATICS AND HUMANITIES ASSOCIATION
10	PHYSICS ASSOCIATION
11.	CHEMISTRY ASSOCIATION
12.	SCHOOL OF MANAGEMENT STUDIES ASSOCIATION

SL. NO.	NAME OF THE STUDENTS' HOBBY CLUB
1.	DANCE AND DRAMATICS CLUB
2.	MUSIC CLUB
3.	LITERARY AND DEBATING CLUB
4.	QUIZ CLUB
5.	PAINTING CLUB
6.	PHOTOGRAPHY CLUB
7.	SCIENCE AND HOBBIES CLUB
8.	ELECTRONIC AMATEURES AND HAM CLUB
9	NATURE CLUB
10.	VALUE EDUCATION CLUB
11.	INNOVATION AND ENTREPRENEURSHIP CLUB
12.	FILM COMMITTEE

All the above student Associations and Clubs have organized various co-curricular and extra-curricular activities throughout the year. Many competitions were held to identify and reward talent of the students in various fields.

LITERARY AND DEBATING CLUB

The Literary and Debating Club, one of the most active, began its busy schedule with Mock Press, an event exclusively aimed at I B.Tech students, a stage for display of wit, humour and presence of mind in which contestants assume given roles. This was followed by Lantern, a talent search competition, a team event, again meant for spotting the talent among the freshers. This is an entertaining medley of creative and expressive skills, the winning team holding aloft the Lantern, literally! The debating club conducted year-long activities like crosswqords, JAM, word games and a long, keenly-fought Scrabble tournament. The Spelling Bee was a new addition last year and some of the new, younger batch of students gave tough competition to the seniors. Another highlight of the club's schedule is Intramural competitions which foster a competitive atmosphere .Students battle it out in teams of three representing various branches of engineering. Popularly called the LND, the club played its own distinctive part in contributing to the success of Springspree.

QUIZ CLUB

The Quiz Club was busy holding its contests and thrilling the members with a variety of quizzes on movies, sports, general studies, Cartoons and comics and as many as 8 Joga Bonito Rounds throughout the year. The special events at Intramurals and Springspree brought the competitions alive and often led to dramatic finishes. India quiz and business quiz and Music quiz were some of the highlights. Shyamal and A.Krishnan qualified for the final round of the top 8 in the regional edition of The Tata Crucible Quiz –2010 conducted in Hyderabad. Sewveral NT quiz club members qualified for the final round in MOOD INDIGO, a contets organsied by IIT Mumbai.. Gokul and Krishnan, Pranav Sharma and Kruthika kumar took the honours there. Some of the members like K.S.Venkatakrishnan and Prashant Sekar and H.Padmanabhan participatedin their annual QFI Open quizzes last year too. K-Circle, Hyderabad, comprising some NITW alumni, conducted many quizzes on the campus.

MUSIC CLUB

The Music Club began its activities for the year with its Inaugural on the opening day of TECHNOZION 2010. The hour and a half programme held the audience spell-bound. The club experimented with the idea of acoustic shows in which there were only guitars and no drums. The club lent its magic tot eh Golden Jubilee Celebrations of the institute by performing a cultural nite which took the older alumni down the memory lane. The well-rehearsed show it put up in October at the end of the first semester went well with the young audience. The Valedictory was another hit with about twenty songs thrilling the audience.

PAINTING CLUB

The Painting club caters to the creative talents of students in this field. It spots the talent and nurtures it .Powered by 30 budding artists and supervised by seasoned senior students the club organized many activities. The CHITR 2010 Competition open to the Warangal citizens drew much appreciation from the art-loving city public.With Club Secretray leading from the front, the club conducted Rangoli and Mehendi competition on the eve of Diwali for the ladies community of Warangal. Further, the club decked out the stage during the Golden Jubilee Celebrations and designed the logo and banner of the Celebrations. As an addition, the club held the Gliders and Kite-making contest in January. During Springspree, the imagination of the club members soared to new heights and Veggies Sculpt, Rangoli, Face Art, Graffiti were the cynosures of the crowds. The year ended with Spray Painting and the Valedictory.

SCIENCE AND HOBBIES CLUB

The Science and Hobbies Club held a number of events last year .They included Science quiz, Puzzle Mania, Corona (SEDS India Chapter under Science and Hobbies club), Crossudoku, Udaan, Quarks and Mission Possible. Several prizes were given away to encourage participation.

DANCE AND DRAMA CLUB

One of the most popular and favourite clubs, the Dance and Drama Club, abbreviated as DnD, organized many competitive as well as entertaining events spread across the academic year. The club successfully coordinated the first "Audi Nite" during Springspree and prior to that gave an impressive display during the Technozion. The club left its mark on the Golden Jubilee Celebrations of the institute in a grand performance featuring nearly 100 students. The club sent a 32 member contingent for MOOD INDIGO in IIT Mumbai.Yet another highlight is the annual Inter-branch competition in drama called ZeroGravity in February 2010. The club also held a thre-day workshop on Jazz, Hip Hop and Contemporary dance styles with a tie up with John Brittoe Dance Company. The Dn D club lived upto the expectations of the student body.

FILM COMMITTEE

The film Committee, predictably close to the hearts of the students, had a hectic schedule. It screened as many as 37 movies on various occasions, in addition to two French movies. Some of the major events of the Committee include the screening of films related to a category, like The Oscar Week in which the top three Oscar winning films of 2009 were exhibited. Then came at intervals the Bengali week, the Bollywood week, the Tollywood week and the Film Festival.. The Cinema Audio System in the auditorium was fully repaired and the quality of screening improved noticeably. This was appreciated by all students.

PHOTOGRAPHY CLUB

The Photography club worked busily last year. The talent of the NITW students came out in brilliant display in various events and contests held throughout the year. The Traithlon gave three themes per day and students submitted interesting visuals on themes like poverty, flowers and sunset. There was the Tasveer, a grand photo exhibition in the foyer of the auditorium. It also helped students to learn innovative techniques in photography. Durng Springspree, Hexathlon was conducted in which contestants submitted snaps on six themes in two days. The Spree Dash was another competition in which the goal was to cover all the events of Springspree. The Photoshop contest provided the participants with a soft copy of a photograph and asked them to edit it with adobe Photoshop software.The club executive members gave a lecture-demo on Photoshop which was well-received . The Short Film Contest required a film of 10 minutes duration to be produced by contestants, again a good attempt. Munera Dash tested the abilities of participants in covering fast sports action in football, basket ball table tennis and so on. Thematica is a weekly event that engages the students all through the year. The club is gearing up for more and varied events.

NATURE CLUB

The Nature Club made its presence felt. It began the year with a tree plantation programme for the Silver Jubilee Alumni batch and followed it up with a Nature quiz and a Speak up for Nature activity.The club started two blogs to reach out to students. Because of the club's initiative, dustbins were set up all over the campus at select points in a bid to improve cleanliness of the campus. Another major step forward was taken by affiliating the club with WWF-India (World Wide fund for Nature). The club started its own Newsletter to keep the student community posted with developments and its plans. With the help of WWF, campaigns for preserving wildlife, conserving energy and water and forests were taken up. The club is determined to carry on the fight against global warming.

INNOVATION ANS ENTREPREAUNERSHIP CLUB

The Innovation club launched its web site and screened a film on the basics of emergence of Silicon Valley. The members interviewed DR.B.N.Suresh, Director, Indian Institute of Space Science and Technolgy to know more about the secrets of success formula. The club organized an interactive session on " Internet: A Revenue Generator".. Then there was a session on Company Registration and the Legalities involved. Further, there was an event on " Blogging to Bucks: How to make money from blogs and Facebook". Finally, the club started a website, a virtual stock market trading during Springspree 2010.

ELECTRONIC AMATEURS AND HAM CLUB

The club encourages all students and HAM buffs by organizing lectures and workshops and quizzes in the field. The club began with a basic seminar on Robotics aimed at first B.Tech students. The Executive members of the club conducted a robotics event called Rover during TECHNOZION. The club also held a quiz on communications theory. One of the students conducted a Robotics Demo based on his work at IIT Madras. Another highlight was the lecture on digital communications given to club members by Dr.Mohan, Director, NIAR.Dr.Rama Prabhu, Senior Manager, HFCL, conducted a two-day workshop-cum-seminar on design of JOTA receiver.

VALUE EDUCATION CLUB

The Centre began on a positive note by giving teachers hand-made greeting cards on the Teachers' Day, the cards were prepared by the members of the club . A Freshers Day event took the club inot the vast first year student body who need to be educated on many things. To improve the use of vernacular languages, the Centre encouraged students to write letters in their mother tongue. The Incredible India quiz enthused the first year students. Another main event was Prabandh Likhan, the essay-writing contest. The Centre organized a lecture on "Challenging Journey toward Success'. Dr. V.Sai Prasad, a student at ISB, Hyderabad. From another angle, the lecture given by Dr.Omkara Perumal on Ethics and Engineering was thought-provoking. Finally, the club organsied a lecture by Prof T.K.V.Iyengar on the Art of Living in this Modern World".

TECHNOZION

This technical competition being conducted by NIT Warangal has become its flagship event, growing in scale and popularity. The contest has come to be looked upto by students eager to participate from other institutions. The online registrations have doubled again and those contests started a week before the main event. The Inaugural was purposeful and brief as participants kept joining the festival late into the day. The Chief Guest Prof. D.N.Reddy encouraged the students to bring out their best through exposure to events like this and develop their leadership skills and overall personality .Students must be innovative and imaginative and learn to use technologies to the benefit of the society. Technozion has become the stage for keen competition and students from all over the country showcased their talents in events like Robotics, Air Show, Junkyard Robots, Car racing and so on.. Participants from outstation colleges numbered 1200 with 350 students registering for the Robotics workshop organized by Technophilia Pvt. Ltd. .The various technical workshops conducted on emerging areas drew heavy crowds. The Technozion website received more than four lakh hits in a short span of time. Dr.Goplakrishna, CEO of Infosys was the Chief Guest at the Valedictory in which prizes were distributed to the winning contestants.

The Civil engineering students came up with B-Plan and Vendue .Their Treasure Hunt stole the show. The Electrical Engineering had another first by allowing students to set up their own transmitting stations and generating stations online and trade power.The Circuit Design and Simulation contests were challenging. The junkyard Wards of the mechanical engineering department was ingenious and received more than 300 entries. CAD design and model making contests were very demanding. The Digital Logic Contest of the ECE created much interest; their trouble-shooting and design competitions were well- received. There were technical quizzes and crosswords by Metallurgy department and the Chemical department hosted a poster and paper presentation and a technical quiz. The computer Science department drew lots of crowds with its online hacking and coding to onsite software design and debugging contests. The all-night software design contest generated new ideas. On the whole, Technozion of NITW lived upto its reputation.

IEEE STUDENT BRANCH ACTIVITIES

The IEEE Student branch elected its Executive members for the year. It started with a tutorial for robotics enthusiasts delivered by two student branch members. The branch then organized its annual national level paper presentation contests known as Vyas. The next event was the region 10 Students Congress at Chennai organised by SSN College of Engineering.The IEEE NITW branch was adjudged the Most Vibrant Student Branch in Region 10.The students interacted with students from various countries . The NITW branch also won the Exemplary Student Branch award for the year.

SPRINGSPREE (March 5–7· 2010)

This cultural festival, for long a matter of pride since the days of the then REC, is a fine blend of numerous talents including music, art, dance and literature. It has been painstakingly put together by the active student clubs of the institute, viz., the Dance and Dramatics Club, the Literary and Debating Club, the Music Club, the Painting Club and the Quiz Club. The cultural festival started on the evening of March 4th with the inaugural function. The Inaugural was a glittering function, the chief Guest being Prof. C.S.Jha, former Director of IIT Kharagpur who claimed that these festivals develop the overall personality of participants and help them cope with new people and new situations. The Dean Students Affairs Prof. I.A.K.Reddy outlined the evolution of the Springspree and admired the efforts of Student Coordinator Saurabh Mittal and his team members. The Staff Advisor Prof C.S.R.K.Prasad appreciated the flair of the students in these fields. Prof.Y.V.Rao, the Director said that tenacity and lateral thinking were the secrets of success. Hobbies would provide the essential life work balance A Cultural evening, a sterling performance, by the talented students of NIT Warangal followed. New events included this year are, NIT Model United Nations (NITMUN), Allure (Fashion Competition), Tear-It Up (Hip Hop Challenge) and IRA (National all college Rock Competition).

Various other events organised are: Classical music and dance competitions, Hindi and Telugu Antakshari, Sudoku, TV shows theme quiz as well as a Literary, Entertainment Quiz, Veggie sculpt, Scrabble, Fashion competition, Rock Band competition, Kite-flying, Junkyard Fashion, Tollywood quiz, English jam, sports quiz and General quiz, Graffiti, Light Group, Western solo and Western Group Singing Competitions, Sand sculpting, Movie spoof contest, Stick-Mata, Group dance competition, Theme based photography. Workshops organised as part of Springspree are: The Salsa (mexican style) workshop, Animation workshop, and DJ workshop. The pro nites were largely devoted to western music shows thoroughly enjoyed by the happy crowds. The overall championship was won by NIT warangal, some major prizes going to C.J.I.T Jangaon and Hyderabad colleges.

PART - II

AUDIT REPORT AND ANNUAL ACCOUNTS

2009- 2010

Separate Audit Report of the Comptroller & Auditor General of India on the Accounts of the National Institute of Technology, Warangal for the year ended 31 March 2010

We have audited the attached Balance Sheet of National Institute of Technology, Warangal as at 31 March 2010 and the Income & Expenditure Account / Receipts & Payments Account for the year ended on that date under Section 19(2) of the Comptroller & Auditor General's (Duties, Powers & Conditions of Service) Act, 1971 read with Section 22(2) of the national Institute of Technology Act 2007. These financial statements are the responsibility of the Institute's Management. Our responsibility is to express an opinion on these financial statements based on our audit.

2. This Separate Audit Report contains the comments of the Comptroller & Auditor General of India (CAG) on the accounting treatment only with regard to classification, conformity with the best accounting practices, accounting standards and disclosure norms, etc. Audit observations on financial transactions with regard to compliance with the Law, Rules & Regulations (Propriety and Regularity) and efficiency-cum-performance aspects, etc., if any are reported through Inspection Reports/CAG's Audit Reports separately.

3. We have conducted our audit in accordance with auditing standards generally accepted in India. These standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatements. An audit includes examining, on a test basis, evidences supporting the amounts and disclosure in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of financial statements. We believe that our audit provides a reasonable basis for our opinion.

4. Based on our audit, we report that:

i We have obtained all the information and explanations, which to the best of our knowledge and belief were necessary for the purpose of our audit;

ii The Balance Sheet and Income & Expenditure Account / Receipts & Payments Account dealt with by this report have been drawn up in the Uniform Format of Accounts prescribed by the Ministry of Finance.

iii In our opinion, proper books of accounts and other relevant records have been maintained by the Institute as required, in so far as it appears from our examination of such books.

iv We further report that:

A Balance Sheet

1 Liabilities

1.1 Consolidated Annual Accounts
Earmarked / Endowment Funds

(i) The amounts to be refunded to Government of Andhra Pradesh were shown under earmarked funds resulting in overstatement of earmarked funds by ₹11.88 lakh and understatement of current liabilities by that extent.

(ii) The amounts collected from staff towards sanitation and electrical charges were shown under earmarked funds resulting in overstatement of earmarked funds by ₹1.45 crore.

(iii) Amounts representing cooperative stores deposit etc were included in earmarked funds instead of showing them under other liabilities resulting in overstatement of earmarked funds by ₹10.23 lakh and understatement of other liabilities by that extent.

1.2 **TEQIP Annual Accounts**
Corpus / Capital Fund

In annual accounts of TEQIP, opening balance was shown as ₹17.91 crore whereas the closing balance as per 2008-09 annual accounts was ₹17.65 crore resulting in overstatement of Corpus / Capital fund by ₹26.00 lakh both in TEQIP balance sheet and consolidated balance sheet.

2. Assets

2.1 College Annual Accounts

2.1.1 Fixed Assets

(i) An amount of ₹41.23 lakh being the capital expenditure incurred towards water supply was treated as revenue expenditure resulting in understatement of Fixed Assets and overstatement of deficit by that extent.

(ii) A capital expenditure of ₹8.54 lakh incurred on purchase of software and hardware items, equipment etc was treated as revenue expenditure resulting in understatement of Fixed Assets and overstatement of deficit by that extent.

(iii) The assets created out of earmarked funds were not depicted in Schedule-8 Fixed Assets and Schedule 3 Earmarked / Endowment Funds of College Balance Sheet and Consolidated Balance Sheet as per Uniform Format of accounts for Central Autonomous Bodies. Due to this, Fixed Assets and Earmarked Funds were understated to the extent of ₹103.79 lakh.

2.1.2 Current Assets, Loans, Advances etc.

Interest accrued on investments of Earmarked / Endowment funds was not accounted for resulting in understatement of "Current Assets, Loans and Advances" and "Additions to the Funds" in "Schedule-3 Earmarked / Endowment Funds" by ₹17.57 lakh.

2.2 **TEQIP Annual Accounts**
Fixed Assets – Buildings – Free Hold Land

(i) In annual accounts of TEQIP, opening balance was shown as ₹1.47 crore whereas closing balance as per 2008-09 annual accounts was ₹1.21 crore which resulted in overstatement of opening and closing balances of 'Buildings – Free hold land' by ₹26.00 lakh both in TEQIP balance sheet and Consolidated balance sheet.

(ii) Capital expenditure amounting to ₹5.14 lakh towards purchase of software and hardware items was not capitalized resulting in understatement of fixed assets and overstatement of expenditure to that extent.

B General

1. The Accumulated liability on payment of interest on the balance amount of loan of ₹ 48.52 lakh from Government of India was not provided in the accounts resulting in understatement of liabilities.

2. Significant Accounting Policy No.2 states that all revenue and expenses are accounted on cash basis except interest received on Bank deposits and Government grants. The Institute may follow the accrual basis of accounting instead of cash basis in respect of all transactions.

C Lack of Response to Audit Comments

The audit comments were issued to the institute on 29.09.2010 with a request to furnish the replies within 15 working days, but no reply was received.

D Grants-in-aid

Out of total grants-in-aid of ₹173.02 crore, which includes opening balance of ₹39.10 crore and grants received during the year ₹133.92 crore (₹37.50 crore was received in March 2010), the Institute utilized a sum of ₹157.80 crore leaving a balance of ₹15.22 crore as un-utilised grant as on 31 March 2010, met out of internal resources and other funds.

E Management Letter

Deficiencies which have not been included in the Audit Report have been brought to the notice of the Director, National Institute of Technology, Warangal through a management letter issued separately for remedial / corrective action.

v. Subject to our observations in the preceding paragraphs, we report that the Balance Sheet and Income & Expenditure Account / Receipts & Payments Account dealt with by this report are in agreement with the books of accounts.

vi. In our opinion and to the best of our information and according to the explanations given to us, the said financial statements read together with the Accounting Policies and Notes on Accounts, and subject to the significant matters stated above and other matters mentioned in the Annexure to this report give a true and fair view in conformity with accounting principles generally accepted in India.

a. In so far as it relates to the Balance Sheet, of the state of affairs of the National Institute of Technology, Warangal, as at 31 March 2010; and

b. In so far as it relates to Income & Expenditure Account of the deficit for the year ended on that date.

For and on behalf of the Comptroller and Auditor General of India

Place: Hyderabad
Date : 18.11.2010

Principal Accountant General

Annexure to Separate Audit Report

1 **Adequacy of Internal Audit System:**

No internal auditor was appointed for conducting internal audit due to which internal audit was not conducted for the year 2009-10.

2 **Adequacy of Internal Control System**

The Internal Control System is not adequate and not commensurate with the size and nature of the Institute. Internal control mechanism was analysed and Audit noticed that

- Cash Books and bank Accounts were not maintained separately for Non-Plan Grants, Plan Grants, Plan-OBC Grants and Earmarked/Endowment Funds.
- Bank Reconciliation is not conducted regularly.
  - Confirmation of balance as on 31-03-2010 was not obtained in respect of SBH Bank Account Number 6208192487.
  - There are direct credits amounting to ₹6039537.92 which are to be reconciled.
  - An amount of ₹2026887/- deposited in bank was remained as unrealised deposit to the end of 31-03-2010.
  - An amount of ₹666448/- directly debited by the bank was not reconciled.
- Some of the TDRs are in the name of the individuals instead of the Funds concerned.
- The registers of Investments of GPF, Endowments, College, Corpus maintenance, Depreciation, Staff Development Funds were not closed during the year 2009-10 duly certifying the closing balances of TDRs.
- TDS was not deducted from the payments of car hiring charges.
- The pattern of investments notified by the Ministry of Finance for investing GPF balances was not adhered to.
- Revalidation orders from Government of India for utilisation of unspent grants at the beginning of the year and at the end of the year were not obtained.
- The Institute is not having any Accounts Manual.

3 **System of Physical Verification of fixed assets**

Physical verification of Fixed Assets was not conducted for the year 2009-10. Consolidated Fixed Assets Register is not being maintained by the Institute.

4 **System of Physical verification of inventory**

Physical verification of inventory was not conducted for the year 2009-10.

5 **Regularity in payment of statutory dues:**

The Institute is not regular in payment of statutory dues. Statutory Liability towards sales tax amounting to ₹1,03,820/- was not paid as on August 2010 by the Institute.

G. L. Sanyasi
Deputy Accountant General (IC-II)

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL
SIGNIFICANT ACCOUNTING POLICIES & NOTE TO THE ACCOUNTS

01	General	:	These accounts are prepared on the Historical Cost basis and on the Accounting principles of going concern.
02	Revenue Recognition	:	All Revenue and Expenses are accounted on cash basis except Interest received on Bank deposits and Govt. Grants where accrual basis of accounting is followed.
03	Fixed Assets	:	Fixed assets are stated at cost acquisition and include other direct/indirect and incidental expenses incurred to put them into use. The Institute maintains registers of Fixed Assets etc.; Department wise, centralized assets register is not maintained. During the year the Institute has capitalized an amount of Rs.97,40,69,773/- in respect of Instructional Buildings, Staff Quarters and Hostel Buildings.
04	Depreciation	:	Depreciation has not been provided in the books of accounts. As and when asset is declared as unserviceable / absolute, after obtaining the order of the competent authority and after following the prescribed procedure, action is taken to write off the value of such assets in the annual accounts
05	Inventories	:	Cement, Central Stores, Steel and FDD's are valued at cost. Physical verification is to be conducted once in two years except in the case of Library Books / Volumes. In respect of Library Books this item of work is carried out at intervals of not more than 5 years, as the collections in the Central Library are more than 1,50,000 volumes.
06	Investments	:	The Institute invests Provident Fund money in Public Sectors banks, as per the pattern of Investment communicated by the Government of India. The Institute also invests money available out of the Plan grants not required for immediate use and also other funds in Short Term Deposit Account with the Nationalized Banks with a view to earn interest to generate internal revenue. The revenue is accounted on accrual basis.
07	Capital/Revenue Expenditure	:	The Institute follows the provisions of General Financial Rules and other orders issued by the Government of India from time to time.

08 Land : a) Land purchased by the Andhra Pradesh State Government and handed over to National Institute of Technology, Warangal: 248.0 Acres.
b) A.P. Tourism Development has handed over the Land and Building to the Institute on 30-06-2007. The value of the Building not exhibited in the Main Accounts and it is yet to be valued. The cost of the Building will be exhibited in Annual Accounts for the year 2010-11.
c) Land leased to APSEB for erection of 33/11 KV Sub-Station (4000 Sqm.) 0.988 Acres.
d) Land leased to Tele-Communication Department for construction of Telephone Exchange for 30 years from 10-06-1982 (1446 Sqmts): 0.357 Acres.
e) Land leased to Software Technology Park of India 1.981 Acres.
f) Land measuring 1255 Sq.mtrs (0.310 Acres) leased to State Bank of Hyderabad, Warangal NIT Branch.
g) Land available with the National Institute of Technology, Warangal: 244.345 Acres.
h) The Liability on Gratuity has not been provided in accounts and as the accounts on cash basis.

09 During the year, the Institute consolidated the Main Accounts PF and TEQIP Accounts as per the AG Audit Advice shown the total figure in books.

10 The Non-Plan grant is treated as Income and accounted during the year as per the AG Audit Advice.

11 The deficit money in respect of Non-Plan grant is transferred to Capital fund in view of the AG audit advice.

12 The value of land exhibited in Books at Re.1 as per Auditor advice.

13 For the purpose of Comparison, with the previous year, the CWIP shown separately under Sch-8, as the current year CWIP is exhibited under Fixed Assets Schedule.

14 All India Council for Technical Education, Quality Improvement Programme (AICTE QIP) Medical Insurance Premium and ISTE STTP NV Uma Mahesh have incurred Administrative Non-Plan Expenses resulting in Negative Balance which was shown under Schedule 11 under Asset side as Receivables.

15 All remaining finding have been executed during the financial year 2009-2010

16 Rs. 55.77 lakh due from Government of Andhra Pradesh towards reimbursement of Tuition Fee on account of providing Free Technical Education for the period 1993-94 to 2005-06 have also not been shown as Receivables, which will be accounted during the Financial Year 2010-11.

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL

CONSOLIDATED BALANCE SHEET AS AT 31-03-2010

(Amount in Rupees)

	SCHEDULE	Current Year	Previous Year
CORPUS/ CAPITAL FUND AND LIABILITIES			
Corpus/Capital Fund	1	1131900385	1190072117
Reserves and Surplus	2	1915400000	1290400000
Earmarked/Endowment Funds	3	317027476	199763909
Secured Loans and Borrowings	4	0	0
Unsecured Loans and Borrowings	5	4851955	4886313
Deferred Credit Liabilities	6	0	0
Current Liabilities and Provisions	7	77430765	61775919
TOTAL		3446610581	2746898258
ASSETS			
Fixed Assets (Capital Assets)	8	1884133787	850424049
--- Capital Work in Progress	8	1157495443	1116894011
Investments - From Earmarked / Endowment Funds	9	79671499	44611429
Investment – Others	10	135800000	111430000
Current Assets, Loans, Advances Etc.	11	189509852	623538769
Miscellaneous Expenditure			
(to the extent not written off or adjusted)			
TOTAL		3446610581	2746898258
Significant Accounting Policies	24		
Contingent Liabilities and Notes on Accounts	25		0

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL

SCHEDULES FORMING PART OF CONSOLIDATED BALANCE SHEET AS AT 31-03-2010

SCHEDULE - 1 - CORPUS / CAPITAL FUND		Main College	PF Details	TEQIP Details	Total
	Balance as at the beginning of the year	894020362	119555524	179078697	1192654583
Add:	Contributions towards Corpus/Capital Fund	0	38585455	0	38585455
Add:	Conbutions receivable towards Capital Fund	0	0	0	0
Add:	Surplus of Grant received earlier years - Non - Plan Grant	0	0	0	0
Add/Less	Balance of the net income/(exp) transferred from the				
	Income and Expenditure Account	-76732213	0	-1236495	77968708
Less:	Interest surplus to the end of the scheme transferred to NIT Warangal	0	0	-5390151	-5390151
Less:	Unspent balance refunded as per list (2007-2008)	0	0	0	0
Less:	Land value reduced as per AG audit advice	0	0	0	0
Less:	Plan Recurring Expenditure	-117693	0	0	-117693
Less:	Payments during the year out of Capital Fund	0	-15863101	0	-15863101
	TOTAL	817170456	142277878	172452051	1131900385

SCHEDULE - 2 - RESERVES AND SURPLUS		Main College	PF Details	TEQIP Details	Total
1	Capital Reserve:				
	As per the last account	1290400000	0	0	1290400000
	Add: Additions during the year	625000000	0	0	625000000
	Add: Additions during the previous year adjusted during 07-08 as per	0	0	0	0
	C&AG Advise				
2	Revaluation Reserve:	0	0	0	0
	As per the last account	0	0	0	0
	Add: Additions during the year	0	0	0	0
	Less Deductions during the year	0	0	0	0
3	Special Reservce:				
	As per the last account	0	0	0	0
	Add: Additions during the year	0	0	0	0
	Less Deductions during the year	0	0	0	0
4	General Reserve:				
	As per the last account	0	0	0	0
	Add: Additions during the year	0	0	0	0
	Less Deductions during the year	0	0	0	0
	TOTAL	1915400000	0	0	1915400000

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL					
SCHEDULES FORMING PART OF CONSOLIDATED BALANCE SHEET AS AT 31-03-2010					
	SCHEDULE - 5 - UNSECURED LOANS AND BORROWINGS	Main College	PF Details	TEQIP Details	Total
1)	Central Government	4851955	0	0	4851955
2)	State Government (Andhra Pradesh)	0	0	0	0
3)	Financial Institutions	0	0	0	0
4)	Banks	0	0	0	0
5)	Other Institutions and Agencies	0	0	0	0
6)	Debentures and Bonds	0	0	0	0
7)	Due to Govt of India (Grant Excess Received)	0	0	0	0
8)	Others (Specify)				
	--- EMD (Procurement)				
	--- Performance Guarantee Refundable				
	--- EMD (Civil)	0	0	0	0
	TOTAL	4851955	0	0	4851955
SCHEDULE - 7 - CURRENT LIABILITIES AND PROVISIONS		Main College	PF Details	TEQIP Details	Total
A)	CURRENT LIABILITIES				
1)	Acceptances	0	0	0	0
2)	Sundry Creditors	0	0	0	0
3)	Advances Received				
	---- Government of India	0	0	0	0
	---- Government of Andhra Pradesh	9031891	0	0	9031891
4)	Interest accrued but not due on :	0	0	0	0
5)	Statutory Liabilities				
	--- GLIS	31092	0	0	31092
	--- LIC (SSS)	-182	0	0	-182
	--- Professional Tax	106	0	0	106
	---Sales Tax	103820			103820
	---Labour Commissioner (CESS)	384734			384734
	--- EPF	0	0	0	0
	--- Income Tax Provision	70910	0	0	70910
	--- Provident Fund Subscription	0	0	0	0
6)	Other Liabilities				
	--- Lab & Library Deposit	18204800	0	0	18204800
	--- Earnest Money Deposit	38816171	0	770	38816941
	--- Other Deposits	956501	0	0	956501
	--- Deposit for Rent and Other Service Charges	2000	0	0	2000
	--- Admission Deposit	6349264	0	0	6349264
	--- Library Deposit	0	0	0	0
	--- Security Deposit	0	0	0	0
	--- ICC R&D Deposit Account	11000	0	0	11000
	--- Library books purchased out of Students Fund	3216399	0	0	3216399
	--- Security Deposit for Staff Quarters	51840	0	0	51840
	TOTAL : (A)	77230346	0	770	77231116

B)	PROVISIONS				
1)	For Taxation				
	--- Sales Tax Payable				
2)	Gratuity				
3)	Superannuation / Pension				
4)	Accrued Leave Encashment				
5)	Trade Warranties / Claims				
6)	Others (specify) .....Other Deposits Account .....Interest Suspense Account	 0 0	 0 199649	 0 0	 0 199649
	TOTAL : (B)	0	199649	0	199649
	TOTAL : (A) + (B)	77230346	199649	0	77430765

SCHEDULE - 8 - FIXED ASSETS					
Particulars		Main College	PF Details	TEQIP Details	Total
A.	FIXED ASSETS				
1	Land				
	a) Freehold Land	1	0	0	1
	b) Leasehold Land	0	0	0	0
2	Buildings				
	a) Freehold Land	1338409995	0	14702290	1353112285
	b) Leasehold Land	0	0	0	0
	c) Ownership Flats/Premises	0	0	0	0
	d) Superstructures on Land not belonging to the entity	0	0	0	0
3	Plant,Machinery and Equipment	282680238	0	104287799	386968037
4	Vehicles	2678648	0	0	2678648
5	Furniture, Fixtures	41372432	0	5305346	46677778
6	Office Equipment	0	0	8424982	8424982
7	Computer/Peripherals	29291382	0	11740161	41031543
8	Electric Installations	340000	0	0	340000
9	Library Books & Learning Resources	13769720	0	27992243	41761963
10	Tubewells and Watersupply	0	0	0	0
11	Other Fixed Assets	3138550	0	0	3138550
12	Work in progress	1157495443	0	0	1157495443
TOTAL		2869176409	0	172452821	3041629230

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL
SCHEDULES FORMING PART OF CONSOLIDATED BALANCE SHEET AS AT 31-03-2010

(Amount in Rupees)

SCHEDULE - 9 - INVESTMENTS FROM EARMARKET/ENDOWMENT FUNDS		Main College	PF Details	TEQIP Details	Total
1)	In Government Securities	0	0	0	0
2)	Other approved Securities	0	0	0	0
3)	Shares	0	0	0	0
4)	Debentures and Bonds	0	0	0	0
5)	Subsidiaries and Joint Ventures	0	0	0	0
6)	Other (Specify)	0	0	0	0
	--- Fixed Deposits with banks	3034500	0	0	3034500
	---Corpus Fund	66140000	0	0	66140000
	--- Maintenance Fund	3018188	0	0	3018188
	--- Depreciation Fund	4149851	0	0	4149851
	--- Staff Development Fund	3328960	0	0	3328960
	TOTAL	79671499	0	0	79671499

(Amount in Rupees)

SCHEDULE - 10 - INVESTMENTS - OTHERS		Main College	PF Details	TEQIP Details	Total
1)	In Government Securities	0	0	0	0
2)	Other approved Securities	0	0	0	0
3)	Shares	0	0	0	0
4)	Debentures and Bonds	0	0	0	0
5)	Subsidiaries and Joint Ventures	0	0	0	0
6)	Other (Specify)	0	0	0	0
	--- Fixed Deposits with State Bank of Hyderabad	0	135800000	0	135800000
	--- Investments in STDR's	0	0	0	0
	TOTAL	0	135800000	0	135800000

(Amount in Rupees)

SCHEDULE - 11 - CURRENT ASSETS, LOANS, ADVANCES		Main College	PF Details	TEQIP Details	Total
A)	CURRENT ASSETS				
1)	Inventories				
a)	Stores and Spares				
	--- Cement				
	--- Central Stores	15472	0	0	15472
	--- Steel	85660	0	0	85660
	--- FDD's	0	0	0	0
	--- LC Suspense	210894		0	210894
b)	Loose Tools	0	0	0	0
c)	Stock in Trade	0	0	0	0
	--- Finished Goods	0	0	0	0
	--- Work in Progress	0	0	0	0

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL
SCHEDULES FORMING PART OF CONSOLIDATED BALANCE SHEET AS AT 31-03-2010

(Amount in Rupees)

SCHEDULE - 11 - CURRENT ASSETS, LOANS, ADVANCES		Main College	PF Details	TEQIP Details	Total
A)	CURRENT ASSETS (Contd.....)				
2)	Sundry Debtors				
	--- Debts outstanding for a period exceeding six months				
	--- Others				
3)	Cash Balances in Hand				
	--- Main Cash Book	302868		0	302868
	--- Petty Cash Book	151054		0	151054
	---Fee Account (CASH)	1867892			1867892
	--- Imprest with departments	135950	0	0	135950
4)	Bank Balance				
a)	With Scheduled Banks				
	--- On Current Accounts	147645806	0	0	147645806
	--- On Deposit Account (including Margin Money)	0	0	0	0
	Short Term Deposit Account	0	0	0	0
	Fee Account (Bank)	3681838	0	0	3681838
	--- Cheques on hand	0	0	0	0
	--- On Saving Accounts	195313	253143	0	448456
b)	With Non - Scheduled Banks				
	--- On Current Accounts				
	--- On Deposits Account				
	--- On Saving Accounts				
5)	Post Office Saving Accounts				
6)	Contributions receivable towards Capital and Non-Plan Grant at the end of 03/09	0	0	0	0
	TOTAL : (A)	154292747	253143	0	154545890
B)	LOANS,ADVANCES AND OTHER ASSETS				
1)	Loans :				
a)	Staff :				
	--- Festival Advances	248400	0	0	248400
	--- Marriage Advances	0	0	0	0
	--- Others(Specify) TA /DA Advance	0	0	0	0
	--- Others Advances for FLC	0	0	0	0
b)	Other Entities engaged in activities / objectives similar to that of Entity				
c)	Others (Specify)				
	--- Deposit with Other Departments	4333630	0	0	4333630
	--- Deposit with CPWD	23226601	0	0	23226601

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL

SCHEDULES FORMING PART OF CONSOLIDATED BALANCE SHEET AS AT 31-03-2010

(Amount in Rupees)

SCHEDULE - 11 - CURRENT ASSETS, LOANS, ADVANCES		Main College	PF Details	TEQIP Details	Total
B)	LOANS, ADVANCES AND OTHER ASSETS (Contd.....)				
2)	Advs and other amounts recoverable in Cash or in Kind or for value to be received				
a)	On Capital Account				
b)	Prepayments				
c)	Others				
	--- Due from Government of India				
3)	Interest Accrued:				
a)	On Investment from Earmarked / Endowment Funds				
b)	On Investment - Others				
	On Bank Deposits				
c)	On Loans and Advances	0	6424384	0	6424384
d)	Others (includes income due unrealised Rs.....)				
4)	Claims Receivable				
	--- Due from Government of India (AICTE)				
	(a) PG Scholarship/Stipend	0	0	0	0
	(b) PR Contingent Expenditure	0	0	0	0
	(c) AICTE QIP Non - Plan	552428	0	0	552428
	(d) Medical Insurance Premia receivable	177559			177559
	(e) ISTE – STTP NV. Uma Mahesh	960			960
	(d) PR Library Grant	0			0
TOTAL : (B)		28539578	6424384	0	34963962
TOTAL : (A) + (B)		182832325	6677527	0	189509852

NATIONAL INSTITUTE OF TECHYNOLOGY, WARANGAL

CONSOLIDATED RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31-03-2010

(Amount in Rupees)

	RECEIPTS	Current Year	Previous Year		PAYMENTS	Current Year	Previous Year
I	Opening Balances:			I	Expenses		
	a) Cash in Hand				a) Establishment Expenses	398102262	223437362
	--- Main Cash Book	1917081	1362985		b) Administrative Expenses	133181198	112911491
	-- Petty Cash Books	140739	86280				
	-- Imprest with Departments	54400	44700	II	Payments made against Funds for		
	b) Bank Balance				Various Projects	92376432	813727192
	--- In Current Accounts	23677375	39300766				
	--- In Deposit Accounts	0	0				
	--- Savings Accounts	8251946	487444	III	Investments and deposits made		
II	**Grants /Subscription/ Fund recd ---Towards Capital Grant ---Towards Revenue Exp.**	947400000 390448000	718000000 288800000		a) Out of Earmarked/ Endowment Fund	1300000	1010500
	-PF Subscription received -Endowment Fund received	28529873 1450000	15445875 1010500		b) Out of Own Funds	460238618	160106989
III	Income on Investments from			IV	Expenditure on Fixed Assets & CWIP	1071728704	92782058
	a) Earmarked/Endowment Funds	256458	146862				
	b) Own Funds (other Inv)	0	1504619	V	Refund of Surplus Money / Loans	69397844	0
IV	Interest Received			VI	Finance Charges		0
	a) On Bank Deposits	19383244	18639541	VII	Other payments	343902840	370331296
	b) Loans,Advances etc. (Only of college)	0	0				
	--- Rents from Hostels	16899397	7086750	VIII	CLOSING BALANCES		
	--- Licence Fee (Staff Quarters)	493821	621040		a) Cash in Hand		
	-- Rents from Guest House	862800	719060		--- Main Cash Book ---Fee Account(Cash)	302868 1867892	1917081 0
	--- Revenue Receipts from UG course	102105643	45153870		--- Petty Cash Books	151054	140739
	--- Revenue Receipts from MCA	0	0		--- Imprest with Departments	135950	54400
	--- Revenue Receipts from PG course	32084432	16307456		b) Bank Balance		
					-- In Current Accounts	151327644	23677375
V	Other Income (TEQIP)	4000	867927		-- In Deposit Accounts	0	0
VI	Amount Borrowed	63890000	0		--- Savings Accounts	448456	8251946
VII	Any Other Receipts	1086612553	652762754				0
	TOTAL	2724461762	1808348429		TOTAL	2724461762	1808348429

Enclosure to Consolidated Receipts and Payments				
RECEIPTS SIDE				
Item No. 1				
Opening Balances	Main College	PF Details	TEQIP Details	Total
1) Cash Balances in Hand				0
--- Main Cash Book	1899916	0	17165	1917081
--- Petty Cash Book	139739	0	1000	140739
----Fee Account (CASH)	0			
--- Imprest with departments	54400	0	0	54400
2) Bank Balance				
With Scheduled Banks				
--- On Current Accounts	17421242	0	6256133	23677375
---Fee Account (Bank)	0	0	0	0
--- On Saving Accounts	7340318	911628	0	8251946
Item No. 2				
Grant Received	Main College	PF Details	TEQIP Details	Total
a) From Govt. of India (College)				
--- Towards Capital Fund	947400000	0	0	947400000
--- Towards Revenue Exp	390448000	0	0	390448000
b) Grants received by TEQIP	0	0	0	0
c) Staff Subscription towards PF	0	25774349	0	25774349
d) Institute Contribution towards PF	0	2755524	0	2755524
c) Endowment Fund received (College)	0	0	0	0
TOTAL	1337848000	28529873	0	1366377873
Item No. 3				
Income on Investments from				
a) Earmarked / Endowments fund	256458	0	0	256458
b) Own funds	0	0	0	0
Item No. 4				
Interest Received	Main College	PF Details	TEQIP Details	Total
On Bank Deposits	7924652	11408585	0	19333237
Interest on STDRs	0	0	0	0
Interest on Saving Accounts	0	0	0	0
TOTAL	7924652	11408585	0	19333237

Enclosure to Consolidated Receipts and Payments

Item No. 7 of Receipts

Any other Receipts	Main College	PF Details	TEQIP Details	Total
--- Under Funded Accounts	211373449	0	0	211373449
--- Other Deposit Accounts	88257168	0	0	88257168
--- Investments Accounts	288278492	0	0	288278492
--- Advances Accounts	248237331	0	0	248237331
--- Other Items (St.Liabilities)	136800677	0	0	136800677
--- Purchases Accounts	480252	0	0	480252
--- Realisation of STDRs /FDRs	0	112430000	0	112430000
--- EMD (Procurement)	0	0	0	0
--- Advances	0	0	0	0
--- EMD – Civils	0	0	0	0
--- Deposits matured	0	0	0	0
--- Advances - FLC	0	0	77730	77730
TOTAL	973427369	112430000	77730	608069708

PAYMENT SIDE					
Item No.1					
Expenses		Main College	PF Details	TEQIP Details	Total
a)	Establishment Expenses	398102262	0	0	398102262
b)	Administrative Expenses	131890696	0	1290502	133181198
	TOTAL	529992958	0	1290502	531283460
Item No.2					
Payment made against Funds for Various Projects		Main College	PF Details	TEQIP Details	Total
a)	--- towards various funded accounts	76513331	0	0	76513331
b)	--- Staff Subscription	0	15863101	0	15863101
	--- Institute Contribution				
TOTAL		76513331	15863101	0	92376432
Item No.3					
Investment and deposits made out of own funds		Main College	PF Details	TEQIP Details	Total
Investment and deposits made out of own funds		324738618	136800000	0	461538618
TOTAL		324738618	136800000	0	461538618

Enclosure to Consolidated Receipts and Payments

Item No.4 of Payment side

Exepnditure on Fixed Assets & CWIP	Main College	PF Details	TEQIP Details	Total
Exepnditure on Fixed Assets & CWIP	1071728704	0	0	1071728704
TOTAL	1071728704	0	0	1071728704

Item No. 7

Any other Payments	Main College	PF Details	TEQIP Details	Total
--- Other deposits Account	73644958	0	0	73644958
--- Other Liabilities (St.Liabilities)	136241562	0	0	136241562
--- Purchases Accounts	480252	0	0	480252
--- Advancs Accounts	132748390	0	0	132748390
--- Endowment Payments	21000	0	0	21000
--- Govt of AP - Arrears of Pension paid	0	0	0	0
--- Refund of Capital Fund (Surplus)	0	0	0	0
--- MHRD Projects	0	0	0	0
--- Other Deposits	0	0	0	0
--- Advance to Staff	0	0	369248	369248
--- Refund of EMD	0	0	0	0
--- Advance FLC	0	0	0	0
TOTAL	343136162	0	369248	343505410

PAYMENT SIDE					
Item No. 8					
Closing Balances		Main College	PF Details	TEQIP Details	Total
1)	a) Cash in Hand				0
	--- Main Cash Book	302868	0	17165	320033
	--- Petty Cash Books	151054	0	1000	152054
	----Fee Account (Cash)	1867892	0	0	1867892
	--- Imprest with Departments	135950	0	0	135950
2)	b) Bank Balance	0	0	0	0
	--- In Current Accounts	147645806	0	6256133	153901939
	--- In Deposit Accounts	0	0	0	0
	--- Savings Accounts	195313	253143	0	448456
	----Fee Bank Account (Current a/c)	3681838	0	0	3681838
	--- Cheques on Hand	0	0	0	0
	TOTAL	153980721	253143	6274298	160508162

NATIONAL INSITUTE OF TECHNOLOGY, WARANGAL

CONSOLIDATED INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31-03-2010

(Amount in Rupees)

	SCHEDULE	Current Year	Previous Year
INCOME			
Income from Sale/Services	12	0	0
Grants/Subsidies	13	292890000	386358000
Fees / Subscriptions	14	119425809	53258399
Income from Investments (Income on Investment from earmarked/ endowment funds transferred to funds)	15	0	8426850
Income from Royalty	16	0	0
Interest Earned	17	18210048	4322616
Other Income	18	33024284	9070854
Increase/(decrease) in Stock of Finished goods and work-in-progress	19	0	0
TOTAL (A)		463550141	461436719
EXPENDITURE			
Estblishment Expenses	20	398102262	223437362
Other Administrative Expenses	21	143236780	112911491
Expenditure on Grants, Subsidies etc.	22	0	0
Interest	23	0	0
Depreciation (Net total at the year-end corresponding to schedul - 8)		0	0
TOTAL (B)		541339042	336348853
Balance being excess of Income over Expenditure (A-B)		-77788901	125087866
Transfer to Special Reserve (Specify each)		0	0
Transfer to /from General Reserve		0	0
BALANCE BEING SURPLUS/(DEFICIT) CARRIED TO CORPUS/CAPITAL FUND		-77788901	125087866
Significant Accounting Policies	24		
Contingent Liabilities and Notes on Account	25		

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL

SCHEDULES FORMING PART OF INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDING 31-3-2010

(Amount in Rupees)

SCHEDULE - 17 - INTEREST EARNED		Main College	PF	TEQIP	TOTAL
1)	On Term Deposits				
	a) With Scheduled banks	7924652	10235389	50007	18210048
	Less: Interest of the year 2006-07 received in 2007-08	0	0	0	0
	b) With Non-Scheduled Banks	0	0	0	0
	c) With Institutions	0	0	0	0
	d) Others	0	0	0	0
2)	On Savings Accounts	0	0	0	0
	a) With Scheduled Banks	0	0	0	0
	b) With Non – Scheduled Banks	0	0	0	0
	c) Post Office Savings Account	0	0	0	0
	d) Others	0	0	0	0
3)	On Loans	0	0	0	0
	a) Employees/Staff	0	0	0	0
	b) Others	0	0	0	0
4)	Interest On Debtors and Other Receivables	0	0	0	0
	--- Interest receivable on Fixed deposits	0	0	0	0
	TOTAL	7924652	10235389	50007	18210048

(Amount in Rupees)

SCHEDULE - 18 - OTHER INCOME		Main College	PF	TEQIP	TOTAL
4)	Miscellaneous Income	0	0	4000	4000
	--- Sale of Application Forms for PG Courses	80000	0	0	80000
	---From Students Hostels	16899397	0	0	16899397
	---From Staff Quarters / Licence Fee	493821	0	0	493821
	---From Guest House	862800	0	0	862800
	--- Issue of Identity Cards	145600	0	0	145600
	---Medical aid and Examination	0	0	0	0
	---Hostel Establishment Charges	4000	0	0	4000
	--- Other Miscellaneous Receipts	5544902	0	0	5544902
	--- Electricity & Water Charges from Hostels and Staff Quarters	8989764	0	0	8989764
	--- Training Fee Received	0	0	0	0
	--- Sale of Tender Schedules	0	0	0	0
	TOTAL	33020284	0	4000	33024284

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL

SCHEDULES FORMING PART OF INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDING 31-3-2010

(Amount in Rupees)

SCHEDULE - 20 - ESTABLISHMENT CHARGES		Main College	PF	TEQIP	TOTAL
A)	Salaries and Wages	308030405	0	0	308030405
B)	Allowances and Bonus	1096487	0	0	1096487
C)	Contributions to Provident Fund	0	0	0	0
D)	Contributions to Other Fund (Specify)	0	0	0	0
					0
E)	Staff Welfare Expenses				
	--- Hospital and Medical Charges	2035052	0	0	2035052
	--- Livery to Staff	192224	0	0	192224
	--- Medical Reimbursement Charges	119669	0	0	1196691
F)	Expenses on Employees "Retirement and Terminal Benefit Pension Payments"	85551403	0	0	85551403
TOTAL		398102262	0	0	398102262

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL

SCHEDULES FORMING PART OF INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDING 31-3-2010

(Amount in Rupees)

SCHEDULE - 21 - OTHER ADMINISTRATIVE EXPENSES ETC		Main College	PF	TEQIP	TOTAL
a)	Purchases	0	0	87138	87138
b)	FLC Charges	0	0	0	0
c)	Software Upgradation	0	0	0	0
d)	Electricity and Power and Water charges	29300129	0	0	29300129
e)	Insurance	0	0	0	0
f)	Repairs and Maintenance	6543052	0	0	6543052
g)	Excise Duty	0	0	0	0
h)	Rent, Rates and Taxes	347028	0	0	347028
i)	Vehicles running and Maintenance	921738	0	0	921738
j)	Postages, Telephone and Communication Charges	1048290	0	0	1048290
k)	Printing and Stationery	799772	0	0	799772
l)	Refreshment Expenses	0	0	0	0
m)	Travelling and Conveyance Expenses	0	0	0	0
n)	Miscelleneous Expenses	0	0	0	0
o)	Expenses on Fees	0	0	0	0
p)	Auditors Remuneration	5515	0	0	5515
q)	Hospitality Expenses	0	0	0	0
r)	Professional Charges (Legal Charges)	35376	0	0	35376
s)	Advertisement and Publicity	4030085	0	0	4030085
t)	Others (Specify)	0	0	0	0
	--- Faculty /Seminar/Simposia/Training of Staff & Faculty Development	82213	0	0	82213
	—Interest paid to Subscribes	0	10055582	0	10055582
	---Training of Faculty	0	0	660290	660290
	---Operation and Maintenance	0	0	543074	543074
	--- DOC Contigent Expenses (UG & PG)	1723283	0	0	1723283
	— Contingent for Special Faculty and allowances	2130816	0	0	2130816
	--- Security Staff Salaries	3640086	0	0	3640086
	--- Stipends /Scholarships	73322535	0	0	73322535
	--- Maintenance of Internet and E-mail	7136613	0	0	7136613
	— Computer Maintenance Charges	0	0	0	0
	----Guest House – Other Charges	345390	0	0	345390
	— Maintenance and Consumables / Operation and maint.	0	0	0	0
	--- Library Charges	0	0	0	0
	---Plan – Recurring (OBC)	0	0	0	0
	---Book Bank for needy students	0	0	0	0
	— Donations/Scholarships	0	0	0	0
	--- Other Miscellaneous Charges	478775	0	0	478775
TOTAL		131890696	10055582	1290502	143236780



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