

# Annual Report and Annual Accounts

## 2010 - 2011



**NATIONAL INSTITUTE OF TECHNOLOGY**

**Warangal**  
**Andhra Pradesh**

22

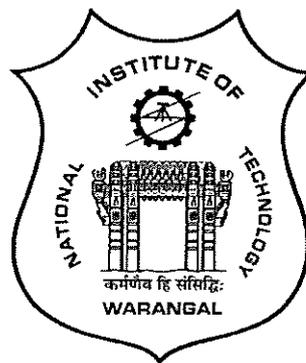
23

24

**PART - I**

# **ANNUAL REPORT**

**2010 - 2011**



**NATIONAL INSTITUTE OF TECHNOLOGY  
WARANGAL – 506 021  
ANDHRA PRADESH**



# CONTENTS

<b>PART – I</b>		<b>Page No.</b>
	<b>PROFILE OF THE INSTITUTE</b>	1
<b>1.0</b>	<b>INTRODUCTION</b>	
1.1	Mission Statement	3
1.2	Objectives	3
1.3	Education System	4
1.4	New Initiatives	5
<b>2.0</b>	<b>AN OVERVIEW</b>	
2.1	Historical Background	6
2.2	Location	8
2.3	Campus	8
2.4	Administration	9
2.5	Academic Programmes	9
2.6	Courses Offered	10
2.7	Admission procedure	12
2.8	Students	15
2.9	Examination & Evaluation	15
2.10	Placement	17
2.11	Games and Sports	19
2.12	Notable Achievements using Graphs, Charts, Diagrams	19
<b>3.0</b>	<b>THE STAFF</b>	
3.1	Academic Staff (Teaching)	24
3.2	Non-Academic Staff (Non-Teaching)	35
3.3	Placement of Staff for Academic Excellence	42

## PART - I

Page No.

<b>4.0</b>	<b>TEACHING PROGRAMMES</b>		
4.1	Courses offered	.....	79
4.2	Course- wise Enrollment with Sex, Caste brake-up	.....	81
4.3	Admission Statistics – UG/PG Programmes course-wise	.....	86
4.4	Students total strength	.....	91
4.5	The Hostels	.....	91
4.6	Scholarships/Assistance	.....	93
4.7	Games and Sports	.....	96
4.8	Awards	.....	97
4.9	Examination Details	.....	98
<b>5.0</b>	<b>RESEARCH &amp; DEVELOPMENT ACTIVITIES</b>		
5.1	Ph.D Programmes – Existing and Proposed	.....	101
5.2	Details of Ph.Ds done so far	.....	103
5.3	The Research Projects that have been completed in the past five years	.....	119
5.4	List of ongoing Research Projects	.....	124
5.5	Institute – Industry Collaboration	.....	127
<b>6.0</b>	<b>THE COUNCIL, BOG &amp; OTHER COMMITTEES</b>		
6.1	Board of Governors	.....	129
6.2	Finance Committee	.....	130
6.3	Building and Works Committee	.....	131
6.4	Senate	.....	132
6.5	Other Committees	.....	132
<b>7.0</b>	<b>CONCESSIONS FOR SCs, STs, HANDICAPPED STUDENTS</b>		
7.1	Concession provided for Students	.....	136
7.2	Concession provided for Staff	.....	136

<b>PART - I</b>			<b>Page No.</b>
<b>8.0</b>	<b>FINANCIAL STATUS</b>		
8.1	Analysis of Plan and Non-Plan Grants	.....	137
8.2	Sources of funds	.....	137
8.3	Expenditure position for the last three years	.....	137
<b>9.0</b>	<b>CENTRAL FACILITIES &amp; SERVICES</b>		
9.1	Computer Services Centre	.....	139
9.2	Workshops	.....	139
9.3	Library	.....	140
9.4	Laboratories	.....	145
9.5	Hospital, Post Office, Shopping centre	.....	154
9.6	Physical facilities	.....	156
9.7	Games & Spots facilities	.....	156
9.8	Other facilities like Hostels, Messes, Staff Quarters, Administration	.....	156
<b>10.0</b>	<b>NOTABLE ACHIEVEMENTS</b>		
10.1	Past Achievements	.....	157
<b>11.0</b>	<b>VARIOUS ASSOCIATIONS AND CLUBS ACTIVITIES</b>	.....	158
 <b>PART – II</b>			
	<b>AUDIT REPORT AND ANNUAL ACCOUNTS</b>		
1.	Audit Report	.....	164
2.	Annual Accounts	.....	175



## 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 10<sup>th</sup> 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 among NITs. The Institute also has the distinction of producing 360 Ph.Ds so far.

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 the year 2002. It was subsequently given the status of Institute of National Importance and renamed as National Institute of Technology, Warangal.

During this span of 50 years of existence, it has become a proud *Alma Mater* for over 12537 graduates in different branches of technology, 7566 postgraduates and 345 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 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 currently ongoing research and other projects sponsored by MHRD and other agencies such as CSIR, DST, DIT, DRDO, NRB, BRNS etc, to a tune of Rs. 10 crores.

The institute has good infrastructure and it is being further improved under Technical Education Quality Improvement Programme (TEQIP) funded by the World Bank. The placement of students through campus interviews during the year 2010-11 has been excellent. More than 200 organizations visited the campus and 728 students, almost 67% 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 12 departmental associations, which organize activities to promote total personality development among students.

The Alumni Association of the Institute is very active with fifteen chapters in various cities of the country and one chapter in 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 are 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 based system of Teaching and evaluation with effect from the Academic year, 2002–2003. 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 the first two semesters of B.Tech programme and it is automatic when a student is admitted into the 1<sup>st</sup> year.
- ❖ From 3<sup>rd</sup> 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 30 credits (after supplementary examinations) and
  - To be able to register in the third year, a student should have satisfactorily completed at least 30 credits in II year first and second Semesters put together (after supplementary examinations) and should have satisfactorily cleared all the courses of 1<sup>st</sup> year.
  - To be able to register in the IV year, a student should have satisfactorily completed at least 30 credits in III year first and second Semesters put together (after supplementary examinations) and should have satisfactorily cleared all the courses of 2<sup>nd</sup> year.

In brief the institute is adopting the IIT pattern of education system in terms of semester pattern, updating curriculum, choice based credit system 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. The following centres of excellence for research are in the process of being established.

- Centre for Advanced Materials.
- Centre for Automation and Instrumentation

## 2.0 AN OVERVIEW

### 2.1 Historical Background

**National Institute of Technology, Warangal**, formerly known as Regional Engineering College, was established in the year 1959. Pandit Jawaharlal Nehru laid the foundation stone for this institute, **the first in the chain of 18 NITs** (formerly known as RECs) in the country, on 10<sup>th</sup> October 1959. 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 ranked very high among the technical Institutions in the country. It has excellent placement record.

As an NIT, it is in the process of improving its standards to the level of a global technical institution. 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 memorable milestones along the triumphant march of the institute::

<b>October 10, 1959</b>	<i>Pandit Jawaharlal Nehru laid foundation stone for the College, the first in the chain of NITs (formerly RECs) in the country.</i>
<b>November 10, 1959</b>	Registration of the Society of Regional Engineering College, Warangal
<b>August, 1965</b>	Commencement of UNESCO assistance project.
<b>October, 1972</b>	Change of affiliation of the College from Osmania University to Jawaharlal Nehru Technological University. Academic autonomy conferred on the College.
<b>August 19, 1976</b>	Change of affiliation of the College from JNTU to Kakatiya University.
<b>July, 1978</b>	AICTE grants the status of QIP (Quality Improvement Programme) Centre to the Civil Engineering Department for Ph.D and M.Tech. Programmes
<b>August, 1981</b>	Admission into B.Tech. through Common Entrance Examination for students from Andhra Pradesh.
<b>January, 1990</b>	The College is selected for assistance under UK-INDIA Project.
<b>April, 1994</b>	Commencement of UK - INDIA RECs Project.
<b>January, 1995</b>	Campus LAN installed

<b>October, 1996</b>	Commissioning of a dedicated Internet connectivity through VSAT dish.
<b>October 23-24, 1999</b>	"40 <sup>th</sup> 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.
<b>July 20, 2001</b>	AICTE grants the status of QIP (Quality Improvement Programme) Centre to the following departments:  <b>Ph.D. Programme</b> – Departments of Mechanical Engineering, Chemical Engineering and Mathematics  <b>M.Tech. Programme</b> – Departments of Electrical Engineering and the Department of Electronics and Communication Engineering.
<b>July, 2002</b>	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.
<b>September, 2002</b>	Institute renamed as National Institute of Technology, Warangal and conferred the status of Deemed University.
<b>July, 2003</b>	Commencement of admission of students into B.Tech through AIEEE stream
<b>August, 2003</b>	<b>Change over to IIT Pattern in Curriculum Development and method of evaluation.</b>
<b>June, 2004</b>	The Institute receives an assistance of Rs. 11.41 crores from the World Bank under TEQIP (Technical Education Quality Improvement Programme).
<b>March 1, 2004</b>	<b>1<sup>st</sup> Convocation of NIT Warangal.</b> Prof. S.K. Joshi, Chairman, Board of Governors, IIT Roorkee and Former Director General, CSIR delivers the First Convocation address.
<b>January 25, 2008</b>	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
<b>October 10, 2008</b>	NIT(REC) Golden Jubilee year Celebrations
<b>December 28, 2009</b>	Inauguration of the Centre for Innovation and Incubation.
<b>27.05.2011</b>	Prof. T. Srinivasa Rao, has taken over charge as Director 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>B.Tech.</b>	<b>In take</b>	<b>Year of Commencement</b>
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

<b>M.Tech.</b>	<b>In take</b>	<b>Year of Commencement</b>
<b>Civil Engineering</b>		
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
<b>Electrical Engineering</b>		
1. Power Systems Engineering	38	August 1964
2. Power Electronics and Drives	38	August 1964
<b>Mechanical Engineering</b>		
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

**School of Management**

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

- 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.

## 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 2010-2011.

Sl.No.	Branch	Boys	Girls	Total
1	Civil Engineering	77 + 31*	14	91 + 31*
2	Electrical & Electronics Engineering	74 + 12*	18 + 4*	92 + 16*
3	Mechanical Engineering	91 + 14*	3	94 + 14*
4	Electronics & Communication Engineering	91 + 11*	17 + 7*	108 + 18*
5	Metallurgical and Materials Engineering	47	12	59
6	Chemical Engineering	67 + 10*	24 + 2*	91 + 12*
7	Computer Science & Engineering	83 + 11*	21 + 5*	104 + 16*
8	Bio-Technology	47 + 4*	26 + 1*	73 + 5*
	<b>Total</b>	<b>577 + 93*</b>	<b>135 + 19*</b>	<b>712 + 112*</b>

\* Students admitted under DASA scheme

Number of candidates admitted into First year  
PG courses during 2010-11 : 486

Number of candidates admitted into  
Ph.D. courses during 2010-11 : 54

## 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:

<u>Sub-component</u>	<u>Weightage</u>
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:

<u>Letter Grade</u>	<u>Performance</u>	<u>Grade point%</u>
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:

$$\text{SGPA} = \frac{\sum_{i=1}^n C_i \times GP_i}{\sum_{i=1}^n C_i}$$

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.

$$\text{CGPA} = \frac{\sum_{i=1}^m S_i \times C_i}{\sum_{i=1}^m C_i}$$

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 **2010-2011**, more than **200** reputed organizations including Public Sectors, Multinational and Indian Companies from different places of the country have participated in the Campus Recruitment Programme.

- a) **Alumni Activities: - Nil-**
- b) **Training & Placements:**

### BRANCH-WISE BREAK UP OF PLACEMENT OFFERS TO STUDENTS DURING THE ACADEMIC YEAR 2010-11

Placement Statistics			
Course	Branch	No. of students Registered	No. of students Placed
B.Tech	Civil Engineering	67	62
B.Tech	Electrical & Electronics Engineering	66	56
B.Tech	Mechanical Engineering	68	63
B.Tech	Electronics & Communication Engineering	87	81
B.Tech	Metallurgical & Materials Engineering	33	29
B.Tech	Chemical Engineering	63	50
B.Tech	Computer Science & Engineering	86	78
B.Tech	Bio-Technology	58	40
B.Tech	Bachelor of Technology	<b>528</b>	<b>459</b>
M.Tech	Master of Technology	<b>379</b>	<b>203</b>
M.C.A	Master of Computer Applications	<b>46</b>	<b>43</b>
M.B.A	Master of Business Administration	<b>41</b>	<b>8</b>
M.Sc	All Branches	<b>91</b>	<b>15</b>
<b>Total No. of students</b>		<b>1085</b>	<b>728</b>

### c) Educational Tours & Industrial Training:

During 2010-11 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	II/IV B.Tech. (Civil)	On 23 & 24 Oct. 2010	Survey camp of Devadula lift irrigation Project Phase-III in between Dharmasagar Water Tank to Ramappa lake

2	III/IV B.Tech. (Civil)	8 – 10 Oct. 2010	Srisaillam Dam & Nagarjuna Sagar
3	III/IV B.Tech. (Civil)	3 – 12 May 2011	Delhi Metro, Industrial Area Gurgaon, Local sight at Agra, Jhakri Plant, Anbhuja Cements, Local sight at Shimla, Manali, Bhakra Nangal Dam, Expansion of National Highway – 1
4	II/IV B.Tech. (ECE)	From 25-11-2010 To 02-12-2010	Cisco, Isro, National Aeronatics, Rasio Telescope at Bangalore, Mysore & Ooty
5	III/IV B.Tech (CSE)	06 – 14 Dec. 2010	Cosco, Sap LaBS IN Bangalore and Infosys in Mysore
6	II/IV Bio-Tech.	From 30-09-2010 To 04-10-2010	Biocon Ltd., Bangalore

In the year 2010-11 (during vacation), more than 800 students of II and III year B.Tech (all branches) were sent for the practical training to reputed organizations.

d) **Seminars organized:** - Nil-

## 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 have been completed and the buildings have been brought into effective use:

- Construction of 1000 seater Mega Hostel Block
- Construction of 250 seater Hostel Block for Foreign Students
- Construction work of a 1000 seater mess -cum -dining hall
- Construction of a 1800 seater 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 2010-11, the funds received towards research projects are shown given below:

DST, CSIR, DIT, DRDO and other Agencies	:	Rs. 10 crores
No. of research papers published during 2010-11	:	234
<b>Finance Received:</b> (GOI) Plan & Non-Plan	:	Rs. 93.00 crores
(World Bank)	:	--

### **MEMORANDA OF UNDERSTANDING BETWEEN NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL & NATIONAL / INTERNATIONAL INSTITUTIONS**

In a significant move, NIT Warangal took the initiative to sign MoUs with several reputed National / International Institutions during the year under consideration.

1. IBM India Ltd., Bangalore
2. STPI
3. Non-Ferrous Materials Technology Development Center (NFTDC), Hyderabad
4. Effoxoft Solutions Pvt. Ltd., Hyderabad and Effoxoft Inc., USA
5. National Academy of Construction (NAC), Cyberabad, Kondapur, Hyderabad
6. Jayaprakash Narayan College of Engg., Dharmapur, Mahaboobnagar, A.P.
7. Central Power Research Institute, Bangalore
8. ECIL, Hyderabad
9. CRN, Chennai (PMC)
10. IFEST, USA
11. Malasaden University, Sweden
12. Laurea University of Applied Science, Finland
13. (AoC) University of Cincinnati
14. (AoC) Lawrence Tech Technical University
15. (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

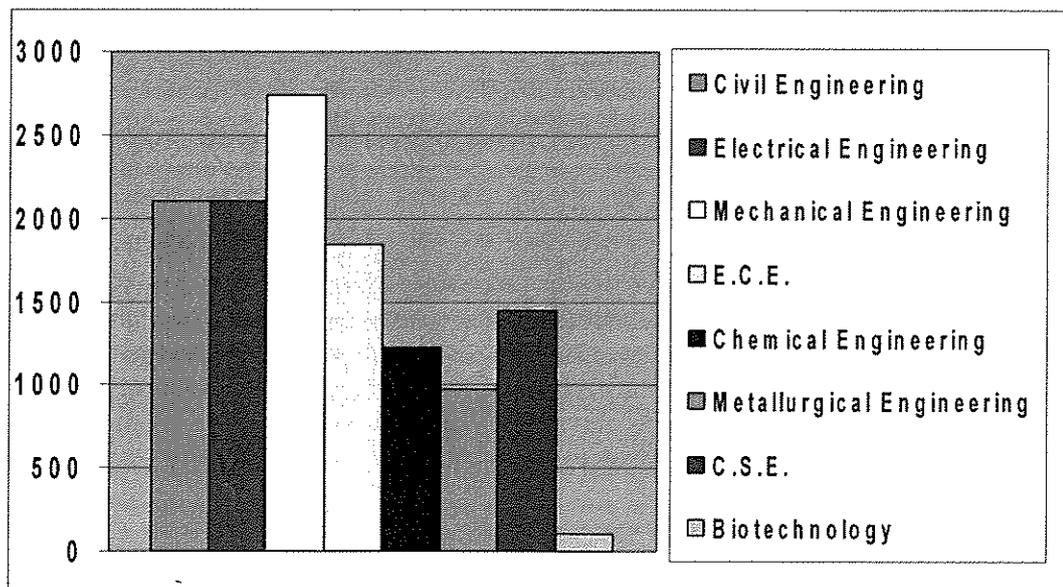
### **TEQIP**

Under this program Rs. 12.50 crores has been allocated to the Institute. Funds will be received in the next financial year.

## DEGREES AWARDED TILL 2011

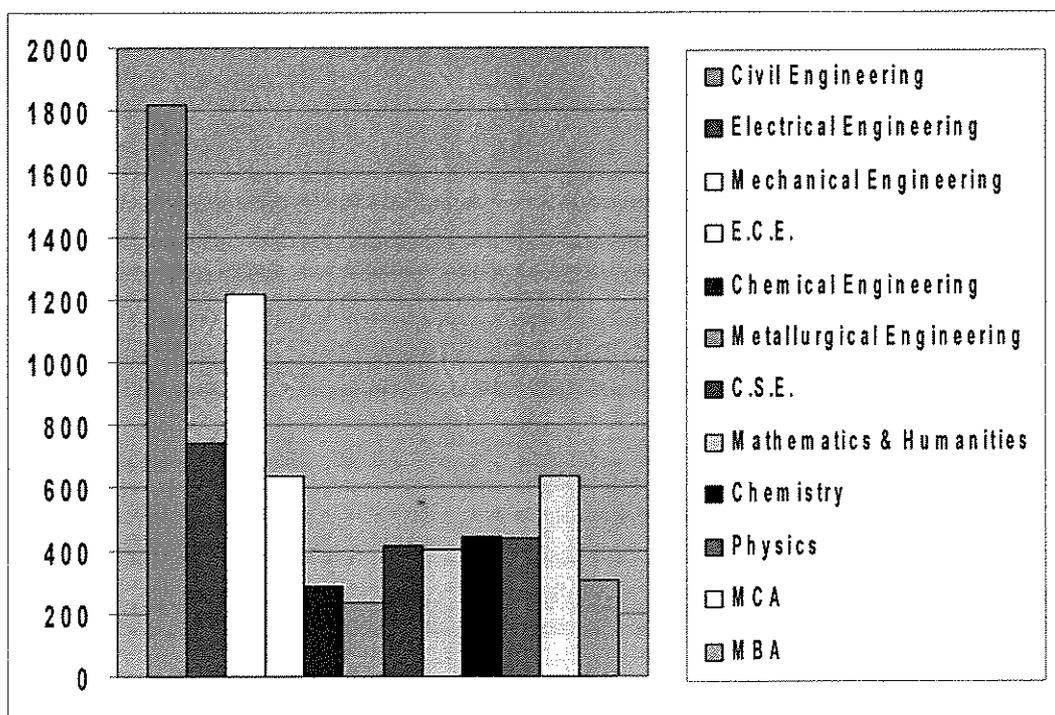
## A) B.Tech.

Civil Engineering	2102 + 95	2197
Electrical and Electronics Engineering	2102 + 98	2200
Mechanical Engineering	2740 + 105	2845
Electronics & Communication Engineering	1843 + 119	1962
Chemical Engineering	1228 + 89	1317
Metallurgical and Materials Engineering	970 + 56	1026
Computer Science & Engineering	1448 + 115	1563
Biotechnology	104 + 80	184



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

Civil Engineering	1816	+79	1895
Electrical Engineering	740	+58	798
Mechanical Engineering	1218	+80	1298
Electronics & Communication Engineering	638	+59	697
Chemical Engineering	284	+5	289
Metallurgical and Materials Engineering	232	+0	-
Computer Science & Engineering	414	+37	451
Mathematics & Humanities	403	+19	422
Chemistry	443	+47	490
Physics	439	+20	459
Master of Computer Application	636	+43	679
Master of Business Administration	303	+26	329





### 3.0 THE STAFF

#### 3.1 Academic Staff (Teaching)

Prof. S.S.Gokhale (upto 18.08.10)	Director (Additional Charge)
Prof. S.K.Sarang (from 19.08.10 to 02.11.10)	Director (Additional Charge)
Prof. V. Rama Rao (from 03.11.10 to 28.02.11)	Director (Temp. Charge)
Prof. K. Srimannarayana (from 01.03.11 to 26.05.11)	Director (Temp. Charge)
<b>Prof. T. Srinivasa Rao (from 27.05.11)</b>	<b>Director</b>

Name	Areas of Specialization
------	-------------------------

#### Department of Civil Engineering

##### Professors

C.B.Kameswara Rao, Ph.D.	Ferro cement Rural Technology
K.V.Jayakumar, Ph.D. (on lien)	Urban Storm Water Management
N.V.Umamahesh, Ph.D. <b>I/c Project Engineering Unit</b>	Water Resources Systems ANN Fuzzy logic
<b>P.Anand Raj, Ph.D.</b> <b>Head</b>	Fuzzy Logic and Decision Support Systems
D. Ramaseshu, Ph.D.	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

##### Associate Professors

Mohd. Ali, M.Tech.	Soil Dynamics Aerial Photogrammetry and Remote Sensing
Ms. G.Maruthi, M.Tech (upto 20.08.10)	Advanced Surveying and Cartography Earth Dams
V.N.Kameswara Rao, M.Tech.	Fluid Mechanics Groundwater
D.Deva Pratap, Ph.D. <b>Faculty I/c Halls of Residence</b>	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.	Foundation Engineering Stone columns
V.Ramana Murthy, Ph.D.	Low cost housing, Expansive soil Ground Improvement techniques
M.Sudhakar, M.E.	Fibre Reinforced Concrete

**Assistant Professors**

M.Heeralal, M.Tech.	Surveying Building Materials
T. Shashidhar, Ph.D. (upto 06.05.11)	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.	Remedical measures for Alkali induced heave in Soils
D.S.N.V. Amar Kumar, Ph.D.	Cracking and Rutting Characteristics of Bituminous Concrete Mixes
S. Venkateswara Rao, M. Tech	Structural Engineering

**Department of Electrical Engineering****Professors**

P.V. Ramana Rao, Ph.D. (upto 06.12.10)	Power System Protection & Stability HVDC Multi Phase Transmission
M. Sydulu, Ph.D.	Real Time Control of Power Systems, Distribution Systems, Applications of ANN, Fuzzy and Genetic Algorithms.
D.M. Vinod Kumar, Ph.D. <b>Dean (Academic Affairs)</b> (upto 13.04.11)	AI Techniques in Power Systems, Flexible AC Transmission Systems, Energy Management Systems
<b>D.V.S.S. Siva Sarma, Ph.D.</b> <b>Head</b>	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
Ms. M. Sailajakumari, Ph.D.	Multi objective optimal power low solution using evolutionary computation techniques

**Assistant Professors**

B. Nagu, M.Tech.	Power Systems
Ms. S.Porpandiselvi	Applied Electronics

**Department of Mechanical Engineering****Professors**

B. Kotiveerachari, Ph.D.	Machine Tools Metal Cutting
R.V. Chalam, Ph.D.	Design Engineering Vibrations
G. Ravindranath Tagore, Ph.D.	CNC Systems, Welding Technology Modeling of Manufacturing Systems
<b>K. Madhu Murthy, Ph.D.</b> <b>Registrar (from 14.12.10)</b>	Thermal Engineering Entrepreneurship Development
<b>A.V. Narashimha Rao, Ph.D.</b> <b>Head</b>	Combustion, Solar Energy
L. Krishnanand, Ph.D. Dean (Planning & Development)	CAD / CAM, Industrial Engineering
Ch. S. Prakasha Rao, Ph.D.	CIM, Simulation, CAD / CAM
S. Srinivasa Rao, Ph.D. <b>Prof. I/c T &amp; P</b>	Heat Transfer Refrigeration & Air Conditioning

P. Bangaru Babu, Ph.D. <b>Co-ordinator SRIC</b>	Vibration, FFA Robotics
<b>Associate Professors</b>	
C. Gururaja Rao, Ph.D.	Heat Transfer, Refrigeration & Air Conditioning
A. Venugopal, Ph.D.	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. <b>I/c Guest House</b>	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
R. Narasimha Rao, Ph. D.	Aluminium Matrix Composites
<b>Assistant Professors</b>	
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, Ph.D.	Mechanical Engineering
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. <b>TEQIP Co-ordinator</b>	Digital Signal Processing Instrumentation & VLSI
N.V.S.N. Sarma, Ph.D.	Microwave Communications Numerical Electro-magnetics

**Associate Professors**

M.V. Raghunath, M.E.	Pattern Recognition Communication Systems Digital Signal Processing
C. Buchi Rama Rao, Ph.D. Head (upto 24.02.11)	Digital System Design Computer Networks & VLSI
K. Ravi Kishore, M.Tech.	Digital System Design
T. Kishore Kumar, Ph.D.	Digital System Design, VLSI
<b>Ms. B. Lakshmi, Ph.D.</b> <b>Head (from 25.02.11)</b>	Classification of Low SNR LPI Radar Signals
L. Anjaneyulu, Ph.D. <b>Faculty I/c Telecom Centre</b>	
K.V. Sridhar, M.Tech.	Digital Signal Processing

**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
Ms. P. Prithvi, M.Tech.	Electronic Instrumentation
Ms. V. Rama, M.Tech.	Electronic Instrumentation
P. Srihari 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, Ph.D.	Electronics & Communication Engg.,
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. (upto 28.02.11)	Theoretical Computer Science VLSI Design
T. Ramesh, Ph.D.	Programming Languages & Systems Optimization Techniques
D.V.L.N. Somayajulu, Ph.D.	Database Management Systems Distributed Databases Data Warehousing and Data Mining Information Security
B.B. Amberkar, Ph.D. (Head)	Computational Number Theory and Algorithms

#### Associate Professors

S.G. Sanjeevi, Ph.D. Head, C.C.	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 (upto 13.12.2010)

Modelling, Simulation & Optimization  
Fluidized bed combustion,  
Pollution Control

**R. C. Sastry, Ph.D.**  
**Dean (Faculty Affairs)**

Heat Transfer,  
Two-Phase Flow Optimization,  
Process Control

Y. Pydi Setty, Ph.D.  
Head, Biotech

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

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.

Foundry 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.

Powder Technology

---

### Department of Bio-technology

**Assistant Professors**

Omkar Perumal, M.Tech.	Biotechnology
Korrapati Narasimhulu, M.Tech.	Biotechnology
P. Srinivasa Rao, Ph.D. <b>Head (upto 31.12.10)</b>	Fraternization & Characterization of Engine involved in the Microbial bioconversion of arteannium B2 artemisinin by using streptomycespactum

**Department of Physics****Professors**

K. Srimannarayana, Ph.D.	Photonics
J. Ramachander Rao, Ph.D.	Electronics
G. Ramachandra Reddy, Ph.D.	Photonics
A. Ramachandra Reddy, Ph.D. <b>Chief Warden</b>	Materials Science
S.V.S. Ramana Reddy, Ph.D.	Nuclear Physics
<b>L. Ramgopal Reddy, Ph.D.</b> <b>Head</b>	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 <sub>3</sub> -B <sub>2</sub> O <sub>3</sub> 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. <b>Dean (Research &amp; Consultancy)</b>	Corrosion Science Environmental Chemistry
A. Ramachandraiah, Ph.D.	Coordination Chemistry, Electrochemistry
G.V.P. Chandramouli, Ph.D. <b>Chairman, Instt. Dispensary (from 03.02.11)</b>	Synthetic Organic Chemistry Hetrocyclic Chemistry
I. Ajit Kumar Reddy, Ph.D.	Micellar Catalysis, Chemical Kinetics
P. Nageswara Rao, Ph.D. Head (upto 31.12.10)	Analytical Chemistry Extractive Spectrophotometry
<b>K. Laxma Reddy, Ph.D. Head (from 01.01.2011)</b>	Coordination Chemistry Environmental Chemistry

#### Associate Professors

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

#### Assistant Professors

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. <b>Dean (Student Affairs)</b>	Bio Mechanics, Fluid Mechanics
<b>Y.N. Reddy, Ph.D. Head</b>	Numerical Analysis

#### Associate Professors

N. Srinivasacharyulu, Ph.D.	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
<b>Assistant Professors</b>	
Ms. J. Pranitha, Ph.D.	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

### Department of Humanities & Social Sciences

#### Professor

<b>D.S. Kesava Rao, M.Phil, Ph.D. P.G.D.T.E</b> Head	English and Commonwealth Literatures English Language Teaching and ESP
---	--

### School of Management

#### Associate Professors

<b>M. Ravinder Reddy, Ph.D.</b> Head	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

Training Methods

P. Madhusudhan Reddy, Ph.D.

Sports Psychology

P. Ravi Kumar, Ph.D.

Exercise Physiology

### 3.2 Non-Academic Staff

#### a. Administrative & Other Officers

S.No.	Name	Designation	Dept.
1.	Prof.G.Venkat Reddy (upto 13.12.10 )	Registrar	
2.	Prof. K. Madhu Murthy (from 14.12.10)	Registrar	
3.	Sri R. Mohan (upto 6.12.10)	Dy. Registrar	Accts
4.	K.N.S. Kasi Viswanadham (from 7.12.10)	Dy. Registrar	Accts
5.	Dr. D. Dinakar	Dy. Registrar	Acad
6.	Sri A. Chandramouli (upto 31.08.2010)	Asst. Registrar (Officiating)	Accts
7.	Sri P. Raghupathi Reddy	Asst. Registrar (Officiating)	Accts
8.	Sri T. Paul	Asst. Registrar (Officiating)	Acad
9.	Sri P. Krishna Rao	Asst. Registrar (Officiating)	Admn
10.	Sri R. Sammi Reddy	Librarian	Library
11.	Sri G. Ramesh	Dy. Executive Engineer	
12.	Sri R. Veeraswamy	Workshop Foreman	MED
13.	Sri K.Yella Swamy	Workshop Foreman (Officiating)	MED
14.	Sri S. Chandrasekhar	Stores Officer	Central Stores
15.	Sri P. Mohan	Programmer	C.C.
16.	Dr. (Mrs.) A. Aruna (l/c Hospital)	Medical Officer	Dispensary
17.	Dr.K.Tirupathi Reddy	Doctor (Male)	Dispensary

**b. Non-Teaching Staff**

<b>S.No.</b>	<b>Name &amp; Designation</b>	<b>S.No.</b>	<b>Name &amp; Designation</b>
	<b>SUPERINTENDENT/ACCOUNTANT</b>		<b>JR.ASST.</b>
1.	Chandramouli A (Rtd. On 31-08-2010)	1.	Mahender Singh S
2.	Raghupathi Reddy P (officiating A.R)	2.	Suresh V
3.	Paul T (officiating A.R )	3.	Dilip Kumar T
4.	Krishna Rao P (officiating A. R.)	4.	Prem Kumar P
5.	Nageswara Rao Ch (Rtd. on 30-06-2011)	5.	Aliullasha Khader Md
6.	Raju G	6.	Mahesh Kumar Y
7.	Krishnamurthy A R	7.	Ms.Hymavathi P
8.	G.Keshavulu	8.	Bhaskar T
9.	Janardhan R	9.	Srinivas R
10.	Gurupathy B	10.	Someshwar Rao A
	<b>SR.ASST./UD CASHIER/ UD RECORD KEEPER</b>	11.	Jai Singh A
1.	Sammaiah A	12.	Kiran Kumar A
2.	Ms. Sandhya Rani D	13.	Srinivas T
3.	Sudhakar M	14.	Sarvaiah M
4.	Md.Zafar (joined on 06.08.2010 after EOL)	15.	Mangilal B
5.	Gopinath R	16.	Rajanna M
6.	Qureshi A A	17.	Jagadeesh Kumar A
7.	Prakash S S		<b>JR.ASST.(S)</b>
8.	Mahabul D	1.	Venkateswarlu S
9.	Quamar Pasha S A	2.	Srinivasa Rao K
10.	Shamshul Hussain Md	3.	Dayakar P
11.	Bala Subramanyam G	4.	Ashwin Kumar D
12.	Shiva Kumar P		<b>JACT</b>
13.	Samel P	1.	Narender V
14.	Samba Murthy M	2.	Veda Prakash G
15.	Rama Rao A	3.	Ms. Husna
16.	Mallaiah R	4.	Nanu Lunavath
17.	Srinivasa Reddy M		<b>TYPISIT/LD TYPISIT/LD STENOR TYPISIT</b>
18.	Sanjeeva M	1.	Ch.S. Prakasa Rao
19.	Ms.Shyamala J	2.	Ms.Padmaja G
20.	Parasuramulu R	3.	Ms.Indira Priyadarshini B
21.	T. Kiran Kumar	4.	Ms.Renuka D
22.	Sridhar Rao M	5.	Ashok Kumar P
23.	M.Sadar Lal		
24.	Md.Afzal (from 01.07.2010)		
25.	K.Nagender Rao (from 01.07.2010)		
26.	J.Bhasker (from 01.07.2010)		

**CTCR**

1. Jayanth G

**STORE/RECORD ASSISTANTS**

1. Chandraiah P (Jr.)
2. Ismail Md
3. Md. Chand (Rtd. on 30.06.2011)
4. Kumaraswamy K R
5. Ilaiah T
6. Bhaskar M
7. Ilaiah R
8. Adam S
9. Rajeswar Rao G
10. Veeraswamy(Sr) G
11. Saraiah K
12. Ms.Sarada S
13. Syed Mustafa
14. Sambaiah N
15. Sivaprasad V
16. Ramesh K
17. Rajamouli K
18. Ms.Devendra K
19. Anandam G
20. Ramesh Babu Ch
21. Ramesh D
22. Kishore Kumar N
23. Akbar Md
24. Heerulal P
25. Vara Prasad A
26. Bhaskar P
27. Bikshapathy Y
28. Ms.Tara Bai B
29. Farooq Azam Md
30. Narayana. G
31. Ms.Kamala K
32. Kumar Swamy M
33. Shoukat Ali Md.
34. Ms.Krishna Veni P
35. Rajender K
36. Somaiah G
37. Sambaiah G

**RONEO OPERATOR**

1. Ramesh A

**GARDEN SUPERVISOR**

1. Umamaheswar Rao P

**HEAD MALAN**

1. Ms.Radha A(Rtd. on 30.06.2011)

**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. Ms.Aruna Mary
14. Sridhar Kumar G

**MALAN**

1. Ms.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. Kattaiah Ch
3. Komuraiah K (Sr)
4. Yellaiah N
5. Venkatadri L
6. Kondaiah P
7. Srinivas(Sr.) A
8. Janardhan G
9. Veeraiah P
10. Dasaratham N
11. Saraiah G
12. Ilaiah B
13. Jakkaiah B
14. Ms.Jumani L
15. Komuraiah L
16. Rajaiah A
17. Takur B
18. Shankar K
19. Komuraiah S
20. Ilaiah P(Jr.)
21. Komuraiah K (Jr)
22. Sanjeevaiah K
23. Veeraswamy(Jr.) G
24. Hajia D
25. Komuraiah A
26. Dayakar Y
27. Ms.Yadamma V
28. Ms.Nagamani V
29. Hussain Md
30. Gouri Shankar G
31. Afzal Md
32. Rajaiah K
33. Saraiah P
34. Yadimallu P
35. Laxmaiah B
36. Murali Krishna K
37. Prasad A
38. Ms.Laxmi T
39. Palaiah P
40. Ramulu B
41. Tirupathi B
42. Kumara Swamy B
43. Ms.Venkatamma K
44. Ms.Rajamma J
45. Rajanna J
46. Ilaiah R

47. Shankariah M
48. Ms.Sajeeda Khatoon
49. Surayya B
50. Ms.Jayasri B
51. Ms.Jayalakshmi K
52. Pratap G
53. Murali G

**STORE KEEPER (TECH.)**

1. Vasanth Ram M

**W/S Supervisor**

1. Yella Swamy K. (officiating Foreman)

**ASST. ENGINEER**

1. Sardar Singh M

**TECH. ASST.**

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

**COMPUTER OPERATOR**

1. Ms.Karuna Rani M
2. Gnaneshwar D
3. Ms.Aparna T
4. Govinda Rao D
5. Ms.Padmasri K S S S
6. Veeranna T

**MECH. A GR.**

1. Sanjiva Rao V
2. Subba Rao K
3. Siddiramulu T
4. Ravinder D
5. Srinivas B
6. Kumaraswamy G
7. Narasimha M
8. Savvaiah G
9. Ramesh K(Sr.)
10. Ramesh K(Jr.)
11. Suryanarayana T

**MECH. B GR.**

- 1 Harinath N
- 2 Chandra Murthy V
- 3 Nagabhushanam A
- 4 Suryababu D
- 5 Rasheed Md
- 6 Venkateswarlu V
- 7 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

**MECH. C GR.**

1. Ravi S
2. Balaswamy T
3. Sattaiah V
4. Veerender V
5. Chandra Narayana A
6. Vijay Kumar K
7. Anand Singh K
8. Mahendra Kumar K
9. Sunil Kumar D
10. Veeranna T
11. Devender B

**MECH. D GR.**

- 1 Veeraiah D
- 2 Sambayya V
- 3 Ramesh M
- 4 Rajamouli A
- 5 Ramulu B
- 6 Kumaraswamy M
- 7 Shankaraiah M
- 8 Shankaraiah G

**DRIVER**

- 1 Ramesh J
- 2 Paramatma K

**STAFF NURSE**

- 1 Ms.Rameeja Bee K

**PHARMACIST GR-II**

- 1 Ms.Satyavedam D

**C. Hostel Employees****Head Cook**

- 1 Saraiah G
- 2 Komaraiah M (Expired on 11-04-2011)
- 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 (Rtd. on 31-12-2010)
- 3 Nageshwar Rao.G
- 4 Suresh kumar.M

**Supplier**

- 1 Jaffer M A
- 2 Komaraiah N
- 3 Buchaiah B
- 4 Kanakaiah A
- 5 Pentaiah T
- 6 Saraiah A
- 7 Joji K (Rtd. on 31-05-2011)
- 8 Laxmaiah G
- 9 Sailu K
- 10 Bhadraiah G
- 11 Raju K
- 12 Sambaiah G
- 13 Ilaiah(Sr) T
- 14 Ilaiah M
- 15 Ravi. M
- 16 Kanakaiah K

**Asst. Cook**

- 1 Balaiah B (Rtd. on 30-06-2011)
- 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 Ms.Laxmi Akula (Rtd. on 30-06-2011)
- 2 Ms.Bhadramma G
- 3 Ms.Venkatamma B

**H. Watchman**

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

**Sweeper**

- 1 Chandraiah T (Rtd. on 30-06-2011)
- 2 Ramulu K
- 3 Rajaiah A
- 4 Cheralu K
- 5 Ilaiah K Ch (Expired on 09-04-2011)
- 6 Ilaiah A
- 7 Mallaiah N (Rtd. on 30-06-2011)
- 8 Ejjagiri G
- 9 Venkataiah A
- 10 Sammaiah P
- 11 Bhaskar P (Expired on 06-02-2011)
- 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 Nimala.R
- 22 Ramesh.T

**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 participants	Name of the Coordinator
		From	To			
<b>ELECTRONICS AND COMMUNICATION ENGINEERING</b>						
1	Signals and Systems	9.7.10	21.7.10	Engg. College Faculty members		Dr.CB Rama Rao Sri.K.V.Sridhar
<b>COMPUTER SCIENCE AND ENGINEERING DEPARTMENT:</b>						
1	ISTE two-week Workshop on Database Management Systems	13.12.10	23.12.10	Faculty in neighbouring colleges	42	Dr RBV Subramanyam and Prof DVLN Somayajulu Jointly with Prof DB Phatak, Prof S Sudarshan IIT Bombay
<b>MATHEMATICS DEPARTMENT :</b>						
1	STTP on Mathematical Modeling & Numerical Techniques	17.1.11	21.1.11	Faculty and Research scholars of AICTE approved institutions	50	Prof. YN Reddy & Dr. A. Benerji Babu
2	National Workshop on Advanced Computational Applications using ANSYS Fluent (ACA-2011)	7.1.11	7.1.11	Applied Mathematicians and Engineers	50	Dr. H. P. Rani
<b>CHEMISTRY DEPARTMENT :</b>						
1	Curtain raiser programme in view of International year of Chemistry	25.2.11	-	M.Sc Chemistry and II. B.Tech students	200	Prof. K. Laxma Reddy
2	One day seminar on Environmental Issues & Challenges	19.3.11		M.Sc Chemistry and II. B.Tech students	120	Prof. K. Laxma Reddy
3	One day seminar on R&D in Organic Chemistry-NITW Alumni Perspectiv"	2-4-2011		M.Sc Chemistry and Research scholars	120	Prof. P. Nageswara Rao

**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
<b>CIVIL ENGINEERING DEPARTMENT:</b>				
1.	Prof. G. Rajesh Kumar, Professor	National Workshop on Compatibility issues between cement and chemical admixtures in concrete, Indian Concrete Institute, AP Hyderabad Centre, JNTU, Hyd	17.09.10	18.09.10
2.	Prof. G. Rajesh Kumar, Professor	Third Asian Conference on Ecstasy in Concrete, ACECON – 2010 @ IIT Madras, Chennai	05.12.10	09.12.10
3	Prof. CSRK Prasad Professir	Pathways for Transport in the post 2012 process. A UNFCCC Official side event at the 34 <sup>th</sup> session of the UNFCCC Subsidiary Bodies	11.06.11	11.6.11
4	Sri. M. Heeralal Asst. Professor	Short-term course on Geotechnical exploration, I.I.T. Madras	31.1.11	5.2.11
5	Dr. P. Hari Krishna Associate Professor	STP on Advanced Foundation	20.6.11	24.6.11
<b>ELECTRICAL ENGINEERING DEPARTMENT:</b>				
1.	Prof.D.V.S.S.Siva Sarma, Professor	Smart Grid Technology and Business opportunities, FAPCCI, Hyd	29.7.10	--
2.	Dr.N.Subrahmanyam Associate Professor	Smart Grid Technology and Business opportunities, FAPCCI, Hyd	29.7.10	--
3.	Dr.M.Sailaja Kumari, Associate Professor	Intelligent system applications to the SMART Electric Grid solutions, IIT Kanpur	15.11.10	19.11.10
4.	Dr.M.Sailaja Kumari, Associate Professor	Smart Grid Technology and Business opportunities, FAPCCI, Hyd	29.7.10	–
<b>MECHANICAL ENGINEERING DEPARTMENT:</b>				
1.	A. Veeresh Babu	Five day QIP program on Diesel Particulate and NOx Emissions: Formation and Control (IITK, Kanpur)	10.9.10	14.9.10
<b>COMPUTER SCIENCE AND ENGINEERING DEPARTMENT:</b>				
1	Dr.RBV Subramanyam Asst. Professor	Coordinators workshop on "Database Systems" at IIT Bombay	18.10.10	24.10.10
2	Prof.DVLN Somayajulu Professor Dr.RBV Subramanyam Asst. Professor	Microsoft Research India Summer School on 'Security & Privacy' organized jointly with IISc., Bangalore	18.6.11	30.6.11

<b>METALLURGICAL AND MATERIALS ENGINEERING DEPARTMENT:</b>				
1	Dr. M. K. Mohan, Professor	International Winter School on 'Advances in Aeronautical Materials and Technologies' at Hyderabad	15.12.10	19.12.10
2	Dr. G. V. S. Nageswara Rao, Associate Professor	International Winter School on 'Advances in Aeronautical Materials and Technologies' at Hyderabad	15.12.10	19.12.10
3	Dr. G. V. S. Nageswara Rao, Associate Professor	Two day course on 'Materials Characterization and Failure Analysis' at IIT Madras	4.3.11	5.3.11
4	Dr. C. Vanitha, Assistant Professor	Five day workshop(NRC-M) on "Joining of materials", at NIT, Tiruchirapalli	13.12.10	17.12.10
5	Dr. C. Vanitha, Assistant Professor	Two day course on 'Materials Characterization and Failure Analysis' at IIT Madras	4.3.11	5.3.11
6	Dr. C. Vanitha, Assistant Professor	Ten day ISTE workshop on "Thermodynamics for Mechanical Engineering", at NIT Tiruchirappalli	14.6.11	24.6.11
7	Dr. Asit Kumar Khanra, Assistant Professor	International conference & exhibition on Powder Metallurgy Association of India at Pune	2.2.11	4.2.11
<b>CHEMICAL ENGINEERING DEPARTMENT:</b>				
1	S. Srinath	Energy from Biomass, Mithradham, Aluwa, Cochin	25.10.10	29.10.10
<b>CHEMISTRY DEPARTMENT :</b>				
1	Vishnu Shanker Assistant Professor	Participated in the National Review and Coordination meeting of NANO Mission Council "NSNT-2011" Organized by IIT-Delhi and DST, Govt. of India.	25.2.11	27.2.11
2	Vishnu Shanker Assistant Professor	Attended INDO-US meet on "New Functional Materials: Synthesis, Properties and Methods" organized by IIT-Delhi.	2.6.11	7.6.11
3	N. Venkatathri Assistant Professor	Summer Research Fellow	11.5.10	9.7.10
<b>MATHEMATICS DEPARTMENT :</b>				
1	Dr. J.V.Ramana Murthy Associate Professor	Mathematical Physiology, IISER, Pune	14.1.11	23.1.11
2	Dr. Praniitha J Assistant Professor	AICTE sponsored Faculty Development Program on "Advances in Numerical and Statistical Techniques for Engineers(ANSTE)" organized by Department of Mathematics and Center for Continuing Education, N.I.T, Calicut	30.5.11	3.6.11
3	Dr. R. S. Selvaraj Assistant Professor	Staff Development Programme on Linear Algebra, Wavelets and Applications (LWA), NIT Calicut	29.11.10	3.12.10
4	Dr. R. S. Selvaraj Assistant Professor	INDOCRYPT 2010 Workshop, CR RAO Advanced Institute of Mathematics, Statistics and Computer Science, Hyderabad	12.12.10	12.12.10
5	Dr. R. S. Selvaraj Assistant Professor	National Workshop on Computer Algebra System, Bhaskaracharya Pratishthana, Pune	27.1.11	31.1.11

6	Dr. P. Muthu Assistant Professor	Worked as Teaching Assistant in the ISTE workshop on "Effective teaching/learning of computer programming" held at NIT Warangal	28.6.10	10.7.10
7	Dr. P. Muthu Assistant Professor	one day brain storming session on "Global warming and climate change", conducted by the Department of Mechanical Engg., N.I.T Warangal	8.10.10	--
8	Dr. P. Muthu Assistant Professor	AICTE sponsored QIP short term course on "Recent Advances in Computational Sciences with Application", held at the Department of Mathematics, I.I.T Kharagpur	22.11.10	27.11.10
9	Dr. P. Muthu Assistant Professor	Workshop and Symposium on "Mathematical Physiology" at Indian Institute of Science Education and Research(IISER), Pune,	15.1.11	23.1.11
10	Dr. P. Muthu Assistant Professor	AICTE sponsored Faculty Development Program on "Advances in Numerical and Statistical Techniques for Engineers" organized by Department of Mathematics and Center for Continuing Education, N.I.T, Calicut	30.5.11	3.6.11
11	Dr. A. Benerji Babu Assistant Professor	International Congress of Mathematics, Hyderabad	19.8.11	27.8.11
12	Dr. A. Benerji Babu Assistant Professor	55 <sup>th</sup> Congress of ISTAM, NIT Hamirpur	18.12.10	21.12.10
13	Dr. A. Benerji Babu Assistant Professor	National workshop on Mathematical Modeling, Computational Aspects in Continuum Mechanics, OU, Hyderabad.	20.12.10	22.12.10
14	Dr. A. Benerji Babu Assistant Professor	International Conference on Recent Advances in Fluid Mechanics, O.U., Hyderabad.	23.12.10	24.12.10
15	Dr. A. Benerji Babu Assistant Professor	National workshop on Advanced computational applications using Ansys Fluent, NITW.	7.1.11	7.1.11

### 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
<b>CIVIL ENGINEERING DEPARTMENT :</b>					
1	Prof. N V Umamahesh Professor	National Conference on Water for Future – 2011 – delivered a key note address on Impact of Climate Change on Water Resources	Nanded, Maharashtra	25.02.11	26.02.11
2	Dr. CSRK Prasad Professor	Young Researcher' Day of the project "Climate and Energy in a Complex Transition Process towards Sustainable Hyderabad	Berlin	18.5.11	20.5.11

3	Dr.CSRK Prasad Professor	International conference on Developments in Road Transportation (DRT)	Rourkela, odisha.	8.10.10	10.10.11
4	Dr.CSRK Prasad Professor	International Conference on Road and Airfield Pavement Technology (ICPT)	Bangkok	3.8.11	5.8.11
5	Dr. P.Rathish Kumar Associate Professor	5 <sup>th</sup> World Conference on Structural Control and Monitoring, 5WCSCM	Tokyo, Japan.	1.7.10	14.7.10
6.	Prof. D. Rama Seshu Professor	'Staff Development Programme' on ' Condition Assessment of Structures and Retrofitting of Concrete Structures', Delivered Lectures on 1. Structural Distress and Retrofitting 2. High Performance concrete	GMRIT , Rajam	30.5.11	11.6.11
7	Dr.T.D.Gunnesw ara Rao	Structural Engineers World Conference - 2011	Como, Italy	4.4.11	6.4.11
8	Sri M. Heeralal	International Conference on Laterite Soils	Australia I.I.T. Bombay	7.4.10	9.4.10
9	Dr. V. Ramana Murty	Indian Geotechnical Conference		16.12.10	18.12.10
<b>ELECTRICAL ENGINEERING DEPARTMENT :</b>					
1.	Dr.M.Sydulu, Professor	16 <sup>th</sup> National Power System conference	Hyderabad	15.12.10	17.12.10
2.	Dr.D.M.Vinod Kumar, Professor	Intelligent system Applications to the smart electric grid solutions	IIT, Kanpur AICTE, NewDelhi	15.11.10	19.11.10
3.	Dr.N.Subraman- yam, Associate Professor	Training program on Real-time digital simulation of power systems	CPRI, Bang alore	20.9.11	25.9.11
4.	Dr.N.Subraman- yam, Associate Professor	One day Program Technology summit	GoldmanS achs India, Banagalore	26.10.11	-
5.	Dr. N.V.Srikanth Associate Professor	Power System Conference& Exposition, Convention Center Phoenix	Arizona, USA	20.3.11	23.3.11
6.	Sri.B.Nagu, Assistant Professor	WSEAS International Conference	Cambridge UK	23.2.11	25.2.11
<b>MECHANICAL ENGINEERING DEPARTMENT:</b>					
1	T. Sadasiva Rao, Assistant Professor	3rd International & 24th AIMTDR (All India Manufacturing Technology, Design and Research) Conference	A.U. College of Engineering (A), Andhra University, Visakhapatn am	13.12.10	15.12.10

2	T. Sadasiva Rao, Assistant Professor	2nd International Conference on Mechanical, Industrial, and Manufacturing Technologies	Singapore	26.2.11	28.2.11
3	Dr. N. Venkaiah, Assistant Professor	World Congress on Engineering 2011,	London, U. K.	July 2011	July 2011
4	Dr. G. Amba Prasad Rao	8 <sup>th</sup> Asia-Pacific Conference on Combustion (8 <sup>th</sup> ASPACC-10)	Hyderabad	10.12.10	13.12.10
5	Dr. G. Amba Prasad Rao	5 <sup>th</sup> International Conference on Advances in Mechanical Engineering (ICAME-2011)	Sardar vallabhai NIT, Surat- 395 007.	6.6.11	8.6.11
6	Dr. G. Amba Prasad Rao	4 <sup>th</sup> National Conference on Trends in Mechanical Engineering (TIME'10)	KITS Warangal	30.12.10	---
7	Dr. G. Amba Prasad Rao	5 <sup>th</sup> International Conference on Advances in Mechanical Engineering (ICAME-2011)	Sardar vallabhai NIT, Surat- 395 007.	6.6.11	8.6.11
8	Dr. G. Amba Prasad Rao	8 <sup>th</sup> Asia-Pacific Conference on Combustion (8 <sup>th</sup> ASPACC-10)	Hyderabad	10.12.10	13.12.10
9	Dr. Gururaja Rao C.	Proceedings of 5 <sup>th</sup> International Conference on Theoretical, Applied, Computational and Experimental Mechanics (ICTACEM-2010),	IIT Kharagpur, Kharagpur, India	27.12.10	29.12.10
10	Dr. Gururaja Rao C.	Proceedings of 5 <sup>th</sup> International Conference on Theoretical, Applied, Computational and Experimental Mechanics (ICTACEM-2010),	IIT Kharagpur, Kharagpur, India	27.12.10	29.12.10
11	Dr. Gururaja Rao C.	Proceedings of 4 <sup>th</sup> International Conference on Advances in Mechanical Engineering (ICAME),	Sardar Vallabhbbhai National Institute of Technology Surat, India	23.9.10	25.9.10
12	Dr. Gururaja Rao C.	Proceedings of 4 <sup>th</sup> National Conference on Trends in Mechanical Engineering, (TIME-10),	Kakatiya Institute of Technology and Science, Warangal, Andhra Pradesh, India	30.12.10	---
13	Dr. Gururaja Rao C.	Proceedings of 4 <sup>th</sup> National Conference on Trends in Mechanical Engineering, (TIME-10),	Kakatiya Institute of Technology and Science, Warangal, Andhra Pradesh, India	30.12.10	---
14	G.Naga Srinivasulu	Proceedings of International Conference on Advances in Renewable Energy- ICARE- 2010	MANIT, Bhopal, (ICARE- 066)	June 2010	---

15	Dr. Puli Ravi Kumar	International conference on frontiers in mechanical engineering	NIT Surathkal, Karnataka	20.6.10	23.6.10
16	Dr. Puli Ravi Kumar	Proceedings of the National Conference on Advances in Mechanical Engineering	Vasavi Engineering College, Hyderabad	18.11.10	19.11.10
17	Dr. Puli Ravi Kumar	Proceedings of the National Conference on Advances in Mechanical Engineering	Vasavi Engineering College, Hyderabad	18.11.10	19.11.10
18	Dr. Puli Ravi Kumar	Proceedings of 8 <sup>th</sup> Asia Pacific Conference on Combustion	Hyderabad	10.12.10	13.12.10
19	Dr. Puli Ravi Kumar	Proceedings of the International Conference on Recent Innovations in Technology	Rajiv Gandhi Institute of Technology, Kottayam	10.2.11	12.2.11
20	Dr. Puli Ravi Kumar	4 <sup>th</sup> International conference on advances in mechanical engineering	SVNIT, Gujarat	23.9.10	25.9.10
21	Dr. Puli Ravi Kumar	National conference on futuristic trends in mechanical engineering	Gurunanak dev engineering college, Ludhiana, Punjab.	29.10.10	30.10.10
22	Dr. Puli Ravi Kumar	Proceedings of international conference CONAT-2010	Bucharest, Romania	July 2010	July 2010
<b>ELECTRONICS AND COMMUNICATION ENGG. DEPARTMENT:</b>					
1	Prof. N V S N Sarma, Professor.	The Third International Conference on Computer Engineering and Technology (ICCET 2011).	Kuala Lumpur, Malaysia.	17.6.11	19.6.11
2	Dr.T.kishore Kumar, Associate Professor, J. Ravi Kumar Asst Professor,	IASTED International Conference on Antennas,Radar and Wave Propagation (ARP 2010)	Cambridge, Massachus etts, USA	1.9.10	3.9.10
3	Dr.T.kishore Kumar, Assoc.Professor	ICCSP(International Conference on Communications and Signal Procesing), 2011 at NIT Calicut.	Calicut,India	10.2.11	12.2.11
<b>METALLURGICAL AND MATERIALS ENGINEERING DEPARTMENT:</b>					
1	Dr. Asit Kumar Khanra, Assistant Professor	International conference & exhibition on Powder Metallurgy Association of India	Pune	2.2.11	4.2.11

CHEMICAL ENGINEERING DEPARTMENT:					
1	Naveen Kumar, A. Venu Vinod	Experimental Studies on Biodegradation of Phenolic Wastewater in a Bubble Column Bioreactor	Indian Chemical Engineering Congress-2010, CHEMCON-2010, Annamalai Nagar	27.12.10	29.12.10
2	A. Venu Vinod, R. Naveen Kumar	Dynamic and Gas Holdup Studies in a Bubble Coulm Bioreactor	2011 2nd International Conference on Environmental Science and Technology (ICEST 2011) Singapore (IEEE) ISBN: 978-1-4244-9262-6	26.2.11	28.2.11
3	A. Venu Vinod, R. Naveen Kumar	Biodegradation of Phenolic wastewater in a Bubble Column Bioreactor	Asian Congress on Biotechnology (ACB 2011), Shanghai, China	11.5.11	15.5.11
4	Srinu Naik. S and Y. Pydi Setty	Studies on Denitrification of Wastewater using Fluidized bed Bioreactor at high concentration by <i>Pseudomonas denitrificans</i> strain	17 <sup>th</sup> Regional Symposium on Chemical Engineering, Bangkok, Thailand.	22.11.10	23.11.10
5	Srinu Naik. S and Y. Pydi Setty	Denitrification of Wastewater using Fluidized bed Bioreacor by <i>Pseudomonas stutzeri</i>	International Conference on Sustainable Water Resource Management and Treatment Technologies(WATER-2011), NEERI, Nagpur, India	19.1.11	21.1.11
6	Mr.S.Srinath	Attended	CHEMCON-2010, Annamalai University, Annamalai Nagar	27.12.10	29.12.10
7	Mr.S.Srinath		2011 International Conference on Chemistry and Chemical Processes – ICCCP 2011, First Hotel Bangkok, Thailand	28.5.11	29.5.11
8	S.Srinath, G.Venkat Reddy	Combustion characteristics of Sawdust in bubbling fluidized bed	International Proceedings of Chemical, Biological & Environmental Engineering, Vol 10, pp 167-172.		

9	S.Srinath, G.Venkat Reddy	Combustion and emission characteristics of Rice husk in a rectangular Fluidized bed combustor	2011 2 <sup>nd</sup> International Conference on Environmental Science and Technology, Singapore	26.2.11	28.2.11
10	K.Sunishitha, S.Srinath, G.Venkat Reddy	Hydrodynamics of agro fuels in fluidized bed	of 63 <sup>rd</sup> Annual Session of Indian Institute of Chemical Engineers Indian Chemical Engineering Congress – CHEMCON-2010	27.12.10	29.12.10
11	G.Sudheer, S.Srinath, G.Venkat reddy	Combustion and emission behavior of low grade fuels in a fluidized bed combustor	63 <sup>rd</sup> Annual Session of Indian Institute of Chemical Engineers Indian Chemical Engineering Congress – CHEMCON-2010	27.12.10	29.12.10
12	K.Anand Kishore, K.Kishore and G. Venkat Reddy	Optimization of Nutrients by Central Composite Design for the Biosynthesis of Citric Acid	17th Regional Symposium on Chemical Engineering (RSCE2010), Bangkok, Thailand,	22.11.10	23.11.10

**COMPUTER SCIENCE AND ENGINEERING DEPARTMENT:**

1.	Prof.D.V.L.N. Somayajulu	11 <sup>th</sup> international conference on Intelligent Data engineering and Automated Learning (IDEAL 2010)	University of Scotland, U.K	31.8.10	3.9.10
2.	Dr.R.Padmavathy	International Symposium on Advances in Cryptography, Security and Applications for Future Computing	Gwanju, South Korea	9.12.10	11.12.10
3	RBV Subramanyam with Syamal Misra	Mining Sentiments from Micro- Blogs	Accepted for refereed 5 <sup>th</sup> Int'l Conf on AI at Tumkur.	14.12.10	16.12.10
4	B.Raju	International Conference on Advances in Computer Science	Trivendrum	20.12.10	23.12.10
5	B.Raju	International Conference on Life Science Technology	Mumbai	6.1.11	11.1.11
6	Dr.S.G.Sanjeevi	National Conference on Recent Frontiers in Applied Dynamical Systems	Coimbatore	20.1.11	23.1.11

SCHOOL OF MANAGEMENT:					
1.	Dr. M. Ravindar Reddy, Associate Prof.	<b>1. International Conference:</b> Determinant Attributs of Store brands in Food and Grocery Retailing : An Empirical Analysis. Indian Institute of Social Welfare and Business Management.	Kolkatta	13.1.11	14.1.11
2	Dr. M. Ravindar Reddy, Associate Prof.	<b>2. National Conference:</b> The Emergence of Store Brands the perspectives and the challenges in Indian retailing	NIT Warangal	17.12.10	18.12.10
3.	Dr. P. Ramlal Asst. Professor	<b>National Conferences:</b> 1. A review paper was presented on 'Role of organizational culture in Institution Building'	IITM Gwalior	25.3.11	26.3.11
4	Dr. P. Ramlal Asst. Professor	<b>National Conferences:</b> 2. A paper on 'Cultural attributes for improved performance in Higher Education'	IIT Delhi	1.3.11	
5.	Ms. G. Sunitha, Asst. Professor	<b>1. Work Shop :</b> " Practical Strategies for Effective Teaching in Professional Colleges" conducted by Dhanvathari Insitute of Management Sciences, Kothagudem.	Kothagudem	6.3.11	
6	Ms. G. Sunitha, Asst. Professor	<b>2. National Seminar :</b> I. Rural Development through Higher Education conducted by Dept. Political Science, Maharajah's College, Vizianagaram. (sponsored by UGC)	Vizianagaram	12.11.10	13.11.10
7	Ms. G. Sunitha, Asst. Professor	II. Marketing of Financial Services in India : A study of its emerging problems and prospects, conducted by Alluri Institute ogf Management Sciences, Hanamkonda	Hanamkonda	7.12.10	
8	Ms. G. Sunitha, Asst. Professor	<b>3. International Conference :</b> Stress Management and its impact on employees conducted by Mahathma Gandhi College, Guntur	Guntur	29.10.10	31.10.10

9.	Dr. Ritanjali Majhi, Asst. Prof.	<b>International Conferences:</b> 1. "Customer Classification and GAP analysis in Banking Sector in Anadhra Pradesh"	IMT, Nagpur	12.11.10	14.11.10
10	Dr. Ritanjali Majhi, Asst. Prof.	2. "Development and Performance Evaluation of PSO Based Single Layer Nonlinear ANN Classifiers of Indian Online Shoppers"	ADVCOMP-2010, Italy ,Florence	25.10.10	30.10.10
11	Dr. Ritanjali Majhi, Asst. Prof.	<b>National Conferences:</b> 1. "A Critical Review on Strategic Marketing"	NCCOMP-2010,NIT Warangal	17.12.10	18.12.10
12	Dr. Ritanjali Majhi, Asst. Prof.	2. "A Study on Applications of Multi-Objective Evolutionary Algorithms in Computational Finance",	NCCOMP-2010,NIT Warangal	17.12.10	18.12.10
13	Dr. Ritanjali Majhi, Asst. Prof.	3. "Prediction of SENSEX of BSE Using Functional Link Artificial Neural Network",	NCCOMP-2010,NIT Warangal	17.12.10	18.12.10
14.	Dr.S.L.Tulasi Devi, Asst. Prof.	<b>National Conference:</b> "Role of Non-form income in reducing rural poverty and inequality in Asian Countries"	Adikavi Nannayya University,R ajahmundry	3.12.10	4.12.10
<b>CHEMISTRY DEPARTMENT:</b>					
1	B.V. Appa Rao Professor	National Convention of Electrochemists (NCE-15), Electrochemical investigations of corrosion inhibition of Cu-Ni (90/10) alloy in sea water under hydrodynamic conditions by 1,2,3-benzotriazole	organized by CECRI, Karaikudi, Tamilnadu, held at. Vellore Institute of Technology (VIT), Vellore	2010	
2	B.V. Appa Rao Professor	"Electrochemical and surface analytical studies of corrosion inhibition of carbon steel using 1-hydroxyethane-1,1-diphosphonic acid (HEDP) – zinc ions – ascorbic acid system",.	Proc. 4th International Discussion Meet on Electrochemistry and its Applications (DM-ISEAC-2011), organized by Indian Society for ElectroAnalytical Chemistry, BARC, Mumbai	7.2.11	10.2.11

3	B.V. Appa Rao Professor	"Electrochemical investigations of corrosion inhibition of Cu-Ni (90/10) alloy in sea water under hydrodynamic conditions by 1,2,3-benzotriazole"	National Convention of Electrochemists (NCE-15), organized by CECRI, Karaikudi, Tamilnadu, held at Vellore Institute of Technology (VIT), Vellore	18.2.10.	19.2.10.
4	B.V. Appa Rao Professor	Electroanalytical studies of self assembled nano-films of N-octadecylbenzotriazole on copper for corrosion protection,	Proc. 4th International Discussion Meet on Electrochemistry and its Applications (DM-ISEAC-2011), organized by Indian Society for ElectroAnalytical Chemistry, BARC, Mumbai, at Mascot Hotel, Thiruvananthapuram, Kerala, India,	7.2.11.	10.2.11.
5	A. Ramachandraiah	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	2010	
6	A. Ramachandraiah	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. Bullaya P.G. College, VSKP	2010	
7	A. Ramachandraiah	Spectral and electrochemical Studies of the Kinetics of Dehydrative Dimerisation of Omeprazole	International Conference on "Recent Advances in Discovery" Kakatiya University, Warangal	2010	
8	A. Ramachandraiah	Supramolecular Encapsulation of Organic and Heavy Metal Pollutants by a Novel Series of Quadridentate Cavitands Ligands	Seminar on "Green Chemistry and Sustainable innovation Development" Kakatiya University, Warangal	2010	

9	A. Ramachandraiah	Spectral and Supramolecular Studies of the Schiff Base Cryptands of Substituted 4-(4-minophenoxy)benzenamine and 2, 6- Diformyl-4-methylphenol	International Conference on "Supramolecular Chemistry and Nanomaterials" University of Mumbai, Mumbai	2011	
10	I. A. K. Reddy Professor	A Levyne type Silicoaluminophosphate molecular sieve, SAPO-35 : A novel catalyst for Methanol to Olefin reaction	20th National Symposium on Catalysis, National Centre for Catalysis Research, Indian Institute of Technology Madras, Chennai	1.6.10	
11	I A K Reddy Professor	Synthesis, characterization and catalytical application of Ti-incorporate nanocrystalline catalyst	International Conference of supramolecular chemistry nano materials, University of Mumbai, Mumbai	2011	
12	P.Nageswara Rao Professor	Recent Advances in the "Analytical Science Indian Perspective"	IICT Hyderabad	20.1.11	21.1.11
13	K. Laxma Reddy Professor	National seminar on Recent Advances in Green Chemistry Aligning Science, Education, Industry and Society	Dept. of Chemistry, Satavahana University, Karimnagar	15.11.11	16.11.11
14	P.Nageswara Rao Professor	Optimized and Validated Spectrophotometric Methods for the Determination of Aripiprazole in Drug Formulations	International Conference on "Recent Advances in Drug Discovery", Kakatiya University, Warangal	2010	
15	P.Nageswara Rao Professor	Investigation and Optimization of the Use of Spectrophotometry for Assay of Rabeprazole Sodium with insitu Bromine and Two dyes as Reagents	"12 <sup>th</sup> CRSI National symposium in Chemistry", IICT, Hyderabad	2010	
16	P.Nageswara Rao Professor	Spectrophotometric Studies of Drugs with Chloranilic Acid	"An International Conference on Emerging Trends in Chemistry", University of Pune, Pune, India	2010	
17	K.V. Gobi Associate Professor	NanoAu Ensembled Redox Enzymes for Promoted Electron Transfer and Superoxide Dismutase Sensing	9 <sup>th</sup> International Symposium on Advances in Electrochemical Science and Technology	2.12.10	4.12.10
18	K.V.Gobi Associate Professor	Activated Direct Electron Transfer of Cytochrome c at Au Bionanoconjugates for Electrocatalytic Detection of Superoxide Dismutase Enzyme The Paper received "Best Poster Award".	4 <sup>th</sup> ISEAC International Discussion Meet on Electrochemistry and its Applications	7.2.11	10.2.2011

19	N. Venkatathri Assistant Professor	Synthesis, characterization and Applications of Hollow nano silica	National Seminar on Materials Chemistry and Catalysis	1.6.10	
20	N. Venkatathri Assistant Professor	A Levyne type Silicoaluminophosphate molecular sieve, SAPO-35: A novel catalyst for Methanol to Olefin reaction	20th National Symposium on Catalysis, National Centre for Catalysis Research, Indian Institute of Technology Madras, Chennai	11.2.10	
<b>PHYSICS DEPARTMENT:</b>					
1.	Dr.M.Sai Shankar Associate Professor	International Conference on Fiber optics and Photonics (PHOTONICS-2010)	IIT,Guahati	11.12.10	15.12.10
2.	Dr.R.L.N.Sai Prasad Associate Professor	International Conference on Fiber optics and Photonics (PHOTONICS-2010)	IIT,Guahati	11.12.10	15.12.10
3.	Dr.D.Dinakar Associate Professor	1. International Conference on Fiber optics and Photonics (PHOTONICS-2010)	IIT,Guahati	11.12.10	15.12.10
		2. OPTICS-11, an International conference on light	NIT Calicut, Kerala.	23.05.11	25.05.11
4.	Dr. T. Venkatappa Rao Assistant Professor	1.International Seminar on Polymer science and Engineering (PSE-2010)	University Inst. Of Chemical Engg. And Technology, Punjab University, Chandigarh	26.11.10	27.11.10
		2. OPTICS-11, an International conference on light.	Department of Physics, NIT., Calicut, Kerala, India	23.5.11	25.5.11
<b>MATHEMATICS DEPARTMENT:</b>					
1	Dr. Y. N. Reddy Professor	International Conference on 'Challenges and Applications of Mathematics in Science and Technology'	NIT Rourkela, India		
2	Dr. K. N. S. Kasi Viswanadham Associate Professor	55 <sup>th</sup> Congress of ISTAM (p.213-221)	NIT Hamirpur, India	18.12.10	21.12.10
3	Dr. J.V.Ramana Murthy Associate Professor	55 <sup>th</sup> Congress of ISTAM (p.19 – 27)	NIT Hamirpur, India	18.12.10	21.12.10
4	Dr. D. Srinivasacharya Associate Professor	55 <sup>th</sup> Congress of ISTAM	NIT Hamirpur, India	18.12.10	21.12.10
5	Dr. D. Srinivasacharya Associate Professor	APSMS Congress	Jyothishmathi Institute of Tech. & Science, Karimnagar	Nov. 2010	

6	Dr. Pranitha J Assistant Professor	Indian Society for Theoretical and Applied Mechanics(An International Meet)	NIT Hamirpur, India	18.12.10	21.12.10
7	Dr. H.P. Rani Assistant Professor	Second International conference on Advances in Nuclear Materials (ANM- 2011) conference	BARC, Mumbai	9.2.11	11.2.11
8	Dr. H.P. Rani Assistant Professor	Theme Meeting on Mechanisms, Occurrences and Mitigation of Corrosion Degradation in Nuclear Power Plants [MOMCD – 2011]	BARC, Mumbai	12.2.11	13.2.11
9	Dr. H.P. Rani Assistant Professor	The Fifteenth National Congress on Corrosion Control	NCCI in the Accord Metropolitan, Chennai.	16.9.10	18.9.10
10	Dr. H.P. Rani Assistant Professor	Theme meeting on Flow Accelerated Corrosion FACT-2010	Water & Steam Chemistry Division, BARC Facilities, Kalpakkam, Chennai	23.12.10	--
11	Dr. H.P. Rani Assistant Professor	15 <sup>th</sup> National Congress on Corrosion Control (India's Largest Corrosion Science and Technology Conference)	The Accord Metropolitan, Chennai organised by National Corrosion Council of India, Karaikudi 630 006.	16.9.10	18.9.10
12	Dr. H.P. Rani Assistant Professor	International congress of Mathematicians (ICM) [Presented two papers]	Dept., of Mathematics, University of, Hyderabad, India.	19.8.10	27.8.10
13	Dr. H.P. Rani Assistant Professor	55 <sup>th</sup> Congress of the Indian society of theoretical and applied mechanics (ISTAM) (pp. 89 – 93)	NIT Hamirpur, India	18.12.10	21.12.10
<b>HUMANITIES DEPARTMENT:</b>					
1	Prof. D.S.Kesava Rao	National Seminar on Current Trends in Teaching English Language and Literature	Kadapa	4.2.11	5.2.11
<b>BIOTECHNOLOGY DEPARTMENT:</b>					
1	Dr.P.Sreenivasa Rao, Asst. Prof.	International Conference on Recent Advances in Drug Discovery	Kakatiya University, Warangal	22.10.10	24.10.10
2	Dr.P.Sreenivasa Rao, Asst. Prof.	International Conference on Biotechnology	Kakatiya University, Warangal	2.11.10	4.11.10
3	Dr.P.Sreenivasa Rao, Asst. Prof.	Andhra Pradesh Science Congress 2010	JNTUH & Andhra Pradesh Akademi of Science, Hyderabad	18.11.10	20.11.10
4	Dr.P.Sreenivasa Rao, Asst. Prof.	International Conference on Polymer Science and Engineering: Engineering Dimensions	Punjab University, Punjab	26.11.10	27.11.10

## 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
<b>CIVIL ENGINEERING DEPARTMENT:</b>				
1	Prof. N V Umamahesh	Comparison of stochastic and fuzzy dynamic programming models for the operation of a multipurpose reservoir	Water and Environment Journal	doi:10.1111/j.1747-6593.2011.00255.x Published online in February, 2011. Journal issue in print
2	Prof. N V Umamahesh	Optimal irrigation planning model for an existing storage based irrigation system in India	Journal of Irrigation and Drainage Systems, (Springer Science)	DOI 10.1007/s10795-011-9108-z Published online in June 2011. Journal issue in print
3	Dr.P.Rathish Kumar Associate Professor	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.
4	Dr.P.Rathish Kumar Associate Professor	High Performance Super plasticized Silica Fume Mortars for Ferrocement Works	International Journal of Facta Universtatis, Architecture and Engineering ISSN 0354–4605,	Vol 8 No.2, 2010, pp 129-134.
5	Dr.P.Rathish Kumar Associate Professor	A study on the influence of curing on the strength of a standard grade concrete mix	International Journal of Facta Universtatis, Architecture and Engineering ISSN 0354–4605,	Vol 8 No.1, 2010 pp 23-34.
6	Dr.P.Rathish Kumar Associate Professor	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
7	Dr.P.Rathish Kumar Associate Professor	Fatigue Behaviour of Steel Fiber Reinforced Recycled Aggregate Concrete(SFRRAC) under axial compression	Highway Research Journal, India	Vol 3, No.2 2010
8	Dr.P.Rathish Kumar, Associate Professor	Fiber Reinforced Self Compacting Concrete (FRSCC) Using Coarse Aggregate from Building Demolished Waste	Journal of the Indian National group of the International Association for Bridge and Structural Engineering	Vol 40, No 4 December 2010 pp 1-10
9	Dr.T.D.Gunneswara Rao Assoc. Prof.	Shear Response of Fibrous High Strength Concrete Beams without Web Reinforcement	Civil Engineering Dimension, Vol. 13, No. 1, PP 50-58, ISSN 1410-9530	March 2011,

10	Dr.T.D.Gunneswara Rao Assoc. Prof.	High Strength SFRC: Pure Torsion	Conference "Structural Engineers World Conference – 2011"	April 2011
11	Dr.T.D.Gunneswara Rao Assoc. Prof.	Evaluation of shear resistance of high strength concrete beams without web reinforcement using ANSYS	Journal of Engineering and Applied Sciences	February 2011 Vol. 6 No. 2
12	Dr. S Venkateswara Rao Asst. Professor	Effect of size of aggregate and fines on standard and high strength Self Compacting Concrete	International Journal of Applied Science Research (JASR), Volume No.6, pp 433 – 442.	August, 2010
13	Dr. K. Venkata Reddy	FEM-GIS Based Channel Network Model for Runoff Simulation in Agricultural Watershed using Remote Sensed Data	International Journal of River Basin Management	February, 2011
14	Dr. Venkaiah Chowdary, Assistant Professor	A thermodynamic framework for modelling healing of asphalt mixtures	International Journal of Pavement Research and Technology	July, 2010
15	Dr. Venkaiah Chowdary, Assistant Professor	Utilization of building waste in road construction	Indian Journal of Science and Technology	August, 2010
16	Dr. C.S.R.K. Prasad, Professor Dr. DSNV Amarkumar Assistant Professor	Prediction of Rural Road Pavement Performance using DCP	International Journal of Civil Engineering 2(1), pp. 23-32	Jan-July, 2010
<b>ELECTRICAL ENGINEERING DEPARTMENT:</b>				
1.	Dr.M.Sydulu, Professor, Mithun M.Bhaskar, and Srinivas M	Optimal Power flow(SCOPF)	Int.Journal of Computer Application Foundation of Computer Science USA	Vol.11 No.6 PP42-52 2010
2.	Dr.M.Sydulu, Professor, Mithun M.Bhaskar, and Srinivas M	A Novel Progressively swarmed mixed integer Genetic Algorithms for security constraint optimal power flow (SCOPF)	Int. Journal of science and Technology	Vol.2 No.11 PP 34-40 2010
3.	Dr.M.Sydulu, Professor, Mithun M.Bhaskar, and Srinivas M	A Novel Shrinking search space (SSS) Genetic algorithm based approach to security constraints optimal power flow	Journal of Kunming University of Science and Tech.(Natural Science Edition.	Vol.36 No.3 June 2011
4.	Dr.D.M.Vinod Kumar, Professor & Mr.Vijaya Kumar	Optimal Bidding Strategy in an Open Electricity Market using Genetic Algorithm	Int. Journal of Advanced soft Computing applications	Vol.3 No.1 March, 2011
5.	Dr.D.M.Vinod Kumar, Professor & Mr.Vijaya Kumar	Assessment of Market Power in Deregulated Electricity Market with Congestion	ACEEE Int Journal on Electrical and Power Engineering	Vol.2 No.01 Feb, 2011

6.	Dr.D.M.Vinod Kumar, Professor & Ch.Venkaiah, Associate Professor	Static Security Based Available Transfer Capability (ATC) computation for real- time power markets	Serbian Journals of Electrical Engg	Vol.7 No.2 Nov,2010
7.	Dr.D.M.Vinod Kumar, Professor & Ch.Venkaiah, Associate Professor	Fuzzy PSO Congestion Management using sensitivity Based Optimal Active Power Rescheduling of Generator	Journal of Electrical Engg.	Vol.6 No.1 2011
8.	Dr.N.Subrahmanyam, Associate Professor, Mr.K.Chandram & Dr.M.Sydulu, Professor	Equal embedded algorithm for economic dispatch with transmission losses	JEPE	2010
9.	Dr.N.Subrahmanyam, Associate Professor, Mr.K.Chandram & Dr.M.Sydulu, Professor	Unit commitment by improved pre-prepare Power demand table and muller method	JEPE	2010
10.	Dr.N.V.Srikanth, Associate Professor and Mr.R.S.Dhekekar	Implementation of real time fuzzy control SVC	Journal of Electrical Engg. Romania	Vol.10 2010
11.	Dr.S.Srinivas Rao, Associate Professor & Mr.Gulam Amer	A Novel Harmonic Reduction Technique for Modular Isolated Boost converter	Journal of Electrical Engg. Romania	Vol.10 No.2 June2010
12.	Dr.S.Srinivas Rao, Associate Professor, Mr.Gulam Amer & Mr.P Anki Reddy	An Improved current sharing method for paralleled DC/DC Converter using Fuzzy logic control	Journal of Electrical Engg. Romania	Vol.10 No.2 June2010
13.	Dr.S.Srinivas Rao, Associate Professor & Mr.Gulam Amer	An Overview of single phase telecommunication converter topologies: A Comparative study	Majlesi Journal of Electrical, Iran	Vol.4. No.2 Sept.2010
14.	Dr.S.Srinivas Rao, Associate Professor & Mr.Gulam Amer	Estimation of Reliability of a Interleaving PFC Boost Converter	Serbian Journal of Electrical Engg.	Vol.7. No.2 Nov.2010
15.	Dr.M.Sailaja Kumari Associate Professor, Mr.G.Vamsi Krishna Karthek, Mr.SVN Jithin Sundar	An Improved system Operation for better voltage stability and reduced losses	India Power Journal	2011
16.	Dr.M.Sydulu, Professor Dr.M.Sailaja Kumari, Sri. Chandrasekhar & Mr.Mithun Bhaskar	A Shuffled frog leap Algorithm for Economic load dispatch with Network losses	National Conference on Electrical Machines and Power systems, Pondicherry Engg College	Vol1 PP 180-184
17.	Dr.M.Sydulu, Professor Potuganti Prudhvi & Mr.Mithun Bhaskar	A Big Bang Big Crunch Algorithm (BBBC) for economic dispatch with network losses and dynamic constraints	National Conference on machines and power systems, Pondicherry Engg College	Vol1 PP 203-208
18.	Dr.M.Sydulu, Professor & Mr.Mithun Bhaskar, Srinicas M	A Music Based Harmony search (MBHS) approach to optimal power flow for minimum reactive power generation	IEEE International conference on power and energy (PECON'10) Malaysia	PP 7-11 29 <sup>th</sup> to 1 <sup>st</sup> Dec 2010.

19	Dr.M.Sydulu, Professor Mr.Mohan Benerji and Mr.Mithun Bhaskar	An Improved artificial Honey Bee Colony based economic dispatch with dynamic operating constraints	IEEE Indian conference (INDICON- 10) Jadhavpur University Kolkata India	2010
20	Dr.M.Sydulu, Professor & Mr.Mithun Bhaskar, Srinivas M	An Enhanced Music Based Harmony search (MBT with progressive filling approach to optimal power flow problem )	International conference on electrical power and energy systems, ICEPES-2010 Bhopal	Vo;2. PP271-277, NIT Bhopal
21	Dr, D.M.Vinod Kumar, Professor,and Mr.Vijaya Kumar	Congestion Influence on Strategic Bidding in Deregulated Electricity Markets,	National Conference on Power System. Andhra University	29-30 June 2010 PP249-254
22	Dr, D.M.Vinod Kumar, Professor,and Mr.Vijaya Kumar	Optimal Bidding Strategy in competitive Market using particle swarm Optimization	Int Conference on Electrical Power and Energy systems (ICEPES-10) NIT Bhopal	26-28 Aug 2010
23	Dr, D.M.Vinod Kumar, Professor,and Mr.Vijaya Kumar	Generation Bidding Strategy Based on Game Theory	Int Conference on Modern Electric Power Systems (MEPS) Poland	2010
24	Dr, D.M.Vinod Kumar, Professor,and Mr.Vijaya Kumar	Congestion Influence on Optimal Bidding in Competitive Electrical Market	16 <sup>th</sup> National Power systems Conference (NPSC),O.U, Hyd	15 <sup>th</sup> -17 <sup>th</sup> December 2010 PP 98-102
25	Dr, D.M.Vinod Kumar, Professor,and Mr.Vijaya Kumar	Strategic Bidding in Deregulated Market Using Particle Swarm Optimization	IEEE India Conference (INDICON-2010), Jadavpur University	2010
26	Dr.DVSS Siva Sarma, Mr.G.Sunil Kumar and Mr.C.Venkatash	Wavelet transform based Harmonic analysis and real power measurement	IEEE International conference on Power Electronics (IICPE ) NSIT, New Delhi,	28 <sup>th</sup> -30 <sup>th</sup> Jan 2011
27	Dr.DVSS Siva Sarma, Mr.G.Sunil Kumar and Mr.C.Venkatash	Wavelet and S-transform based Multilayer and Modular Neural Networks for classification of Power Quality Disturbances	National Power systems Conference (NPSC2010) Hyderabad	16 <sup>th</sup> - 18 <sup>th</sup> Dec 2010
28.	Dr.DVSS Siva Sarma, Mr.G.Sunil Kumar and Mr.C.Venkatash	Techniques used for Detection of Power quality Events- a comparative study	National Power Systems Conference(NPSC20 10) Hyd.	16 <sup>th</sup> -18 <sup>th</sup> Dec 2010
29.	Dr.DVSS Siva Sarma, Professor, C.Venkatash	Mitigation of Voltage sag using Curve -fit Controlled PWM Switched autotransformer	IEEE Power and Energy society General Meeting Detroit USA	24-29 July 2011
30.	Dr.V.T Somasekhar, Mr.B.Venugopal Reddy	A Four level Inverter with Open end winding Induction Motor drive with decoupled space vector	National Power Electronic Conference IIT Roorkee,	10-13 June 2010

31.	Dr.V.T Somasekhar, Mr.B.Venugopal Reddy	A Decoupled SVPWM Technique for a Dual Inverter Four-level open end winding induction motor drive with voltage balance of DC-link capacitors	PEDES Delhi	20-23 December 2010
32.	Dr.V.T Somasekhar, Mr.B.Venugopal Reddy and P.Srinivasan	PWM Switching Strategy for the Elimination of common mode voltage of a two level Inverter drive with an Open end winding Induction motor configuration	PEDES Delhi	20-23 Dec 2010
33.	Dr.V.T Somasekhar, Mr.B.Venugopal Reddy	A Space Vector based PWM for a Four Level Dual Inverter fed Open end winding Induction Motor drive with voltage balancing of DC link capacitors	IICPE Delhi	28-30 January 2011
34.	Dr.V.T Somasekhar, Mr.B.Venugopal Reddy	A Constant switching decoupled space vector PWM Scheme for four level open end winding induction motor drive	ICETECT, Nagercoil	23-24 Mar 2011
35.	Dr.V.T Somasekhar, Mr.B.Venugopal Reddy	Thermal Evaluation of space vector PWM Scheme for four level Inverter fed open end winding induction motor drive	ICETECT, Nagercoil	23-24 Mar 2011
36	DR.N.V.Srikanth,Associate Professor , DHari Krishna, RS Dhekekar	Novel Approach to small single stability enhancement using fuzzy thyristor susceptance control of SVC using Lyapunov stability	16 <sup>th</sup> National Power systems conference-NPSC-2010,O.U Hyd	15-17 Dec 2010
37.	DR.N.V.Srikanth,Associate Professor , RS Dhekekar	H-Bridge Multilevel VSC Control for Effective VAR compensation of Transmission Line.	16 <sup>th</sup> National Power systems conference-NPSC-2010,O.U Hyd	15-17 Dec 2010
38.	DR.N.V.Srikanth,Associate Professor , RS Dhekekar	VSC for reactive power control of transmission line with fast response	IEEE, INDICON, Jadavpur University Kolkata	17-19 Dec2010
39.	DR.N.V.Srikanth,Associate Professor , DHari Krishna, RS Dhekekar	A Novel approach to Dynamic stability enhancement using PID damped Fuzzy susceptance controlled SVC	IEEE Power systems conference and Exposition- PSCE to be held at Phoenix Arizona USA	20-23 Mar 2011
40.	Dr.S.Srinivas Rao, Associate Professor	Performance Comparison of three phase telecom converter topologies A survey,	International Conference on Electrical Power and energy systems ICEPES-MANIT Bhopal	PP197-205 Vol1 –Aug 26-28, 2010
41	Dr.S.Srinivas Rao, Associate Professor	Average voltage vector control technique for torque ripple minimization in Induction Motor Drives	International Conference on Electrical Power and energy systems ICEPES-MANIT Bhopal	PP363-369 Vol1 –Aug 26-28, 2010

42.	Dr.S.Srinivas Rao, Associate Professor	Sensorless SVM-DTC Method for Induction Motor drives based on Amplitude and Angle decoupled control of stator flux	International Conference on Power control and Embeded system (ICPCES) MNNIT Allahabad	28 <sup>th</sup> Nov to 1 <sup>st</sup> Dec 2010
43.	Dr.S.Srinivas Rao, Associate Professor	An EMI Filter for Boost PFC Converter	International Conference on Power control and embedded Systems(ICPCES) MNNIT Allahabad	28 <sup>th</sup> Nov to 1 <sup>st</sup> Dec 2010
44.	Dr.S.Srinivas Rao, Associate Professor	Direct Torque control method for Induction Motor drives based on Modified amplitude and angle decoupled control of stator flux	IEEE International power electronic Drive and Energy systems (PEDES-2010)-Power India at India Habitat Centre, New Delhi	21 to 23 Dec 2010
45.	Dr.S.Srinivas Rao, Associate Professor	Performance of Modular PFC Boost Converter using Average Current Control	IEEE INDICON, Jadavpur University Kolkata.	17-19 Dec 2010
46.	Dr.S.Srinivas Rao, Associate Professor	Power supply architecture for Telecom application A review	International Conference on Communication control and computing Technologies, KanyaKumari	7-10 October 2010
47.	Dr.S.Srinivas Rao, Associate Professor	Sensor less Direct Torque control of three phase induction motor drive based on stator flux control	IEEE India International conference on power electronic-IICPE 2010 at Netaji Subhas Institute of Technology, New Delhi.	28-30 Jan 2011
48.	Dr.S.Srinivas Rao, Associate Professor	Switching state algorithm for space vector pulse width modulation (SVPWM)	7 <sup>th</sup> Mediterranean conference and exhibition on Power Generation, Transmission distribution and energy conversion, Agia Napa Cyprus	7-10 Nov 2010 (paper no.MED 10/185)
49.	Dr.S.Srinivas Rao, Associate Professor	Reduction of torque ripple in direct torque control of induction motor using constant switching frequency operation	7 <sup>th</sup> Mediterranean conference and exhibition on Power Generation, Transmission distribution and energy conversion, Agia Napa Cyprus	7-10 Nov 2010 (paper no.MED 10/175)
50.	Dr.M.Sailaja Kumari, Dr.M.Sydulu, and Mr.B.Naresh	Transmission cost allocation using power flow tracing and Genetic algorithm	IEEE Internation Conference on Intelligent system University of Westminster, London, UK	7- 9 July 2010

51.	Dr.M.Sailaja Kumari, Dr.M.Sydulu, Yammani.Chandrashekar, and Mithun Bhaskar	A Hybrid PSO shuffled frog leap Algorithm for economic load dispatch with Network losses	National Conference on Machines and Power System held at Pondicherry Engineering College,	Feb 2011 Vol 1 PP180-184
52.	Sri B.Nagu,Asst Professor	Improvement of power system stability using HVDC based fuzzy control	WSEAS International conference at Cambridge	23-25 Feb.
<b>MECHANICAL ENGINEERING DEPARTMENT:</b>				
1.	D. Chakradhar and A. Venu Gopal	Multi-Objective Optimization of Electrochemical machining of EN31 steel by Grey Relational Analysis	International Journal of Modeling and Optimization	June 2011
2.	G. Amba Prasad Rao	Development of variable timing fuel injection cam for effective abatement of diesel engine emissions	Applied Energy (Elsevier)	2011
3.	G. Amba Prasad Rao	Conversion of diesel engine into spark ignition engine to work with CNG and LPG fuels for meeting new emission norms.	Thermal Science (Serbia publications)	2010
4.	G. Amba Prasad Rao	Development of Automotive DI diesel engine to comply with Stringent Emission Norms	International Journal of Power and Energy Conversion (Inder Science)	Under forth coming issue
5.	G. Amba Prasad Rao	Computational Analysis of Intercity Bus With Improved Aesthetics and Aerodynamic Performance on Indian Roads	International Journal of Advanced Engineering Technology	July-Sept.2011
6.	Gururaja Rao C.	Interaction of Surface Radiation with Conjugate Mixed Convection from a Vertical Plate with Multiple Non-identical Discrete Heat Sources	Chemical Engineering Communications	2011
7.	Gururaja Rao C.	Parametric Studies on Combined Conduction-Mixed Convection-Radiation from a Discretely and Non-Identically Heated Electronic Board	International Journal of Advances in Thermal Sciences and Engineering	2010
8.	Gururaja Rao C.	Effect of Surface Radiation on Conjugate Convection from an Electronic Board with Multiple Embedded Discrete Heat Sources	International Journal of Applied Engineering Research	2010
9.	Gururaja Rao C.	Effect of Surface Radiation on Conjugate Convection in a Closed and Discretely Heated Rectangular Cavity	International Journal of Advanced Engineering Technology	2011

10.	Gururaja Rao C.	Parametric Studies on Multi-Mode Heat Transfer from a Rectangular Slab with Multiple Discrete Heat Sources	Journal of The Institution of Engineers (India)	2010
11.	G.Naga Srinivasulu	Parametric Sensitivity Analysis of PEM Electrochemical Model	International Journal of Hydrogen Energy	April-2011 In Press
12.	Puli Ravi Kumar	Performance Characteristics of Diesel Engine Operated on Biodiesel with Exhaust Gas Recirculation	International Journal of Advanced Engineering and Technology	2011
13.	Puli Ravi Kumar	Determination of Ecological Efficiency of Direct Injection Diesel Engine Fuelled with Biofuels	International Journal of Mechanical and Automobile Engineering	2010
14.	Puli Ravi Kumar	The Effect of Supercharging on Performance and Emission Characteristics of C.I.Engine with Diesel-Ethanol-Ester blends	Journal of Thermal Science	(In Print)
15.	Puli Ravi Kumar	Performance and Emission Characteristics of Diesel Engine Run on Biofuels Based on Experimental and Semi Analytical Methods	International Journal of Energy and Environment	2011
16.	Puli Ravi Kumar	Comparison of performance characteristics of direct injection diesel engine using blends of cottonseed oil, karanja, neem oil with diesel	International Journal of advances in thermal sciences and engineering	2010
17.	Puli Ravi Kumar	Performance evaluation of lean combustion technology in diesel engine	Journal of engineering research studies	2011
18.	A. Veeresh Babu	Performance and Emission Evaluation of a diesel engine fuelled with Methyl Ester of Tobacco seed oil	International Journal of Mechanical Engineering	January – June, 2010
<b>COMPUTER SCIENCE AND ENGINEERING DEPARTMENT:</b>				
1.	Prof.D.V.L.N. Somayajulu, Professor and B.Raju Assistant Professor	2-jump DNA search multiple pattern matching algorithm	International Journal of Computer Science Issues	May, 2011

2	Prof.D.V.L.N. Somayajulu, Professor and B.Raju Assistant Professor	Exact Multiple Pattern Matching Algorithm Using DNA Sequence and Pattern pair	International Journal of Computer Applications	March, 2011
3	Prof.D.V.L.N. Somayajulu, Professor and B.Raju, Assistant Professor	An index based k-partitions multiple pattern matching algorithm	ACEEE International Journal on Network Security	April, 2011
4	Prof. D.V.L.N. Somayajulu V.Sivaram Krishna Reddy and A R Dhani	Classification of Movie Reviews using complemented Naïve Bayesian Classifier	International Journal of Intelligent Computing Research	162-167, Vol.1(4)
5	Prof.D.V.L.N. Somayajulu, Professor and B.Raju, Assistant Professor	An index based random multiple pattern matching algorithm	2011 3rd International Conference on Computer Modeling and Simulation (ICCMS 2011)	2011
6	Prof.D.V.L.N. Somayajulu, Professor and B.Raju, Assistant Professor	Index based sequential multiple pattern matching algorithm using pair indexing	2011 International Conference on Life Science and Technology (ICLST 2011)	2011
7	Prof.D.V.L.N. Somayajulu, Professor and B.Raju, Assistant Professor	An index based sequential multiple pattern matching algorithm	2011 International Conference on Bioscience, Biochemistry and Bioinformatics (ICBBB 2011)	2011
8	Prof.D.V.L.N. Somayajulu, Professor and B.Raju, Assistant Professor	An Index Based Sequential Multiple Pattern Matching Algorithm Using Least Count	2011 International Conference on Life Science and Technology (ICLST 2011)	2011
9	Prof.D.V.L.N. Somayajulu, Professor and B.Raju, Assistant Professor	Index based forward backward multiple pattern matching algorithm using count	2011 3rd International Conference on Computer Modeling and Simulation (ICCMS 2011)	2011
10	Prof. B. B. Amberker, Professor	A key Management Scheme for Secure Group Communication using Binomial Trees	International Journal of Network Management	November/December. 2010
11	Prof. B. B. Amberker, Professor	Steganographic Scheme for Gray-level Image using Pixel Neighborhood and LSB Substitution,	International Journal of Image and Graphics	October, 2010
12	Prof. B. B. Amberker, Professor	Power Efficient Logical Ring based Key Management for Clustered Sensor Networks,	Int. J. of Sensor Networks	2011
13	Prof. B.B.Amberker, Professor	Secure Data Collection Using Mobile Data Collector in Clustered Wireless Sensor Networks	IET Wireless Sensor Systems	June, 2011

14	Prof. B.B.Amberker, Professor	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, 2010
15	Prof. B.B.Amberker, Professor	Logical Ring based Key Management for Clustered Sensor Networks with Changing Cluster Head	, International Conference on Signal Processing and Communications - 2010 (SPCOM 2010)	July, 2010
16	Prof. B.B.Amberker, Professor	<i>Secure End-to-End Data Aggregation in Wireless Sensor Networks</i>	, Seventh International Conference on Wireless and Optical Communication Networks (WOCN 2010)	September, 2010
17	Prof. B.B.Amberker, Professor	Secure Data Collection in Sensor Networks using Tree based Key Management and Secret Sharing,	6th International Conference on Next Generation Web Services and practices	November, 2010
18	Prof. B.B.Amberker, Professor	Key Establishment Scheme for Clustered Sensor Networks using Secret Sharing	6 <sup>th</sup> International conference on Information Systems Security	December, 2010
19	Prof. B.B.Amberker, Professor	<i>Estimating the Embedding Capacity of a Color Image using Color Difference</i>	, Seventh International Conference on Wireless and Optical Communication Networks (WOCN 2010)	September, 2010
20	Prof. B.B.Amberker, Professor	<i>Reversible Fragile Medical Image Watermarking with zero Distortion</i>	, IEEE International Conference on Computer and Communication Technology (ICCT-2010)	September, 2010
21	Prof. B.B.Amberker, Professor	<i>Implementation of Key Management Scheme for Multiple Simultaneous Secure Group Communication</i>	International Conference on Communication, Computation, Control and NanoTechnology (ICN-2010)	October, 2010
22	Prof. B.B.Amberker, Professor	<i>Non-blind Watermarking scheme for color images in RGB space using DWT-SVD</i>	International Conference on Communications and Signal Processing (ICCSP 2011)	February, 2011
23	Prof. B.B.Amberker, Professor	<i>Group Key Management Scheme for Simultaneous Multiple Groups with Overlapped Membership</i>	The third International Conference on Communication Systems and Networks (COMSNETS 2011)	January, 2011

24	Dr. S.G.Sanjeevi, Associate. Professor	The Framework of an Adaptive User Interface for E-learning Environment using Artificial Neural Network	9th International Conference on e-Learning, e-Business, Enterprise Information Systems, and e-Government	July, 2010
25	Dr. S.G.Sanjeevi, Associate. Professor	Learning Style Recognition using Artificial Neural Network for Adaptive User Interface in E-learning,	IEEE International Conference On Computational Intelligence And Computing Research (ICCIC'10)	December, 2010
26	Dr. S.G.Sanjeevi, Associate. Professor	Function approximation with a neural network trained using simulated annealing	National Conference on recent frontiers in applied dynamical systems	January, 2011
27	Dr. S.G.Sanjeevi, Associate. Professor	Using simulated annealing with a neural network for classification	National Conference on recent frontiers in applied dynamical systems	January, 2011
28	Dr.R.Padmavathy, Assistant Professor	Cryptanalysis on STPKE'	International Journal of Computer Applications	April, 2011
29	Dr.R.Padmavathy, Assistant Professor	Impersonating the Server Attack on Simple Three Password Key Exchange Protocol	International Journal of Computer Sciences and Engineering Systems	April, 2011
30	Dr.R.Padmavathy, Assistant Professor	A Small Sub group Attack for Recovering Ephemeral Keys in Chang and Chang Key Exchange Protocol	Journal of Computers	April, 2011
31	Dr.R.Padmavathy, Assistant Professor	Solving Discrete Logarithm Problem for Ephemeral Key Recovery Chang and Chang Key Exchange Protocol	Journal of Information Processing and Systems	September, 2010
32	Dr.R.Padmavathy, Assistant Professor	Improved Three Party EKE protocol	Information Technology and Control	September, 2010
33	Dr,R.Padmavathy, Assistant. Professor	Discrete Logarithm Problem using Index Calculus Method	International Symposium on Advances in Cryptography, Security and Applications for Future Computing	December, 2010
<b>ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT:</b>				
1	Dr. T. Kishore Kumar, Associate Professor	"Indoor Target Detection in Through-The-Wall Radar Imaging Using Impulse Based Signals"	International Journal of Computational Intelligence Research & Applications	January-June 2011
2.	Dr T. Kishore Kumar, Associate Professor	"Real Time Isolated Word Speech Recognition System for Human Computer Interaction"	International Journal of Computer Applications	November 2010

<b>METALLURGICAL AND MATERIALS ENGG. DEPARTMENT:</b>				
1	Dr Asit Kumar Khanra, Assistant Professor	Comparative property study on extruded Mg-HAP and ZM61-HAP composites	Material Science & Engineering A, 529(9), 2010, pp.6283-6288.	2010
<b>CHEMICAL ENGINEERING DEPARTMENT:</b>				
1.	A. Venu Vinod, B. Narender Reddy	Microfluidics of Nanodrug Delivery at Different Angles of Drug Injection	Chemical Product and Process Modeling	5, Issue 1, Article 31, 2010
<b>MATHEMATICS DEPARTMENT:</b>				
1	Dr. Y. N. Reddy Professor	A Fitted Numerov Method for Singular Perturbation Problems Exhibiting Twin Layers	Applied Mathematics and Information Sciences	Vol. 4, No. 3, pp. 341–352, 2010
2	Dr. Y. N. Reddy Professor	Numerical Asymptotic method for Singular perturbation Problems	<i>International Journal of Mathematical Sciences and Applications</i>	Vol. 1 No. 2 2011
3	Dr. Y. N. Reddy Professor	Non-Iterative Numerical Integration method for Singular Perturbation Problems exhibiting Internal and Twin Layers	<i>International Journal of Applied Mathematics and Computation</i>	Vol 1 No 3, 2011
4	Dr. Y. N. Reddy Professor	Fourth Order Finite Difference Method for Singularly Perturbed two-point boundary value problems	International Journal of Mathematical Sciences and Engineering Applications	Vol 2, No 5, 2011 pp. 327-338
5	Dr. Y. N. Reddy Professor	A seventh order numerical method for singular perturbed differential-difference equations with negative shift	<i>Nonlinear Analysis: Modelling and Control</i>	Vol 16, No 2, 2011, pp. 206-219
6	Dr. Y. N. Reddy Professor	Numerical Treatment of Singularly Perturbed Two-Point Boundary Value Problems with Mixed Condition using Differential Quadrature Method	<i>International Journal of Mathematical Sciences &amp; Applications</i>	Vol. 1 No. 1, 2011
7	Dr. Y. N. Reddy Professor	Initial value Technique for Singularly Perturbed two point boundary value problems using Differential Quadrature method	<i>International J. of Math. Sci. &amp; Engg. Appls.</i>	Vol. 5 No. IV, 2011, pp. 407-431
8	Dr. K.N.S.Kasi Viswanadham Associate Professor	Sextic B-spline Galerkin method for sixth order boundary value problems	International Journal of Mathematical Sciences & Engineering Applications	Vol.4 (2010), p.377-387

9	Dr. K.N.S.Kasi Viswanadham Associate Professor	Septic B-spline collocation method for sixth order boundary value problems	ARPN Journal of Engineering and Applied Sciences	Vol.5 No.7(2010), p.36-40
10	Dr. K.N.S.Kasi Viswanadham Associate Professor	Numerical solution of fourth order boundary value problems by Galerkin method with quintic B-splines	International Journal of Nonlinear Science	Vol.10, No.2 (2010), p.222-230
11	Dr. K.N.S.Kasi Viswanadham Associate Professor	Numerical solution of fifth order boundary value problems by collocation method with sixth order B-splines	International Journal of Applied Science and Engineering	Vol.8, No.2 (2010), p.119-125
12	Dr. J.V.Ramana Murthy Associate Professor	Numerical Solution of Longitudinal And Torsional Oscillations of a Circular Cylinder With Suction in a Couple Stress Fluid	APRN. J. Engg. App. Sci	5(5), 2010, pp 51 – 63.
13	Dr. J.V.Ramana Murthy Associate Professor	Unsteady Flow of Micropolar Fluid Through a Circular Pipe Under Transverse Magnetic Field With Suction/ Injection	Selcuk. J. Appl. Math	11(2), 2010
14	Dr. J.V.Ramana Murthy Associate Professor	Steady Flow of an Incompressible Micropolar Fluid Trough a Rectangular Channel	I.J.A.M.M.	6(17), 2010, pp 55 – 63
15	Dr. J.V.Ramana Murthy Associate Professor	Peristaltic Pumping of Micropolar Fluid in an Inclined Tube	I.J.A.M.M.	6(11), 2010, pp 26 – 40
16	Dr. J.V.Ramana Murthy Associate Professor	Long Wave Length Approximation to Peristaltic Motion of Micropolar Fluid With Wall Effects	AAMM	2(2) 2010, pp 222 – 237
17	Dr. J.V.Ramana Murthy Associate Professor	Micropolar fluid flow in a straight circular cylinder performing longitudinal and torsional oscillations	Comput. Thermal. Scien.	3.(2), 2011 pp 123 – 131.
18	Dr. D. Srinivasacharya Associate Professor	Mixed Convection Heat and Mass Transfer in a Micropolar Fluid with Soret and Dufour Effects	Adv. Appl. Math. Mech	Vol. 3(4) , 389-400, 2011
19	Dr. D. Srinivasacharya Associate Professor	Magnetic effect on free convection in a non-Darcy porous medium saturated with doubly stratified power-law fluid	<i>J. of the Braz. Soc. of Mech. Sci. and Eng.</i>	Vol.33(1), 8-14, 2011
20	Dr. D. Srinivasacharya Associate Professor	Effect of Double Stratification on Mixed Convection in a Micropolar Fluid Saturated Non-Darcy Porous Medium	Int. Rev. of Chemical Engineering	Vol 3 No 2, 222-232

21	Dr. D. Srinivasacharya Associate Professor	Mixed Convection Heat and Mass Transfer in a Non-Darcy Micropolar Fluid with Soret and Dufour Effects	<i>Nonlinear Analysis: Modelling and Control</i>	Vol. 16 (1), 100–115, 2011
22	Dr. D. Srinivasacharya Associate Professor	Effects of Soret and Dufour on Mixed Convection Heat and Mass Transfer in a Micropolar Fluid with Heat and Mass Fluxes	<i>Int. J. of App. Math. and Mech</i>	Vol. 6 (21), 8-21, 2010
23	Dr. D. Srinivasacharya Associate Professor	Unsteady flow of micropolar fluid through a circular pipe under a transverse magnetic field with suction/injection	Selcuk J Appl. Math	Vol 11(2), 13-26, 2010
24	Dr. D. Srinivasacharya Associate Professor	Chemical reaction and radiation effects on MHD mixed convection heat and mass transfer in a non-Darcy porous medium	<i>Int. J. Fluid Mech.,</i>	2(1) January-June 2010; pp. 1-8
25	Dr. D. Srinivasacharya Associate Professor	Heat and Mass Transfer by Natural Convection in a Doubly Stratified Non-Darcy Micropolar Fluid	Int. Comm. in Heat and Mass Transfer	Vol. 37 (2010) 873–880
26	Dr. D. Srinivasacharya Associate Professor	MHD and Radiation Effects on Non-Darcy Mixed Convection	Int. J. of Non-Linear Science	Vol.10 (2010) No.1,pp.61-69
27	Dr. D. Srinivasacharya Associate 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	Vol. 4, (2010), pp. 295-308
28	Dr. Pranitha J Assistant Professor	Chemical reaction and radiation effects on MHD mixed convection heat and mass transfer in a non-Darcy porous medium	International Journal of Fluid Mechanics	January-June 2010
29	Dr. Pranitha J Assistant Professor	MHD and Radiation Effects on Non-Darcy Mixed Convection	International Journal of Nonlinear Science	August, 2010
30	Dr. R. S: Selvaraj Assistant Professor	On Equidistant Rank Metric Codes: Rank and Kernel	International Journal of Modern Mathematics	Vol. 5, No. 2, pp. 207 – 214, 2010
31	Dr. R. S. Selvaraj Assistant Professor	Equidistant Rank Metric Codes: Construction and Properties	Communications in Information and Systems	Vol. 10, No. 3, pp. 183 – 192, 2010
32	Dr. H.P. Rani Assistant Professor	Numerical analysis of couple stress fluid past an infinite vertical cylinder	Engineering Applications of Computational Fluid Mechanics	Vol.5, No.2, May 2011
33	Dr. H.P. Rani Assistant Professor	A numerical study on unsteady natural convection of air with variable viscosity over an isothermal vertical cylinder	<i>Korean J. Chem. Eng.,</i>	Vol. 27(3), pp.759-765, 2010

34	Dr. H.P. Rani Assistant Professor	A transient natural convection of micropolar fluids over a vertical cylinder	<i>Heat Mass Transfer</i>	Vol. 46, Nos. 11-12, pp.1277-1285, 2010
35	Dr. P. Muthu Assistant Professor	Numerical solution of longitudinal and torsional oscillations of a circular cylinder with suction in a couple stress fluid	ARPN Journal of Engineering and Applied Sciences	Vol 5, No. 5, pp: 51-63, 2010
36	Dr. P. Muthu Assistant Professor	Finite difference solutions for MHD flow of couple stress fluid between two concentric rotating cylinders with porous lining	Int. Jr. Applied Maths and Mech	Vol 6, No. 12, pp: 1-28, 2010
37	Dr. P. Muthu Assistant Professor	Mathematical model of flow in renal tubules	International Journal of Applied Mathematics and Mechanics	Vol 6, No. 20, p: 94-107, 2010
38	Dr. P. Muthu Assistant Professor	Fluid Flow in a rigid wavy non uniform tube: Application to flow in renal tubules	ARPN Journal of Engineering and Applied Sciences	Vol : 5, No. 11, p : 15-21, 2010
39	Dr. P. Muthu Assistant Professor	Fluid flow in an asymmetric channel	Tamkang Journal of Mathematics	Vol : 42, No. 2, p :149 162, 2011
40	Dr. A. Benerji Babu Assistant Professor	Nonlinear convection due to Compositional and Thermal Buoyancy in Earth's outer core	Int. J. of Non-linear Mechanics	Vol 46, pp 919-930, 2011.
<b>HUMANITIES DEPARTMENT:</b>				
1	Prof.D.S.Kesava Rao	The relevance of Humanities in Engineering Education in the context of Digitalization and Globalization:the English Teacher's role.	Forum for Musings: Jntu Journal of English Studies	February 2011
<b>PHYSICS DEPARTMENT:</b>				
1.	Dr.K.Srimanaraya Professor Dr.M.Sai Shankar Associate Professor and Dr.R.L.N.Sai Prasad Associate Professor	1. Micro-change in liquid level sensing by extrinsic fiber optic sensor	OPTOELECTRONICS AND ADVANCED MATERIALS – RAPID COMMUNICATIONS	5(5) (2011)491 – 494 May 2011
		2. A simple FBG Sensor for strain-temperature discrimination	Microwave and Optical Technology letters	5(5) (2011)491 – 494 May 2011
		3. Polymer-Coated Fiber Bragg Grating Sensor for Cryogenic Temperature Measurements	Microwave and Optical Technology Letters,	53(5) (2011)1154-1157 May 2011

2	Dr.A.R.C. Reddy Professor and Dr. K V G. Reddy Associate Professor	1. Design and development of embedded Web server for home automation	J.Instrumentation Society of India,	2010
3	Dr.A.R.C. Reddy Professor and Dr. K V G. Reddy Associate Professor	2. Structure and Magnetic Properties of Stoichiometric, Nonstoichiometric Nicuzn Ferrites	International Journal of Materials Science	2011
4	Dr.A.R.C. Reddy Professor and Dr. K V G. Reddy Associate Professor	3. NiCuZn Nano Ferrite Prepared by Sol Gel Poly(vinyl alcohol) Method for Multilayer Chip Inductor Applications.	Asian Journal of Chemistry	2011
5.	Dr. S V S Ramana Reddy Professor	Spectroscopic and Thermal Studies on irradiated Poly(ethylene Maleic anhydride	accepted for publication in American Institute of Physics (AIP) journal	2011
6.	Dr.L.R.G. Reddy Professor & Head	1. Detecting congestive heart failure using heart rate sequential trend analysis plot	International Journal of Engineering Science and Technology	2 (12) (2010)7329-7334
7	Dr.L.R.G. Reddy Professor & Head	2. The Effect of Aging on Nonlinearity and Stochastic Nature of Heart Rate Variability Signal Computed using Delay Vector Variance Method	International Journal of Computer Applications	2011 DOI :10.5120/1837-2470
8	Dr.L.R.G. Reddy Professor & Head	3. Quantifying the Effect of Aging on the Autonomic Control of Heart Rate Using Sequential Trend Analysis Plot	<u>IFMBE Proceedings,</u>	34(2011) 245-248 DOI: 10.1007/978-3-642-21683-1_62
9	Dr. T. Venkatappa Rao Assistant Professor	1.Spectroscopic and Thermal Studies on irradiated Poly(ethylene Maleic anhydride	accepted for publication in American Institute of Physics (AIP) journal	
10	Dr. T. Venkatappa Rao Assistant Professor	2. Spectroscopic Studies on Degradation of Poly N,N'- Methylene Bisacrylamide.	Int. J. Chem. Sci.	December, 2010
11	Dr. T. Venkatappa Rao Assistant Professor	3.On the temperature dependent ESR spectra of irradiated Nylon homopolymer	Int. J. Chem. Sci.	July, 2010

CHEMISTRY DEPARTMENT:				
1	B.V.Appa Rao, Professor	Electrochemical and surface analytical studies of the self-assembled monolayer of 5-methoxy-2-(octadecylthiol)-benzimidazole in corrosion protection of copper	Electrochimica Acta	55 (2010) 620-631
2	B.V.Appa Rao, Professor	Removal of Cu(II) from aqueous solutions using chemically modified chitosan	Journal of Hazardous Materials	175 (2010) 939–948
3	B.V.Appa Rao, Professor	"Synergistic effect of N,N-bis(phosphonomethyl) glycine and zinc ions in corrosion control of carbon steel in cooling water systems"	Chemical Engineering Communications.	In Press,
4	B.V.Appa Rao, Professor	"Tungstate as a synergist to phosphonate based formulation for corrosion control of carbon steel in nearly neutral aqueous environment"	Journal of Chemical Sciences,	122 (2010) 639-649.
5	B.V.Appa Rao, Professor	"Electrochemical and surface analytical studies of synergistic effect of phosphonate, Zn <sup>2+</sup> and ascorbate in corrosion control of carbon steel"	Materials and Corrosion,	61 (2010) 285-301.
6	A. Ramachandraiah Professor	Synthesis, Electrochemical and Molecular Modeling Studies of Schiff bases of some hydrazinylthiazocoumarins and 2-acetyl pyridine	International.J. Pharm.	4,10-16,2010
7	A.Ramachandraiah Professor	Spectral, Electrochemical and Molecular Modeling Studies of Some 3-(2-Hydroxybenalhydrazino-4-thiazolyl)coumarins	E-Journal of Chemistry	7,583-592,2010
8	A.Ramachandraiah Professor	Spectral, Electrochemical and Molecular Modeling Studies of Sulfasalazine	International.J. Pharm.	5,10-16,2010
9	P.Nageswara Rao Professor	Sensitive Bromatometric Methods for the Determination of Sumatriptan Succinate in Pharmaceutical Formulations	E-Journal of Chemistry	8, 269-275, 2011

10	P.Nageswara Rao Professor	Optimized and Validated Spectrophotometric Methods for Determination of Aripiprazole using Ferric chloride based on Complexation reactions	Journal of Pharmacy and Chemistry	4, 2010
11	P.Nageswara Rao Professor	Investigation and Optimization of the Use of spectrophotometry for the Assay of Rabeprazole Sodium with in situ Bromine and Two Dyes as Reagents	Analytical chemistry an Indian Journal	9, 349-354, 2010
12	P.Nageswara Rao Professor	Development And Validation of A HPLC Method For Separation And Simultaneous Determination of Process-Related Substances of Irbesartan In Bulk Drugs	Analytical chemistry an Indian Journal	9, 320-325, 2010
13	P.Nageswara Rao Professor	Extractive spectrophotometric studies of 2,3,4-trihydroxyphenylethyldine Benzoic Acid Hydrazide with Molybdenum(VI)	International Journal of Engineering science and Technology	2(9), 1-4, 2010.
14	K.Laxma Reddy Professor	"Removal of Cu(II) from aqueous solutions using chemically modified chitosan	J.of Hazardous Materials	175(2010)939-945
15	B.Rajitha Associate Professor	An expeditious pechmann condensation by using Biodegradable Cellulose sulfuric acid as a solid acid catalyst	Synthetic Communications	40: 3358–3364, 2010
16	B.Rajitha Associate Professor	Cellulose sulfuric acid: An efficient biodegradable and recyclable solid acid catalyst for the synthesis of 1-Oxo-hexahydroxanthene	Synthetic Communications	in press 2010
17	V. Rajeswar Rao, Associate Professor	Simple strategy for sulfonyl ethynyls.	Synthetic Communications.	41, 2693-2700, 2011.
18	V. Rajeswar Rao, Associate Professor	One pot synthesis of tri-substituted pyrazoles via multi-component approach.	Chemistry of Heterocyclic compounds.	4, 547-551, 2011
19	V. Rajeswar Rao, Associate Professor	Efficient, stereoselective approach to the synthesis of 3-(1-phenyl-2-(zstyrylsulfonyl)-1H-imidazol-4-yl)-2-chromen-2-ones.	Synthetic Communications.	41, 1167–1174, 2011.
20	V. Rajeswar Rao, Associate Professor	A facile one-pot synthesis of 1,3,4-thiadiazine-5-yl-pyran-2-one derivatives via a multi-component reaction.	J of sulfur chemistry	2011, 1-7.
21	V. Rajeswar Rao, Associate Professor	A facile one-pot expeditious synthesis of thiazolyl-pyrazolones.	Phosphorus, Sulfur, and Silicon and the Related Elements	2011, 186, 489-495

22	V. Rajeswar Rao, Associate Professor	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
23	V. Rajeswar Rao, Associate Professor	Stereoselective Synthesis of Substituted 2-(Z-styrylsulfones)-1H-imidazoles and benzothiazoles	Synthetic Communications.	2010, 40, 808-813
24	V. Rajeswar Rao, Associate Professor	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	83-85, 2010
25	V. Rajeswar Rao, Associate Professor	A highly regioselective synthesis of 8-hydroxy-3-sulfanyl-7-undecyl-5H-[1,2,4]triazolo[3,4-b][1,3,4]benzothiazol-6,9-dione and its derivatives.	Journal of chemical Research	80-82, 2010
26	V. Rajeswar Rao, Associate Professor	Synthesis of 2-alkyl/arylalkyl/phenacylsulfanyl-1-thia-3,3a,10-triaza-pentaleno[1,2-b]naphthalene-4,9-dione.	Indian Journal of chemistry	49B, 2010, 115-118
27	V. Rajeswar Rao, Associate Professor	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.	Journal of chemical Research	50-53, 2010.
28	Patri V Srilakshmi, Assistant Professor	Design, Synthesis and In Vitro Transfection Biology of Novel Tocopherol Based Monocationic Lipids: A Structure-Activity Investigation.	J. Med. Chem.	2011, 54(2), 548-561
29	Patri V Srilakshmi, Assistant Professor	Synthesis of novel porphyrin based lipids and their anti bacterial activity.	Medicinal Chemistry Research	In Press
30	Vishnu Shanker Assistant Professor	Ternary Niobates and Tantalates: Materials for microwave Dielectrics	SMC Bulletin	Vol.1 (No. 1&2) December 2010
31	N. Venkatathri Assistant Professor	Synthesis and characterization of a novel class of molecular sieves namely Organophosphate	Journal of Indian Chemical Society	87, 289, 2010
32	N. Venkatathri Assistant Professor	Synthesis and NMR characterization of ZSM-35	Journal of Indian Chemical Society	87,1, 2010
33	N. Venkatathri Assistant Professor	Mn-MCM-41 molecular sieves: a selective gas phase cyclohexanol oxidation catalyst	Reaction Kinetics Mechanism and Catalysis	99, 439, 2010

34	N. Venkatathri Assistant Professor	Synthesis and characterization of a novel mesoporous Mn-organophosphate molecular sieve	Journal of Indian Chemical Society	88, 325, 2011
<b>BIOTECHNOLOGY DEPARTMENT:</b>				
1	Dr.P.Sreenivas a Rao Assistant Professor	Cloning and expression of the gene involved in enhanced production of artemisinin, an effective anti-malarial drug by bioconversion	Journal of Biotechnology	Volume 150, Page 91 November 2010
2	Dr.P.Sreenivas a Rao Assistant Professor	Recombinant protein purification and Biophysical characterization studies of the gene involved in the conversion of arteannuin B to artemisinin	Journal of Biochemistry	Volume 3(1): Page 90-96 December, 2010
3	Dr.P.Sreenivas a Rao Assistant Professor	Intracellular expression and purification of recombinant enzyme involved in bioconversion of Arteannuin B to Artemisinin in <i>Escherichia coli</i> expression system	Recent Research in Science & Technology	Volume 3, No 1 March, 2011
4	Dr.P.Sreenivas a Rao Asst. Professor	Bioreactors in Tissue Engineering	Biotechnology Journal	June, 2011 (In Press)
<b>SCHOOL OF MANAGEMENT:</b>				
1.	Dr. Ritanjali Majhi, Asst. Professor	An Investigation on Customer Attitude and Perception towards Internet Banking: A Case Study	International Journal of Information systems and Social Change(IJISSC), IGI Global Publishing, ISSN: 1941-868X, USA.	March 2011.

### **ANY OTHER SIGNIFICANT INFORMATION**

#### **CIVIL ENGINEERING DEPARTMENT:**

1. Mr.T.Muralidhar Rao Research Scholar was awarded Ph.D. under the guidance of Dr.T.D.Gunneswara Rao.
2. Prof. G. Rajesh Kumar was the faculty coordinator for Spring Spree 2011
3. Dr.P.Rathish Kumar is continuing as the faculty Co-ordinator, Training & Placement.

#### **MECHANICAL ENGINEERING DEPARTMENT:**

S.No.	NAME OF THE FACULTY	REVIEW OF ARTICLES IN JOURNALS
1.	Prof. A.V.Narasimha Rao	1. International Journal Energy 2. International Journal of Sustainable Energy
2.	Dr. G. Amba Prasad Rao	1. Thermal Science (Serbia) 2. Environmental Engineering Science (U.K) 3. Journal of Power and Alternate Fuels (U.K)
3.	Dr. Gururaja Rao, C.	1. Numerical Heat Transfer -Taylor and Francis Publication 2. Heat and Mass Transfer -Springer Publication

**COMPUTER SCIENCE AND ENGINEERING DEPARTMENT:**

- Department has proposed to set up HPC Lab and TEQIP-II funds are sanctioned to procure necessary software and peripherals. Department will be soon purchasing IBM Cognos – Business Intelligence under TEQIP-II.
- Prof.DVLN Somayajulu is nominated as Technical Committee member at NPIU as part of TEQIP phase II funded by World Bank and attended several meeting for evaluation and software development of the Procurement Management System Software (PMSS) software at NPIU Delhi. Also attended training conducted at Pune by NPIU during March, 2011
- Prof DVLN Somayajulu attended PAB meeting and presented proposal on Indo-Swedish technical tie up at DST, New Delhi in July 2010.
- Under Industry interaction Dr. VCV Rao of C-DAC Pune delivered a series of guest lectures on "High Performance Computing"

**METALLURGICAL AND MATERIALS ENGG. DEPARTMENT:**

- Department has received Rs.147 lakhs under FIST programme of DST.
- A National level student workshop "Sankhaaran 2011" held during 26<sup>th</sup> – 27<sup>th</sup> March 2011

**Projects on-going:**

- 1) Evaluation of Ti-5-3 beta Titanium alloy for strength fasteners for space applications  
Name of the Project Coordinator: Prof. M. K. Mohan  
Amount: 16.79 lakhs (ISRO)
- 2) Synthesis and characterization of ZrB<sub>2</sub> powder and ZrB<sub>2</sub> based composite powder  
Name of the Project Coordinator: Dr.Asit Kumar Khanra  
Amount: 14.90 lakhs (DRDO)
- 3) Improvement of Tribological Properties of Titanium Alloys  
Name of the Project Coordinator: Dr. G. V. S. Nageswara Rao  
Amount: 17.1392 lakhs (AR&DB)

**Projects Completed:**

- 1) Surface Modification of Titanium Alloys used for Biomedical Implants  
Name of the Project Coordinator: Dr. G. V. S. Nageswara Rao  
Amount: 10.0 lakhs (MHRD)
- 2) Studies of corrosion behavior of Ni based super alloys for application as fasteners in marine environment  
Name of the Project Coordinator: Prof. M. K. Mohan  
Amount: 18.8 lakhs (NRB)

**MATHEMATICS DEPARTMENT:**

- **Dr. K. N. S. Kasi Viswanadham**, Associate Professor gave lectures as Resource person at the following Workshops/STTPs:
  1. National Workshop on "Differential Equations, Computing and Modeling" conducted by Department of Mathematics, University of Delhi, during 20-24, December, 2010.
  2. STTP on "Mathematical Modeling and Numerical Techniques" conducted by Department of Mathematics, NIT, Warangal during 17-21, January, 2011.
- **Dr. D. Srinivasacharya** is elected as Office Secretary, AP Society for Mathematical Sciences (APSMS) since November 2010
- **Dr. Pranitha J** is a hostel warden for the new Ladies Hostel
- **Dr. Pranitha J** is the Faculty Advisor for the Mathematics Association, NITW

- **Dr. R. S. Selvaraj** has co-authored a book:  
Title of the Book: Rank Distance Bicodes and their Generalization  
Publisher: Svenska fysikarkivet, Stockholm, Sweden  
Year: 2010  
Pages: 150  
ISBN: 978-91-85917-12-9
- **Dr. R. S. Selvaraj** has Guided an Ethiopian Ph.D. Scholar towards Ph.D. degree whose viva was successfully held on 04.09.2010
- **Dr. P Muthu** was a hostel warden for the Blocks 10 & 14, during July 2008 – Feb. 2011
- **Dr. P Muthu** was a member of Anti Ragging Squad of the institute, during the academic year 2010 – 2011
- **Dr. P Muthu** is a life member of the Indian Society of Theoretical and Applied Mathematics (ISTAM), India

**HUMANITIES DEPARTMENT:**

**Prof. D.S. Kesava Rao**, attended Board of Studies meeting of Humanities Department at K.L.University, Vijayawada

**SCHOOL OF MANAGEMENT:**

1. **CURA '11** : The School of Management has organised the National level Management Festival on 19 – 20 Dec., 2010.
2. **NCCOMP 2010** : The School of Management has organised the National level Conference on " Convergence of Management Practices " during 17 – 18 Dec., 2010.

**BIOTECHNOLOGY DEPARTMENT:**

DAAD WISE PROGRAM 2011 FELLOWSHIP AWARDEE

1. Ms. Anuprabha Bhargava

MITACS GLOBALINK PROGRAM 2011 FELLOWSHIP AWARDEES

1. Ms. Erika Garg
2. Ms. Aakanksha Jain
3. Ms. Aparna M
4. Ms. Orpita Das

## 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

**School of Management**

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. 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

## b) UG B.Tech. 2010-2011

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		
	1	2	3	4	5	6	7	8	9	10	11	12
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
B.Tech.												
I Year	732	161	893	99	21	120	51	8	59	17	5	22
II Year	718	115	833	93	20	113	48	10	58	15	1	16
III Year	657	151	808	78	24	102	48	6	54	17	1	18
IV Year	442	63	505	62	9	71	34	1	35	3		3
Total	2549	490	3039	332	74	406	181	25	206	52	7	59

## c) Details of Students on rolls B.Tech. (Class-wise &amp; Branch – wise) during 2010-2011

Branch	I Year			II Year			III Year			IV Year		
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
<b>I. Civil Engineering</b>												
1. Open	36	10	46	41	6	47	33	9	42	40	4	44
2. B.C	21	4	25	28		28	22	4	26			0
3. S.C	14		14	9	3	12	11	3	14	6	2	8
4. S.T	6		6	7		7	6		6	5		5
<b>Total</b>	77	14	91	85	9	94	72	16	88	51	6	57
<b>II Electrical &amp; Electronics Engineering</b>												
1. Open	51	7	58	44	3	47	38	9	47	40	8	48
2. B.C	26	7	33	20	6	26	21	4	25			0
3. S.C	14	5	19	11	3	14	10	4	14	10		10
4. S.T	7	1	8	4	2	6	7		7	3	1	4
<b>Total</b>	98	20	118	79	14	93	76	17	93	53	9	62
<b>III Mechanical Engineering</b>												
1. Open	40	3	43	42	1	43	42	4	46	41	4	45
2. B.C	31		31	32		32	22	2	24			0
3. S.C	14		14	16		16	13		13	9	1	10
4. S.T	6		6	6		6	7	1	8	4		4
<b>Total</b>	91	3	94	96	1	97	84	7	91	54	5	59
<b>IV. Electronics &amp; Communication Engineering</b>												
1. Open	47	11	58	48	4	52	51	6	57	50	6	56
2. B.C	35	4	39	32	2	34	27	2	29			0
3. S.C	16	3	19	17	2	19	11	3	14	10	1	11
4. S.T	9	1	10	7	1	8	7	1	8	5		5
<b>Total</b>	107	19	126	104	9	113	96	12	108	65	7	72

<b>V. Metallurgical &amp; Materials Engineering</b>												
1. Open	19	8	27	25		25	20	9	29	25	2	27
2. B.C	16	2	18	19	2	21	17	1	18			0
3. S.C	8	2	10	10	2	12	5	2	7	4	1	5
4. S.T	4		4	5		5	7		7	4		4
<b>Total</b>	<b>47</b>	<b>12</b>	<b>59</b>	<b>59</b>	<b>4</b>	<b>63</b>	<b>49</b>	<b>12</b>	<b>61</b>	<b>33</b>	<b>3</b>	<b>36</b>
<b>VI. Chemical Engineering</b>												
1. Open	26	13	39	36	9	45	25	10	35	46	7	53
2. B.C	23	6	29	17	11	28	27	7	34			0
3. S.C	13	2	15	10	4	14	6	7	13	8	1	9
4. S.T	5	3	8	5	5	10	5	1	6	3		3
<b>Total</b>	<b>67</b>	<b>24</b>	<b>91</b>	<b>68</b>	<b>29</b>	<b>97</b>	<b>63</b>	<b>25</b>	<b>88</b>	<b>57</b>	<b>8</b>	<b>65</b>
<b>VII. Computer Science &amp; Engineering</b>												
1. Open	46	13	59	47	4	51	48	5	53	45	8	53
2. B.C	35	6	41	34	5	39	28	3	31			0
3. S.C	14	5	19	12	3	15	14	3	17	9	2	11
4. S.T	10		10	7	2	9	4	3	7	5		5
<b>Total</b>	<b>105</b>	<b>24</b>	<b>129</b>	<b>100</b>	<b>14</b>	<b>114</b>	<b>94</b>	<b>14</b>	<b>108</b>	<b>59</b>	<b>10</b>	<b>69</b>
<b>VIII. Bio-Technology</b>												
1. Open	18	2	20	15	4	19	18	18	36	29	10	39
2. B.C	15	6	21	20	7	27	19	3	22			0
3. S.C	8	5	13	11	3	14	9	2	11	6	1	7
4. S.T	6	3	9	8		8	6		6	5		5
<b>Total</b>	<b>47</b>	<b>16</b>	<b>63</b>	<b>54</b>	<b>14</b>	<b>68</b>	<b>52</b>	<b>23</b>	<b>75</b>	<b>40</b>	<b>11</b>	<b>51</b>

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

Sl No.	Course Name	Sanctioned 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	Boys	Girls	Total
1	Engg. Structures	29	6	35	16	3	19	7	1	8	3	1	4	2	1	3	-	-	-	-	-	-	1	-	1
2	Geo-Tech Engg.	4	2	6	4	2	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	Transportation Engg.	23	5	28	13	4	17	7	1	8	2	-	2	-	-	-	-	-	-	-	-	-	1	-	1
4	Water Resource Engg.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	Remote Sensing & GIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	Environmental Engg.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Construction Techniques & Management	13	1	14	7	1	8	6	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	Power Electronics & Drives	31	1	32	18	-	18	7	-	7	4	1	5	2	-	2	-	-	-	-	-	-	-	-	-
9	Power Systems Engg.	34	2	36	18	1	19	7	1	8	6	-	6	3	-	3	-	-	-	-	-	-	-	-	-
10	Thermal Engg.	16	1	17	9	1	10	3	-	3	3	-	3	1	-	1	-	-	-	-	-	-	-	-	-
11	Manufacturing Engg.	16	2	18	7	2	9	5	-	5	3	-	3	1	-	1	-	-	-	-	-	-	-	-	-
12	CIM	12	3	15	9	2	11	3	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	Product Design & Dev.	16	-	16	8	-	8	6	-	6	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-
14	Materials Technology	8	-	8	8	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	Automobile Engg	14	1	15	8	1	9	5	-	5	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
16	Electronics Instrumentation	16	2	18	6	2	8	4	-	4	3	-	3	2	-	2	-	-	-	-	-	1	-	-	-
17	VLSI System Design	17	1	18	9	1	10	4	-	4	3	-	3	1	-	1	-	-	-	-	-	-	-	-	-
18	Advanced Communication Systems	20	3	23	7	3	10	6	-	6	4	-	4	2	-	2	-	-	-	-	-	-	1	-	1
19	Industrial Metallurgy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	Chemical Engg.	5	2	7	2	-	2	1	1	2	2	1	3	-	-	-	-	-	-	-	-	-	-	-	-

21	C.S.E	20	17	2	19	6	-	6	5	-	5	2	1	2	2	-	-	2	-	2	4
22	Information Security	20	14	5	19	7	2	9	3	2	5	2	1	3	1	-	-	1	-	1	1
23	M.Sc (Applied Maths)	24	5	15	20	1	1	2	4	12	16	-	1	1	-	-	-	1	-	-	-
24	M.Sc (Maths & S. C )	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	M.Sc.(Tech) Engg. Physics	48	9	6	15	3	3	6	6	1	7	--	2	2	-	-	-	-	-	-	-
26	M.Sc (Chemistry) DDPP	24	17	7	24	5	3	8	8	3	11	2	1	3	2	-	-	2	-	-	-
27	M.Sc.(Chemistry) MMCA	24	11	12	23	6	5	11	4	4	8	1	2	3	-	-	1	1	-	-	-
28	M.C.A	46	38	8	46	16	5	21	13	1	14	5	2	7	4	-	-	4	-	-	-
29	M.B.A	62	15	14	29	4	11	15	6	2	8	4	1	5	1	-	-	1	-	-	-
	<b>Total :-</b>	<b>772</b>	<b>391</b>	<b>95</b>	<b>486</b>	<b>194</b>	<b>50</b>	<b>244</b>	<b>114</b>	<b>29</b>	<b>143</b>	<b>52</b>	<b>11</b>	<b>63</b>	<b>24</b>	<b>3</b>	<b>27</b>	<b>1</b>	<b>1</b>	<b>6</b>	<b>2</b>

e) Total Enrollment for the year 2010-2011 (PG Courses)

Semester	OC			OBC			SC			ST			QI/FOREIGN		
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
I-Semester	194	50	244	114	29	143	52	11	63	24	3	27	7	2	9
III-Semester	185	53	238	190	19	209	62	12	74	27	--	27	5	1	6
V- Semester	22	12	34	15	2	17	8	--	8	5	--	5	--	--	--
<b>Grand Total</b>	<b>401</b>	<b>115</b>	<b>516</b>	<b>319</b>	<b>50</b>	<b>369</b>	<b>122</b>	<b>23</b>	<b>145</b>	<b>56</b>	<b>3</b>	<b>59</b>	<b>12</b>	<b>3</b>	<b>15</b>

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

#### a). B.Tech 2010-2011

Sl.No.	Branch	Duration	Sanctioned Intake	Actual Enrolment	
				Indians	Foreigners
1	Civil Engineering	4 Years	92	91	31
2	Electrical & Electronics Engineering	4 Years	92	92	16
3	Mechanical Engineering	4 Years	94	94	14
4	Electronics & Communication Engineering	4 Years	108	108	18
5	Metallurgical and Materials Engineering	4 Years	62	59	0
6	Chemical Engineering	4 Years	92	91	12
7	Computer Science & Engineering	4 Years	108	104	16
8	Bio-Technology	4 Years	92	73	5
<b>Total</b>			<b>740</b>	<b>712</b>	<b>112</b>

\* *Students admitted under DASA scheme*

## 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	Mauritius	1		1	ICCR
35	Nigeria		1	1	DASA
35	Bhutan	8	1	9	MEA
		1		1	DASA
<b>Total</b>		<b>191</b>	<b>59</b>	<b>250</b>	

## B.Tech ( First to Final Year) - 2010-2011

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	54	8	62	DASA
		6		6	MEA
2	Srilanka	9	1	10	DASA
		1	1	2	MEA
		1		1	SPDC
		1		1	ICCR
4	Kenya	1		1	DASA
5	Qatar	1		1	SPDC
		17	2	19	DASA
6	Kuwait	26	3	29	DASA
		3	1	4	SPDC
7	U A E	25	7	32	DASA
		1		1	SPDC
8	Oman	3	8	11	DASA
			1	1	SPDC
9	Behraen	1		1	SPDC
		3	6	9	DASA
10	Indonesia	2	3	5	DASA
11	Saudi Arabia	25	3	28	DASA
		1		1	MEA
		5		5	SPDC
12	Riyad	6		6	DASA
		1	1	2	SPDC
13	Afghanistan	1		1	DASA
		22		22	ICCR
14	Bangladesh	1	1	2	ICCR
15	Gambia	1		1	ICCR
16	Canada	1		1	DASA
17	U.S.A	15	4	19	DASA
18	Sharjah	1	2	3	SPDC
		3	1	4	DASA
19	Cairo		1	1	MEA
20	Bangkok	1		1	MEA
21	Jeddah	1		1	DASA
22	Muscat	7	5	12	DASA

23	Abudabi	3	2	5	DASA
24	Dubai	1		1	SPDC
		6	5	11	DASA
25	Morraco	1		1	DASA
26	Santiago		1	1	MEA
27	Doha	2	1	3	DASA
		1		1	SPDC
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	2		2	DASA
34	Mauritious	1		1	ICCR
35	Hungeri	1		1	MEA
36	Nigeria		1	1	DASA
37	Germany	1		1	MEA
38	Pakistan		1	1	MEA
39	Malaysia	1		1	DASA
40	Colombo	2		2	DASA
41	Iran	1		1	MEA
42	Fiji	1		1	ICCR
43	Botswana	1		1	ICCR
44	Bhutan	8	1	9	MEA
	<b>Total</b>	<b>283</b>	<b>73</b>	<b>356</b>	

**Statement showing the Branch - Wise actual number of candidates admitted into first Year B.Tech. Degree Course during the academic year 2010-2011.**

Sl.No.	Branch	Boys		Girls		Total	
		Indians	Foreign	Indians	Foreign	Indians	Foreign
1	Civil Engineering	77	31	14	0	91	31
2	Electrical & Electronics Engineering	74	12	18	4	92	16
3	Mechanical Engineering	91	14	3		94	14
4	Electronics & Communication Engineering	91	11	17	7	108	18
5	Metallurgical and Materials Engineering	47		12		59	0
6	Chemical Engineering	67	10	24	2	91	12
7	Computer Science & Engineering	83	11	21	5	104	16
8	Bio-Technology	47	4	26	1	73	5
<b>Total</b>		<b>577</b>	<b>93</b>	<b>135</b>	<b>19</b>	<b>712</b>	<b>112</b>

#### 4.4 Student's Total Strength (UG and PG)

Under graduate Students	:	3039
Post graduate Students	:	1104
<b>Total</b>	:	<b>4143</b>

#### 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 accommodate 254 students in 127 rooms and one more new Girls Hostel Block 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. There is one more mess for boys Institute Food Court which is run on outsourcing basis.

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, 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 Project Engineer and the Medical Officer 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.2100.00

Each Hostel block is provided a colour Television with cable Network for entertainment. 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 and bakery has been provided.

## PARTICULARS OF HOSTEL BLOCKS AND STUDENTS CAPACITY

S. No	Blocks No.	No. of Rooms	Type of Residency Capacity	Residency Capacity (Students)	Remarks
<b>For Boys</b>					
1.	I	(100-1)= 99	single seated	99	
2.	II	(100-1) =99	single seated	99	
3.	III	(48-2)= 46	Triple seated	92	*
4.	IV	(48-1) =47	Triple seated	94	*
5.	V	(48-1)= 47	Triple seated	94	*
6.	VI	(48-4)= 44	Triple seated	88	*
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	Single seated	197	
14.	XIV	(200-2)= 198	single seated	198	
15.	1K	1050	single seated	1050	
16.	Ultra Mega	1750	Single seated & Double seated	640 1108	
17.	International Hall	250	Single seated	250	
				4677	
<b>For Girls</b>					
18.	S.H.	(48-1)= 47	Double seated	141	
19.	P.H.	(81-1)= 80	Double seated	240	
20.	New Block	350 capacity	Single seated	350	
				731	
			<b>Grand Total (Boys &amp; Girls)</b>	<b>5408</b>	

\* The Block Nos. 7,8,9,10,11 are not allotted for Students as they are not in good condition.

In Blocks 3,4,5,6 the rooms are allotted on double seater basis only.

- |                                  |  |
|----------------------------------|--|
| 1. Single seated blocks          | : I,II,IX,X,XIII&XIV,1K,UltraMega & International Hall |
| 2. Double seated blocks          | : XI, XII & Ultra Mega                                 |
| 3. Triple seated blocks          | : III,IV,V,VI,VII & VIII                               |
| 4. Ladies Hostel (two seated)    | : Priyadarshini, sarojini                              |
| 5. Ladies Hostel (single seated) | : New Ladies Hostel                                    |

Total Residential blocks	: 20
Total boys accommodation	: 4677
Total Girls accommodation	: 731

## 4.6 Scholarships / Assistance 2010-11

*Scholarships awarded:*

S.No.	Name of the scholarships /stipends	No. of Scholarships Awarded	Remarks
1	Institute Merit Scholarships	215	Rs.100/-p.a.+ exemption from payment of Tuition fee and a Merit Certificate
<b>ANDHRAPRADESH</b>			
2	<b>S.C. SCHOLARSHIPS</b>		
a)	B.Tech.(Regular) P.G.Students :	116 30	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 :	8 6	Rs. 429/- P.M and reimbursement of Tuition Fee for Day Scholars.
3	<b>S.T. Scholarships</b>		
a)	B.Tech.(Regular) P.G.Students :	110 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 :	7 3	Rs. 429/- P.M and reimbursement of Tuition Fee for Day Scholars.
4	<b>B.C. Scholarships</b>		
a)	B.Tech.(Regular) P.G.Students :	241 106	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 :	20 40	Rs. 429/- P.M and reimbursement of Tuition Fee for Day Scholars.
5	<b>E.B.C. SCHOLARSHIPS</b>		
a)	B.Tech.(Regular) P.G.Students :	60 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 :	2 2	Rs. 429/- P.M and reimbursement of Tuition Fee for Day Scholars.

<b>6</b>	<b>P.H. Scholarships</b>		
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.
<b>7</b>	<b>Minority Scholarships</b>		
a)	B.Tech.(Regular) P.G.Students :	15 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 :	2 1	Rs. 429/- P.M and reimbursement of Tuition Fee for Day Scholars.

**Other States:**

Statement showing the details of various Scholarship, stipends, loans etc. awarded during the year 2010-11:

S.NO	Name of the Scholarship / Sitpends	No. of Awarded	AMOUNT RECEIVED	DISBURSED AND ADJUSTED AS T/F AMOUNT
<b>A.</b>	<b><u>SC/ST Scholarships</u></b> <b><u>From other states;</u></b>			
1.	Assam	5	48900	45900
2.	Bihar	12	378820	378820
3.	Chattisgarh	3	91885	91885
4.	DTE Lakshadweep	1	39025	39025
5.	Haryana	1	35900	35900
6.	Himachal Pradesh	1	3600	3600
7.	Kerala	4	138020	138020
8.	Madhya Pradesh	8	189961	189961
9.	Maharastra	12	450200	450200
10.	Meghalaya	1	8700	8700
11.	Rajasthan	1	39900	39900
12.	Tripura	1	10600	10600
13.	Uttar Pradesh	7	200280	200280
<b>Total :</b>			<b>1635791</b>	<b>1632791</b>
<b>B.</b>	<b><i>Other Scholarships</i></b>			
16.	NCERT-New Delhi	6	36000	36000
17.	IOCL	1	36000	36000
18.	Shri SS Jain Conference	1	10000	10000
19.	FAEA	2	40000	40000
20.	Central Sector	10	723250	723250
21.	National Scholarship for persons with disabilities	1	12000	12000
22.	Visakhapatnam Steel Plant	1	18000	18000
23.	ED-CIL (SPDC)	35	8076624	8076624
24.	ED-CIL (MEA)	9	1484565	1484565
25.	Indian Council for Cultural Relation Foreign Students	34	3629840	3629840
<b>Grand Total:</b>			<b>15702070</b>	<b>15702070</b>

## 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 1<sup>st</sup> year B.Tech. Students (1 credit)

Conducting Fitness and conditioning classes to all first year students regularly

### A BRIEF REPORT OF THE ACTIVITIES FOR 2010-2011

#### MUNERA INTRAMURAL COMPETITIONS:

- **MUNERA** Intramural competitions were conducted from 28.02.2011 to 29.03.2011 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.

#### OTHER TOURNAMENTS AND FRIENDLY MATCHES:

- A volleyball Tournament in Memory of Late Sri. Sri Hari hostel employee was organized to the campus community
- Late Pattabhi (ex student) Memorial Volleyball Tournament was organized to the campus community.
- Late ch.sriharira (ex physical director) memorial tennis tournament was organized to the campus community.
- 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 Basketball Teams
- Inter District Under 16 Years Cricket Tournament was organized by HCA & Warangal District Cricket Association in our institute from 19.10.2010 to 24.10.2010
- Our Institute Football (Men) team participated in the Invitational Inter Collegiate Football Tournaments organized by KMC, Warangal and won Runner-Up Position.
- Our Institute Football Team has participated in the District League Football Tournament organized by Warangal District Football association during 18<sup>th</sup> to 20<sup>th</sup> of February 2011 and won the Runner-Up Position.
- **NITW Cricket Premium League:** Cricket T20 Tournament for the NIT students was conducted February and March 2011 Around 32 teams have participated.

#### **INTER N.I.T. COMPETITIONS:**

- Our Institute Athletics (Men & Women), Ball Badminton (Men) & Cricket (Men) Teams took part in the Inter NIT Sports Meet organized by NITK Surathkal from 13<sup>th</sup> to 18<sup>th</sup> December 2010. In that Our Institute Ball Badminton & Cricket teams secured winner positions and in Athletics. Shot Put (M) Javelin Throw (M) Gold, Discus Throw (M) ,Silver, 4 x 400 Mts. Relay (M) Bronze
- Our Institute Football (Men) ,Kabaddi (men) Tennis (Men) & Swimming (Men) Teams took part in the All India Inter NIT Tournament organized by NIT Rourkela from 18<sup>th</sup> to 20<sup>th</sup> December 2010. In that our Institute Tennis team secured winner Position and Football team has secured Bronze Medal and swimmers secured one Silver and one Bronze medals

Our Institute Badminton (M&W), Basketball (M&W), Chess (Men), Cricket (Men) Table Tennis (M&W), Football (Men), Lawn Tennis (Men) & Volleyball (Men) teams have took part in the Inter NIT Tournaments organized VNIT Nagpur from 20<sup>th</sup> to 22<sup>nd</sup> January 2011. In that our institutes teams Secured the following Positions Basketball Women, Table Tennis Men, Tennis Men : Gold, Table Tennis Women Silver, Football Men: Bronze

## **4.8 AWARDS**

### **Mechanical Engineering Department**

Dr. V. Vasu Assistant Professor of the department has been awarded with “Young Engineer” award 2010 by Institution of Engineers.

### **Computer Science and Engineering Department:**

Sri Ch.Sudhakar, Lecturer Sel. Grade was awarded Ph.D. degree on 20<sup>th</sup> January, 2011.

### **Mathematics Department:**

Dr. K. N. S. Kasi Viswanatham was awarded “The Best Citizens of India Award 2010” by International Publishing House, New Delhi, India

### **School Of Management**

Dr. Ritanjali Majhi, Asst. Professor was awarded Summer Fellowship by Indian National Academy of Engineering, India May – July 2011.

#### 4.9. Examination Details

##### Examination Results for the B. Tech (Regular) from 01.07.2010 to 30.06.2011

Sl. No.	Branch	No. of students appeared	Passed in First Div. with Distn.	First Division	Second Division	Total	% of Pass
1.	Civil Engg.	65	27	32	6	65	100
2.	E.E.E	65	27	27	10	64	98.46
3.	Mech. Engg.	70	29	28	8	65	92.86
4.	E.C.E	88	30	48	9	87	98.86
5.	Met. Engg.	33	10	18	4	32	96.97
6.	Chem. Engg.	63	21	37	4	62	98.41
7.	C.S.E	88	28	42	13	83	94.32
8.	Bio-Tech.	57	23	27	7	57	100

##### Top ranks in each of the branches B. Tech (Regular) from 01.07.2010 to 30.06.2011

Sl.No.	Branch	Roll No.	Name of the Student
1.	Civil Engg.	07107	Amit Chandra Sunal
2.	E.E.E	07210	Battula Swathi
3.	Mech. Engg.	07303	Alok Ranjan
4.	E.C.E	07476	Sreenidhi Govindarajan
5.	Met. Engg.	07526	Ms.Shalini Roy Koneru
6.	Chemical Engg.	07645	Rohit Kumar
7.	C.S.E	07763	Saurav Tiwari
8.	Bio-Tech.	07827	Niharika Gudur

## Examination Results for PG Courses 1.07.2010 to 30.06.2011

Sl. No.	Branch	No. of Students appeared	Passed	% of Pass
<b>Civil Engineering</b>				
1.	Engg. Structures	30	30	100
2.	Geo-Technical Engg.	8	8	100
3.	Transportation Engg.	26	26	100
4.	Construction Technology & Management	16	16	100
<b>Electrical Engineering</b>				
1.	Power Electronics & Drives	31	31	100
2.	Power Systems Engg.	32	32	100
<b>Mechanical Engineering</b>				
1.	Thermal Engineering	16	16	100
2.	Manufacturing Engineering	20	20	100
3.	Computer Integrated Manufacturing	17	17	100
4.	Product Design Development	16	16	100
5.	Materials Technology	15	15	100
6.	Automobile Engineering	18	18	100
<b>Electronics and Communication Engineering</b>				
1.	Electronic Instrumentation	17	17	100
2.	VLSI System Design	16	16	100
3.	Advanced Communications System	23	23	100
<b>Chemical Engineering</b>				
1.	Computer Aided Process Equipment Design	16	16	100
<b>M.Sc. Mathematics</b>				
1.	Applied Mathematics	18	18	100

<b>M.Sc. (Tech.) Engineering Physics</b>				
1.	Photonics	12	12	100
2.	Electronics	13	13	100
3.	Instrumentation	5	5	100
<b>M.Sc. Chemistry</b>				
1.	Dyes, Drugs, Pharmaceuticals & Pesticides	22	22	100
2.	Modern Methods of Chemical Analysis	20	19	95
<b>Master of Business Administration</b>				
1.	M.B.A	38	38	100
<b>Computer Science &amp; Engineering</b>				
1.	Computer Science & Engineering	19	19	100
2.	Information Security	17	17	100
3.	M.C.A	45	44	97.78

## RESEARCH AND DEVELOPMENT ACTIVITIES

### 5.1 Ph.D Programmes – Existing and Proposed

Details of the candidates admitted into Ph.D. from 01.07.2010 to 30.06.2011

Sl. No.	Roll No.	Name of the Student	Department
1.	701050	Ms. Y. Navatha	Civil Engineering
2.	701051	Mr. Sharath Chandra Pillalamarri	Civil Engineering
3.	701052	Mr. Chimirala Ch. Srinivas	Civil Engineering
4.	701053	Mr. K. Mahesh Girmallappa	Civil Engineering
5.	701054	Mr. Leela Krishna Karnatapu	Civil Engineering
6.	701055	Mr. Srinivas Kamera	Electrical Engineering
7.	701056	Ms. D. Sudha Rani	Electrical Engineering
8.	701058	Mr. Shrikant D. Londhe	Mech. Engg.
9.	701059	Puli Danaiah	Mech. Engg.
10.	701060	Hymavathi Madivada	Mech. Engg.
11.	701061	Jeevan Vemula	Mech. Engg.
12.	701062	A. Varun	Mech. Engg.
13.	701063	Nilesh Kashinath Gajarlawar	Mech. Engg.
14.	701064	Syed Aza Pasha Quadri	Mech. Engg.
15.	701065	L. Suvama Raju	Mech. Engg.
16.	701066	Mr. V. Sudhakar	E.C.E.
17.	701067	Mr. K. Sai Krishna	E.C.E.
18.	701068	Mr. M. Kavicharan	E.C.E.
19.	701069	Mr. G. Srinivas	Chemical Engg.
20.	701070	Mr. Mekala Mallaiah	Chemical Engg.
21.	701071	Mr. B. Anji Reddy	Chemical Engg.
22.	701072	Mr. Vemula Ramakrishna	C.S.E.
23.	701073	Ms. Srilatha Chebrolu	C.S.E.
24.	701074	Mr. Ramesh Karnati	C.S.E.
25.	701075	Mr. Y. Showri Raju	Mathematics
26.	701076	Mr. Venkatarajam Marka	Mathematics
27.	701077	Ms. Soujanya, BSL	Mathematics
28.	701079	Mr. Pavan Kumar	Mathematics
29.	701080	Mr. Swami Reddy, G	Mathematics
30.	701081	Ms. Padmaja. P	Mathematics
31.	701082	Ms. Divya. T	Mathematics
32.	701084	Mr. P. Vengal Rao	Physics
33.	701085	Mr. Santhosh Kumar	Chemistry
34.	701087	Mr. G. Srinivas Rao	Chemistry
35.	701089	Mr. T. Naga Sai Kumar	School of Management
36.	701102	Ms. T. Reshma	Civil Engineering
37.	701103	Mrs. Lila P.C.	Civil Engineering
38.	701105	Mr. T. Praveen Kumar	Electrical Engineering
39.	701106	Mr. Mohammad Ahasan	Mech. Engg.
40.	701107	Mr.Ch. Shashikanth	Mech. Engg.
41.	701108	Mr. Ashok Jaywantrao Keche	Mech. Engg.

42.	701109	Mr. Gamini Suresh	Mech. Engg.
43.	701110	Mr. Koteswara Rao Unnam	Mech. Engg.
44.	701111	Ms. Neelima Devi Chinta	Mech. Engg.
45.	701112	Mr. Desavale Ramchandra Ganapati	Mech. Engg.
46.	701113	Mr. S. Sarangapani	Mech. Engg.
47.	701114	Ms. Ch. Sulakshna	E.C.E.
48.	701115	Ms. B. Nagalakshmi Devi Pudi	Chemical Engg.
49.	701116	Mr. Ramachandranayak. Yadawad	C.S.E.
50.	701117	Mr. Upendar Mendu	Mathematics
51.	701118	Mr. Saikrishna Reddy Edelli	Mathematics
52.	701119	Mr. K. Laxminarayana	Chemistry
53.	701120	Mr. Surendar. T	Chemistry
54.	701121	Mr. Gosangi Mallikarjun	Chemistry

**Total No. of Ph.D students on Rolls as on 30.06.2011**

Department	Full Time	Part Time	Total
Civil Engineering	8	14	22
Electrical Engineering	18	11	29
Mechanical Engineering	21	34	55
Electronics and Communication Engineering	9	10	19
Metallurgical and Materials Engineering	0	0	0
Chemical Engineering	6	7	13
Computer Science and Engineering	12	10	22
Mathematics	18	5	23
Physics	9	0	9
Chemistry	25	3	28
School of Management	2	1	3
Humanities and Social Sciences	0	1	1
<b>Total</b>	<b>128</b>	<b>96</b>	<b>224</b>

## 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/ Department	Title of the Ph.D. thesis	Year of award	Part-time/ full time
1	2	3	4	5	6	7
1.	S. Paul Douglas 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- Trihydroxyphenyleth 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 3 <sup>rd</sup> 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.	Immission 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 Chandrasekhar 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. Thiruvankataswamy Asst. Prof. of English NIT, Warangal	Humanities	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. Kanakalingeswar 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 Biological 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. Chandrasekhar 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 NajeedUllakhan 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 3 <sup>rd</sup> 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. Gunneswara 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 Torsional 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	Mathematics	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	Mathematics	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. Nageswara 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. Kanakalingeswara Rao Prof. of Chemistry NIT, Warangal	Chemistry	Stereoselective synthesis and applications of $\beta$ - Azidoalcohols	2003	Part-time
33.	Sri Sunny Abraham Edamala House Moolamattam Idukki Dist Kerala	Prof. M. Kanakalingeswara 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.NO 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 approximate 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. Namada # 2-5-815, Travellor's bungalow, Subedari, HNK.	Prof.B.V.Appa Rao, Professor of Chemistry, NIT,Warangal.	Chemistry	Corrosion Inhibi- tion of Mild steel and copper in Aqueous Environ- ment 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.	Mathema- tics	Optimization of Stochastic Fractional Programming Problems	2005	Full- time
55.	Sri PVSSR Krishna S/o. Sri PV Chala- pathi Sama # 1-3/27-9/11 Sri Ganesh Nilayam Rama Raja Nagar Vijayawada – 520 012.	Dr.D.Srinivasa- charya, Lecturer in Mathematics, NIT, Warangal.	Mathema- tics	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	Heterofunctionali- zation 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.Sriniva- sulu, # 2-6-1510/4/E, Srinivasa Residency Srinivasa Nagar Hanamkonda	Prof. TKV Iyengar Professor of Mathematics, NIT, Warangal	Mathema- tics	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 Inhibi- tion of Mild Steel using N-(2-hydro- xyethyl) 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 cycl 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.Kameswara Rao, Civil Engg. Dept. NIT, Warangal.	Civil Engg.	Shape and Texture of course Aggregate as a parameter for concrete Mix proportioning.	2006	Full-time
64.	Sri E.Venkataraman Lecturer, CED, NIT, Warangal.	Prof. K.V. Jayakumar Civil Engg. Dept.	Civil Engg.	Urban Runoff simulation and optimisation 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 performance 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 Biodegradation of Phenolic 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 Nanocrystalline 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 irradiations 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.Chandramouli 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 Expansion 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 modulation 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 3 <sup>rd</sup> and 8 <sup>th</sup> position of 2H-1- benzopyran-2-ones	2008	Part time
98	K. Maruthi Prasad  Roll No. 700520	Prof. G. Radhakrishnama- charya	Mathematics and Humanities	Peristaltic Transport and Stenotic Region Flows: Effects of Non-Newtonian Fluids	2008	Full Time
99	Mrs. M. Sailaja Kumari	Prof. M. Sydulu	Electrical Engg	Multi-Objective Optimal Power Flow Solution using Evolutionary 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. Anjekar  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 Unidirectional 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 couple 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
121	G. Nagaraju Roll No. 700703	Mathematics	Dr. J.V. Ramana Murthy	Micropolar and couple stress fluid flows due to rotatory motion of circular cylinders	2010	Full Time
122	Raju Nallagonda Roll No. 700407	Chemistry	Prof. A. Rama Chandraiah	Electrochemical and spectral investigations of some pharmaceutically important Heterocyclics with Azomethine moiety	2010	Full Time
123	Jejaw Demamu Mebrat Roll No. 700755	Mathematics	Dr. R.S. Selvaraj	Equidistant rank metric codes: construction properties & applications	2010	Full Time
124	Panthangi Murali Krishna Roll No. 700749	Mathematics	Dr. K.N.S. Kasi Viswanadh am	Numerical solution of two point boundary value problems with B-splines	2010	Full Time
125	Damera Vakula Roll No. 700510	Electronics & Communication Engineering	NVSN Sarma	Some Investigations on Fault Diagnosis of Antenna Arrays	2010	Part Time
126	Chandram Karri Roll No. 700507	Electrical Engineering	Dr. N. Subramany am & Prof. M. Sydulu	New approaches for Economic Dispatch and Unit Commitment problems in Power Systems	2010	Full Time
127	G.C. Sankad Roll No. 700756	Mathematics	Prof. G. Radhakrish namacharya	Peristaltic Transport of Non-Newtonian Fluids: Effects of Wall Properties	2010	Full Time (QIP)

128	Satyanarayana Murthy. A Roll No. 700704	Mathematics	Dr. D. Dutta	Some Applications of Fuzzy Set Theory in Transportation Problems	2010	Full Time
129	T. Krishnaiah Roll No. 700202	Mechanical Engineering	Prof. K. Madhu Murthy	Modelling of Solar Resource Assessment and Study on some aspects of Solar Paraboloidal Dish Power Generating System	2011	Part Time
130	J. Pranitha Roll No. 700719	Mathematics	Dr. D. Srinivasa Charya	Convective Transport in Non-Darcy Porous Media Saturated with Newtonian and Power Law Fluids	2011	Part Time
131	Chapram Sudhakar Roll No. 700204	Computer Science & Engg.	Prof. T. Ramesh	Design and Development of an Improved Distributed Shared Memory System	2011	Part Time
132	T. Muralidhar Roll No.700620	Civil Engineering	Dr. T.D. Gunneswar a Rao	Minimum Flexural Reinforcement of RC members – A Fracture Energy Approach	2011	Full Time
133	V. Srinivas Roll No. 700731	Chemistry	Dr. V. Rajeshwar a Rao	Synthesis of New Heterocyclic Quinones as Potential Antineoplastic Agents	2011	Full Time
134	B. Nagamalles- wara Rao Roll No. 700023	Civil Engineering	Prof. N.V. Uma Mahesh	Development of GIS Based Decision Support System for Watershed Management	2011	Part Time

## b) DETAILS OF THE Ph. D AWARDED FROM 1.7.2010 TO 30.6.2011

Sl. No.	Name of the Scholar	Department	Supervisor	Title of the Research
1	G. Nagaraju Roll No. 700703	Mathematics	Dr. J.V. Ramana Murthy	Micropolar and couple stress fluid flows due to rotatory motion of circular cylinders
2	Raju Nallagonda Roll No. 700407	Chemistry	Prof. A. Rama Chandraiah	Electrochemical and spectral investigations of some pharmaceutically important Heterocyclics with Azomethine moiety
3	Jejaw Demamu Mebrat Roll No. 700755	Mathematics	Dr. R.S. Selvaraj	Equidistant rank metric codes: construction properties & applications
4	Panthangi Murali Krishna Roll No. 700749	Mathematics	Dr. K.N.S. Kasi Viswanadham	Numerical solution of two point boundary value problems with B-splines
5	Damera Vakula Roll No. 700510	Electronics & Communication Engineering	NVSN Sarma	Some Investigations on Fault Diagnosis of Antenna Arrays
6	Chandram Karri Roll No. 700507	Electrical Engineering	Dr. N. Subramanyam & Prof. M. Sydulu	New approaches for Economic Dispatch and Unit Commitment problems in Power Systems
7	G.C. Sankad Roll No. 700756	Mathematics	Prof. G. Radhakrishna-macharya	Peristaltic Transport of Non-Newtonian Fluids: Effects of Wall Properties
8	Satyanarayana Murthy. A Roll No. 700704	Mathematics	Dr. D. Dutta	Some Applications of Fuzzy Set Theory in Transportation Problems
9	T. Krishnaiah Roll No. 700202	Mechanical Engineering	Prof. K. Madhu Murthy	Modelling of Solar Resource Assessment and Study on some aspects of Solar Paraboloidal Dish Power Generating System
10	J. Pranitha Roll No. 700719	Mathematics	Dr. D. Srinivasa Charya	Convective Transport in Non-Darcy Porous Media Saturated with Newtonian and Power Law Fluids
11	Chapram Sudhakar Roll No. 700204	Computer Science & Engg.	Prof. T. Ramesh	Design and Development of an Improved Distributed Shared Memory System
12	T. Muralidhar Roll No. 700620	Civil Engineering	Dr. T.D. Gunneswara Rao	Minimum Flexural Reinforcement of RC members – A Fracture Energy Approach
13	V. Srinivas Roll No. 700731	Chemistry	Dr. V. Rajeswhwara Rao	Synthesis of New Heterocyclic Quinones as Potential Antineoplastic Agents
14	B. Nagamalleswara Rao Roll No. 700023	Civil Engineering	Prof. N.V. Uma Mahesh	Development of GIS Based Decision Support System for Watershed Management

**c) Number of Ph.Ds awarded from 1.07.2010 to 30.06.2011**

Civil Engineering	:	02
Mechanical Engineering	:	01
Electrical Engg.	:	01
E.C.E.	:	01
C.S.E.	:	01
Chemistry	:	02
Mathematics	:	06
		-----
<b>Total:</b>		<b>14</b>
		-----

### 5.3 THE RESEARCH PROJECTS THAT HAVE BEEN COMPLETED IN THE PAST FIVE YEARS (GROUPED BASED ON AREA OF RESEARCH)

#### Area of Research: Engineering and Science of Materials and Surfaces

Title of the Research Project	Funding Agency	Budget Rs. in lakhs	Principal Investigator
Studies on corrosion behaviour of nickel based super alloy for application as a fastener in marine environment	Naval Research Board, DRDO	18.80	Prof. M.K.Mohan Metallurgical & Materials Engg.Dept.(MMED)
Improvement of tribological properties of Titanium alloys	DRDO Aeronautics R&D	17.14	Dr.G.V.S.Nageswara Rao MMED Dept.
Synthesis and characterisation of Zr B <sub>2</sub> powder and Zr Br <sub>2</sub> based Composite Powder	DRDO	14.90	Dr. Asit Kumar Khanra MMED Dept.
Inhibitor formulation to combat corrosion and microfouling of ship sea water cooling systems	Naval Research Board , DRDO	9.88	Prof. B.V.Appa Rao Chemistry Dept
Synthesis, characterization and doping effect – studies of complex metal oxide nanoparticles	DST	19.45	Dr.Vishnu Shankar Chemistry Dept.

Formability of Induction heated tailor welded blanks (TWB) of precipitation hardenable aluminium alloys	DST	5.75	Dr. M.Joseph Davidson Mechanical Engg.
End forming of thin-walled tubes by induction forming processor	DST	13.80	Dr. M.Joseph Davidson Mechanical Engg.
Investigation of the Effect of approach angle on performance coated carbides in face milling – Modelling and Optimization	DST	16.32	Dr.A.Venugopal, Mechanical Engg.
Rapid Prototyping for dental surgical planning and implant placement	DST	15.00	Dr. Y.Ravi Kumar, Mechanical Engg.
CFD Analysis of Flow assisted corrosion (FAC) Problems in Pipes and pipe bends	Bureau of Research in Nuclear Science	28.78	Dr. H.P.Rani, Maths Dept.
Evaluation of Beta Titanium alloys for Fasteners in Space Applications	ISRO, Dept. of Space	16.50	Prof. M.K. Mohan MME Dept.

#### Area of Research: Transportation Engineering

Title of the Research Project	Funding Agency	Budget Rs. in lakhs	Principal Investigator
Establishment of Centre for Urban Transport Studies	Ministry of Urban Development, Govt. of India,	530	Prof.CSRK Prasad, Civil Engg. Dept.
Sealing of Gravel Roads	Ministry of Rural Development	9.50	Prof. C.S.R.K. Prasad Civil Engg. Dept.
Rural Road Pavement Performance Study	Ministry of Rural Development	10.00	Prof. CSRK Prasad Civil Engg. Dept.
Application of Coir Geo-textiles in Rural Roads – Performance Evaluation	Coir Board Ministry of MSME	110.00	Prof. CSRK Prasad Civil Engg. Dept.

**Area of Research : Anticancer & Anti Neoplastic Agents and drug delivery systems**

Title of the Research Project	Funding Agency	Budget Rs. in lakhs	Principal Investigator
New Hetrocyclic quinones as potential antineoplastic agents	UGC	7.60	Dr. B.Rajitha, Chemistry Dept.
Design and Synthesis of heteroaryl porphyrins as possible anticancer agents	UGC	2.50	Dr. V.Rajeswara Rao Chemistry Dept.
Rational Design of Dimerizable and Targetable cationic Peptide Amphiphiles for non-viral gene delivery	CSIR	10.39	Dr.P.V.Srilakshmi Chemistry Dept.
Development of benzoxazole and benzthiazole and benzimidazoles novel cationic amphiphiles for non-viral gene delivery targeting to tumors	DST	19.32	Dr.P.V.Srilakshmi Chemistry Dept.
"Synthesis and antiangiogenesis activity of new sulphur heterocyclic compounds derived from coumarins	CSIR	9.58	Dr. V.Rajeswara Rao Chemistry Dept.

**Area of Research: Fibre Optic Sensors**

Title of the Research Project	Funding Agency	Budget Rs. in lakhs	Principal Investigator
High Temperature measurements using Fiber Bragg Grating Sensor	DST	31.20	Prof.K.Srimannarayana, Physics Dept.
Advanced Fibre Optic Sensor System for Multiparameter sensing	MHRD, New Delhi	12.00	Prof.K.Srimannarayana, Physics Dept.
Fibre Bragg Grating Sensor for Engineering Measure-ments	DIT, Ministry of Information Technology	12.57	Prof.K.Srimannarayana, Physics Dept.
Microcontroller based photoplethysmographic sensor for Cardiac function studies	MHRD,	14.00	Prof. L.R.G.Reddy, Physics Dept.

**Area of Research : Environmental Science and Engineering**

Title of the Research Project	Funding Agency	Budget Rs. in lakhs	Principal Investigator
Lake Dynamics and their interaction with Aquifers at Warangal city by using Isotope Studies	DST	23.56	Dr.E.Venkatarathnam, Civil Engg. Dept.
Development of Rural Information System using High Resolution Satellite Data GIS and GPS	DST	16.92	Dr.K.Venkat Reddy, Civil Engg. Dept.
Fluidized Bed Combustion of Agro-Wastes	MHRD	18.00	Prof. G.V.Reddy, Chemical Engg. Dept.

**Other areas of research:**

## A) FUNDED BY MHRD

## Scheme : TAT

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

## Scheme: R &amp; D

High Quality Low cost Ferro cement Housing - <b>Dr. V. Ramana Murthy</b> , Civil Engg.	F.26-4/2002.TS.V Dt. 31-03-2003	5.00	Completed
Rainwater Management for ground Water Recharge in Hard Rock Terrain – A Remote Sensing and GIS based Approach - <b>Dr.Deva Pratap</b> , Civil Engg.	F.26-14/2003.TS.V Dt. 14-01-2004	15.00	Completed
Reliability Enhancement of AC Adjustable Speed Drivers – <b>Dr.D.V.S.S. Siva Sarma</b> , Electrical Engg	F.26-14/2003.TS.V Dt. 14-01-2004	5.00	Completed
Implementation of Distributed Shared memory system based in Page based memory management unit – <b>Prof.T.Ramesh &amp; Sri Ch.Sudhakar</b>	B4/F.V-1(1)/2005-06/ 1379	10.00	Completed
Information Security Education & Awareness Project (ISEAP) – <b>Prof.B.B.Amberkar &amp; Smt.G.Geetha Kumari</b>	No. 6(2)/2004/ISEA/ Vol. 2 dt. 8.12.2005	3.22	Completed
Development of Methods of removal of Arsenic from Industrial Effluents by Bio-sorption and species alteration – <b>Prof.K.Laxma Reddy</b> , Chemistry	F.26-14/2003.TS.V Dt. 14-01-2004	15.00	Completed
Pusatile Flows with Boday Forces – <b>Dr.D.Srinivasacharya</b> , M & H	F.26-14/2003.TS.V Dt. 14-01-2004	3.00	Completed
Micro controller Based Phtoplethysmography Sensors for Cardiac Function Studies- <b>Dr.L.R.G.Reddy</b> , Physics	F.26-14/2003.TS.V Dt. 14-01-2004	14.00	Completed
Fluidized Bed Combustion of Agro-wastes – <b>Prof. G. Venkat Reddy</b> , Chemical Engg.	F.26-11/2004.TS.V Dt. 31-03-2005	18.00	Completed

Studies on Modelling and Noise Reduction in VLSI Interconnect Structures in the Deep Submicron Regime – <b>Prof. N.S. Murthy</b> , ECE	F.26-11/2004.TS.V Dt. 31-03-2005	8.50	Completed
Distributed Shared Memory Implementation Using Page Based Memory Management Unit – <b>Prof. T. Ramesh</b> , CSE	F.26-11/2004.TS.V Dt. 31-03-2005	10.00	Completed
Development of Efficient Models for Frequency Related Availability Tariffs in Deregulated Environment – <b>Dr. N. Subrahmanyam</b> , Electrical Engg.	F.26-11/2004.TS.V Dt. 31-03-2005	7.00	Completed
Development of Low Voltage High Current Power Supply – <b>N. Vishwanathan</b> , Electrical Engg.	F.26-11/2004.TS.V Dt. 31-03-2005	12.00	Completed
Advanced Fiber Optical Sensor Systems for Multiparameter Sensing - <b>Prof. K. Srimannarayana</b> , Physics	F.26-11/2004.TS.V Dt. 31-03-2005	12.00	Completed
Development of Responsive Intelligent Manufacturing System – <b>Dr.C.S.P. Rao</b> , MED	F.26-11/2004.TS.V Dt. 31-03-2005	20.00	Completed
Surface Modification of Ti Alloys used for biomedical Implants – <b>Dr. G.V.S. Nageswara Rao</b> , Met. & Mat. Engg.	F.26-11/2004.TS.V Dt. 31-03-2005	10.00	Completed
Design and development of learning system for intrusion Tolerant Database System Prof. T. Ramesh / <b>Prof. DVLN. Somayajulu</b>	--	21.6 lakhs	Completed
Development of Biodegradable Bone Materials <b>Dr. Asit Kumar Khanra</b>	No. Deans Office/2008/181, 10- 11-2008	1.0	Completed
Distributed shared Memory Implementation using page based memory unit sanctioned to <b>Prof.T.Ramesh</b>		10 lakhs	Completed
Information Security Education Awareness Project sanctioned to <b>Prof.B.B.Amberker</b>	No.6(2)/2004-ISEA (Vol.II) Date: 8.12.2005		Completed
Developing suitable pedagogical methods for various classes, intellectual calibers and research in e-learning for the course Engineering Hydrology- <b>Prof. N.V. Umamahesh and Mr. V.N. Kameswara Rao</b>	October 2009	Rs. 2.75 lakhs	Completed
Developing suitable pedagogical methods for various classes, intellectual calibers and research in e-learning for the course Environmental Engineering – <b>Dr. T. Shashidhar and Dr. P. Hariprasad Reddy</b>	October 2009	Rs.2.75	Completed

## b) Scheme: DRDL

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

## 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
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.Srimannarayana, Physics	12.57	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
(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 – <i>Automata Theory and Formal Languages</i>	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 – <i>Data Warehousing</i>	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 – <i>Data Mining</i>	R B V Subramanyam	10 lakhs	* Pilot work is completed. * Review is in progress

Ministry's Sanction order No and Date	Title of the Project	Name of the Project Coordinator	Amount in Rs.	Remarks
23.12.2009	Developing suitable pedagogical methods for various classes, intellectual calibers and research in e-learning – <i>Cryptography and Applications</i>	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 – <i>Problem Solving and programming</i>	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

#### 5. 4 LIST OF ONGOING RESEARCH PROJECTS

##### DEPARTMENT: CIVIL ENGINEERING

S.No.	Title of the Project	Principal Investigator & Other Co-investigators	Funding Agency	Budget sanctioned (Rupees)	Duration
1.	Centre for Urban Transport Studies (CUTS)	Prof. C.S.R.K.Prasad	Ministry of Urban Development	530 lakhs	4 years
2.	Lake Dynamics and their interaction with Aquifers at Warangal city by using Isotope Studies	Dr.E.Venkatarathnam, Associate Professor	DST-SERC	23.56 lakhs	3 years
3.	Development of Rural Information System using High Resolution Satellite Data GIS and GPS	Dr. K.Venkat Reddy, Asst. Professor,	DST	16.92 lakhs	3 years
4.	Sealing of Gravel roads	Prof. C.S.R.K. Prasad Dr. Venkaiah Chowdary	Ministry of Rural Development	9.50 lakhs	3 ½ years
5.	Rural Road Pavement Performance Study	Prof. CSRK Prasad Sri DSV Amar Kumar	Ministry of Rural Development	10.00 lakhs	5 years

**DEPARTMENT: MECHANICAL ENGINEERING**

S. No.	Title of the Project	Principal Investigator & Other Co-investigators	Funding Agency	Budget sanctioned (Rupees)	Duration
1.	Rapid Prototyping for Dental Surgical Planning and Implant placement.	Dr. Y. Ravi Kumar Asst. Professor	DST	15.00 lakhs	2 years
2.	Formability of Induction heated tailor welded blanks (TWB) of precipitation hardenable aluminium alloys	Dr. M. Joseph Davidson Assistant Professor,	DST	5.75 lakhs	3 years
3.	Investigation of the Effect of approach angle on performance coated carbides in face milling – Modelling and Optimization	Dr. A. Venugopal, Associate Professor,	DST	16.32 lakhs	3 years
4.	End forming of thin-walled tubes by induction forming processor	Dr. M. Joseph Davidson, Asst. Professor	DST	13.80 lakhs	3 years

**DEPARTMENT: ELECTRONICS & COMMUNICATION ENGINEERING:**

S. No.	Title of the Project	Principal Investigator & Other Co-investigators	Funding Agency	Budget sanctioned (Rupees)	Duration
1.	Development of Adaptive Digital Beam Forming algorithms and Analysis for active Phased Array Radars	Prof. N.S. Murthy Dr. L. Anjaneyulu	LRDE (DRDO) Bangalore	9.9 lakhs	1 year

**DEPARTMENT: COMPUTER SCIENCE & ENGG.**

S. No.	Title of the Project	Principal Investigator & Other Co-investigators	Funding Agency	Budget sanctioned (Rupees)	Duration
1.	Curriculum development for a course on data ware housing	Prof. DVLN Somayajulu Dr. RBV Subrahmanyam	MHRD	10.00 lakhs	2 years
2.	Curriculum development for a course on automation theory and formal languages	Prof. T. Ramesh Dr. Ch. Sudhakar	MHRD	10.00 lakhs	2 years
3.	Development of curriculum for a course on problem solving and programming	Dr. S.G. Sanjeevi Dr. D. Srinivasacharya	MHRD	10.00 lakhs	2 years
4.	Development of curriculum for a course on cryptography and applications	Prof. B.B. Amberker	MHRD	10.00 lakhs	2 years
5.	Development of Information Management System for Operationalisation of Maternal and Neonatal & Child Health in CHNC area	Prof. B.B. Amberker Dr. D. Srinivasacharya Dr. S. Ravi Chandra	UNICEF, Hyd.	10.00 lakhs	1 year

**DEPARTMENT: METALLURGICAL & MATERIALS ENGG.:**

S. No.	Title of the Project	Principal Investigator & Other Co-investigators	Funding Agency	Budget sanctioned (Rupees)	Duration
1.	Improvement of tribological properties of Titanium alloys	Dr. G.V.S.Nageswara Rao, Associate Professor	DRDO Aero-nautics R&D	17.14 lakhs	3 years
2.	Studies on corrosion behaviour of nickel based super alloy for application as a fasteners in marine environment	Prof. M.K.Mohan	Naval Research Board	18.80 lakhs	3 years
3.	Synthesis and characterisation of Zr B <sub>2</sub> powder and Zr Br <sub>2</sub> based composite powder	Dr. Asit Kumar Khanra Asst..Professor	DRDO	14.90 lakhs	2 years

**DEPARTMENT: MATHEMATICS**

S. No.	Title of the Project	Principal Investigator & Other Co-investigators	Funding Agency	Budget sanctioned (Rupees)	Duration
1.	Free and Forced Convection Effects on perfectly conducting Micropolar Fluids	Dr.D.Srinivasacharya Associate Professor, Dept.of Mathematics	CSIR	9.41 lakhs	3 years
2.	CFD Analysis of Low assisted corrosion (FAC) Problems in Pipes and pipe bends	Dr. H.P. Rani Department of Maths	BRNS	28.78 lakhs	3 years

**DEPARTMENT: CHEMISTRY**

S. No.	Title of the Project	Principal Investigator & Other Co-investigators	Funding Agency	Budget sanctioned (Rupees)	Duration
1	Inhibitor formulation to combat corrosion and microfouling of ship sea water cooling systems	Prof. B.V.Appa Rao Dean (R&C)	Naval Research Board	9.88 lakhs	3 years
2.	Rational Design of Dimerizable and Targetable cationic Peptide Amphiphiles for non-viral gene delivery	Dr.P.V.Srilakshmi, Assistant Professor,	CSIR	10.39 lakhs	3 years
3.	Development of benzoxazole and benzimidazole novel cationic amphiphiles for non-viral gene delivery targeting to tumors	Dr.P.V.Srilakshmi, Assistant Professor,	DST	19.32 lakhs	3 years
4.	Synthesis, characterization and doping effect – studies of complex metal oxide nanoparticles	Dr. Vishnu Shankar, Assistant Professor	DST	19.45 lakhs	3 years
5	"Synthesis and antiangiogenesis activity of new sulphur heterocyclic compounds derived from coumarins	Dr. V. Rajeswara Rao, Associate Professor	CSIR	9.58 lakhs	3 years

**DEPARTMENT: PHYSICS:**

S. No.	Title of the Project	Principal Investigator & Other Co-investigators	Funding Agency	Budget sanctioned (Rupees)	Duration
1.	High Temperature measurements using Fiber Bragg Grating Sensor	Prof.K.Srimannarayana Dr. R.L.N.Sai Prasad Associate Professor	DIT	31.20	2 years

## 5.5 Sponsored Research and Industrial Consultancy (SRIC)

During the period 01.07.2010 to 30.06.2011 an amount of Rs.43,02,052.00 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 soils, 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:

- R & B Division Warangal, Karimanagar, Khammam.
- Irrigation & CADD - Warangal, Asifabad, Adilabad and Khammam.
- Tribal Welfare Dept, Warangal. Khammam
- S.C. Co., Ltd, Ramagundam, Bellampally, Bhupalapally, Kothagudam and Mancherial.
- Govt. Polytechnic Warangal
- M/s Patel Engineering Ltd, Hyderabad.
- K.T. Power Project, Warangal and some other organizations

The total earnings by this Laboratory during the above period is Rs: 15,38,052=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:

- S.C. Co., Ltd, Ramagundam, Bellampally, Bhupalapally, Kothagudam and Mancherial.
- Govt. Polytechnic Warangal

- M/s Patel Engineering Ltd, Hyderabad.
- K.T. Power Project, Warangal and some other organizations
- M/s P.S. Engineering Consultants, Secunderabad
- M/s SEW Infrastructure Ltd., Hyderabad and some other organizations

The total earnings by this Laboratory during the above period is Rs: 10,13,900=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:

- NRRDA, New Delhi
- Panchayat Raj Division, Asifabad
- R & B Division Warangal, Karimanagar, Medak
- Ramky Infrastructure Ltd, Hyderabad
- S.C. Co., Ltd, Ramagundam, Kothagudam, Bhupalapally.
- K.T.P.S. Paloncha and some other organizations

The total earnings by the Laboratory during the above period is Rs: 6,01,100=00

**2. Electrical Engineering Department :**

The following major consultancy works were undertaken

Consultancy Works for Reviewing and Vetting the Design drawings of Electro – Mechanical Components of various lift Irrigation Projects of Govt of Andhra Pradesh.

- Govt. of A.P. I & CADD, NSLI Circle, Nizamabad
- Micro – LIS, Div. Mydukru.
- I & CADD, JCR, GLIS, PH-II, Project Circle, Warangal.
- AVR, HNSS, Circle – III, Madanpally and some other organizations.

The total earning by this Laboratory during the above period is Rs: 11,49,000=00

## 6.0 BOG AND OTHER COMMITTEES

### 6.1 Board of Governors

#### CHAIRMAN

**Padmasree Prof. B.L. Deekshatulu,**  
Ph.D (I.I.Sc, Bangalore)  
Formerly: Professor, IISC., Bangalore,  
Distinguished Scientist & Director, NRSA, Hyderabad  
Director, CSSTEAP (UN).  
Presently: Distinguished Fellow, IDRBT(RBI-Govt. India)

#### MEMBERS

Prof. S.S. Gokhale, (upto 18.8.2010)  
Director (Additional Charge),  
Prof. S.K.Sarang (from 19.08.10 to 02.11.10)  
Director (Additional Charge)  
Prof. V. Rama Rao (from 03.11.10 to 28.02.11)  
Director (Temp. Charge)  
Prof. K.Srimannarayana (from 01.03.11 to 26.05.11)  
Director (Temp. Charge)  
**Prof. T. Srinivasa Rao (from 27.05.11)**  
**Director**  
National Institute of Technology, Warangal

**Sri S. K. Ray, I.A.S.**  
Additional Secretary and Financial Advisor,  
Dept. of Higher Education,  
MHRD, Govt. of India, Shastri Bhavan New  
Delhi – 110 115

**Sri Ashok Thakur, I.A.S.**  
Special Secretary (T), Technical Section,  
Department of Higher Education,  
MHRD, Govt. of India, Shastri Bhavan,  
New Delhi – 110 115

**Prof. K. Narender Reddy,**  
Controller of Examinations,  
Mahatma Gandhi University,  
No. 6-3-28/1, Near Saibaba Temple,  
Ramagiri, Nalgonda – 508 011.

**Dr. K. Mruthyunjaya Reddy,**  
Director General, A.P. State Remote Sensing  
Applications Centre & Director (Tech.),  
A.P. State Disaster Mitigation Society (APSDMA),  
8<sup>th</sup> Floor, Swarna Jayanthi Complex, Ameerpet,  
Hyderabad – 500 038

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

**Mrs. Preetha Reddy,**  
Managing Director,  
Appollo Hospitals Enterprises Ltd., Ali Towers,  
Chennai.

**Dr. R.V. Chalam,** (upto 31.12.10)  
Professor, Dept. of Mechanical Engineering,  
**Dr. G. Ramachandra Reddy,** (From 1.1.11)  
Professor, Department of Physics,  
NIT, Warangal

**Sri S.G. Sanjeevi,** (upto 31.12.10)  
Asst. Professor, Dept. of  
Computer Science and Engineering  
**Dr. N. Srinivasacharyulu** (from 1.1.11)  
Associate Professor, Dept. of Mathematics  
NIT, Warangal

#### SECRETARY

**Prof. G. Venkat Reddy** (upto 13.12.2010)  
**Prof. K. Madhu Murthy** (from 14.12.2010)  
- Registrar  
National Institute of Technology, Warangal

## 6.2 Finance Committee

### CHAIRMAN

**Padmasree Prof. B.L. Deekshatulu,**

Ph.D (I.I.Sc, Bangalore)

Formerly: Professor, IISC., Bangalore,

Distinguished Scientist & Director, NRSA, Hyderabad

Director, CSSTEAP (UN).

Presently: Distinguished Fellow, IDRBT(RBI-Govt. India)

Prof. S.S. Gokhale, (upto 18.8.2010)

Director (Additional Charge),

Prof. S.K.Sarangi (from 19.08.10 to 02.11.10)

Director (Additional Charge)

Prof. V. Rama Rao (from 03.11.10 to 28.02.11)

Director (Temp. Charge)

Prof. K.Srimannarayana (from 01.03.11 to

26.05.11) Director (Temp. Charge)

**Prof. T. Srinivasa Rao (from 27.05.11)**

**Director**

National Institute of Technology,

Warangal

**Sri S. K. Ray, I.A.S.**

Additional Secretary and Financial

Advisor, Dept. of Higher Education,

MHRD, Govt. of India, Shastri

Bhavan New Delhi – 110 115

**Sri Ashok Thakur, I.A.S.**

Special Secretary (T), Technical Section,

Department of Higher Education,

MHRD, Govt. of India, Shastri Bhavan,

New Delhi – 110 115

**Prof. K. Narender Reddy,**

Controller of Examinations,

Mahatma Gandhi University,

No. 6-3-28/1, Near Saibaba Temple,

Ramagiri, Nalgonda – 508 011.

**Dr. R.V. Chalam,** (upto 31.12.2010)

Professor, Dept. of Mechanical Engineering,

**Dr. G.R.C. Reddy, (from 01.11.2011)**

Professor, Dept. of Physics

NIT, Warangal

### MEMBER SECRETARY

**Prof. G. Venkat Reddy** (upto 13.12.2010)

**Prof. K. Madhu Murthy** (from 14.12.2010)

Registrar,

National Institute of Technology, Warangal

### 6.3 Building and Works Committee

#### CHAIRMAN

Prof. S.S. Gokhale, (upto 18.8.2010) Director (Additional Charge),  
Prof. S.K.Sarang (from 19.08.10 to 02.11.10) Director (Additional Charge)  
Prof. V. Rama Rao (from 03.11.10 to 28.02.11) Director (Temp. Charge)  
Prof. K. Srimannarayana (from 01.03.11 to 26.05.11) Director (Temp. Charge)

**Prof. T. Srinivasa Rao (from 27.05.11)**

**Director**

National Institute of Technology,  
Warangal

**Sri R.K. Bandyopadhyay,**  
Dy. Secretary (NITs), Technical Section,  
Department of Higher Education,  
MHRD, Govt. of India, Shastri Bhavan,  
New Delhi – 110 115

**Dr. K. Mruthyunjaya Reddy**  
Director General,  
A.P. State Remote Sensing Applications  
Centre & Director (Tech.), A.P. State  
Disaster Mitigation Society (APSDMA)  
8<sup>th</sup> Floor, Swarna Jayanthi Complex,  
Ameerpet, Hyderabad.

**Sri G.C. Kabi,**  
Superintending Engineer (Civil)  
Hyderabad Central Circle - II,  
Central Public Works Departments,  
Nirman Bhawan, Sulthan Bazar,  
HYDERABAD – 500 095 (A.P.)

**Sri Kedar Ram**  
Superintending Engineer (Electrical)  
HCEC-II,  
Central Public Works Department,  
Nirman Bhawan, Sultan Bazar,  
Hyderabad-500 095

**Sri Navin Soi,**  
Director (F)  
Integrated Finance Division (IFD)  
Dept. of Higher Education, MHRD,  
Govt. of India, Shastri Bhavan,  
New Delhi – 110 115

**Smt. N. Madhavi Sukanya**  
Dy. Chief Engineer  
HUDCO  
O/o. Engineer-in-Chief (R&B)  
Errummanzil,  
Hyderabad

**Prof. L. Krishnanand,**  
Dean, Planning & Development,  
National Institute of Technology,  
WARANGAL.

**Shri N. Krishna Reddy**  
Superintending Engineer (R&B)  
Electrical Circle  
Erramanzil  
Hyderabad

#### MEMBER SECRETARY

**Prof. G. Venkat Reddy** (upto 13.12.2010)

**Prof. K. Madhu Murthy** (from 14.12.2010)

Registrar,  
National Institute of Technology,  
Warangal

## 6.4 SENATE

Prof. S.S. Gokhale, (upto 18.8.2010) Director (Additional Charge),  
 Prof. S.K.Sarang (from 19.08.10 to 02.11.10) Director (Additional Charge)  
 Prof. V. Rama Rao (from 03.11.10 to 28.02.11) Director (Temp. Charge)  
 Prof. K. Srimannarayana (from 01.03.11 to 26.05.11) Director (Temp. Charge)  
**Prof. T. Srinivasa Rao (from 27.05.11) Director**

C.B.Kameswara Rao	V.Rama Rao (Rtd. on 28.2.2011)
K.V.Jayakumar (Lien)	T. Ramesh
N.V.Umamahesh	DVLN Somayajulu
P.Anand Raj	B.B.Amberker
D. Ramaseshu	G. Venkat Reddy
G. Rajesh Kumar	R. C. Sastry
C.S.R.K.Prasad	Y.Pydisetty
P.V. Ramana Rao (Rtd. on 6.12.2010)	M. Krishna Mohan
M. Sydulu	P. Suryaprakasa Rao
D.M. Vinod Kumar	K. Srimannarayana
D.V.S.S.Siva Sarma	J. Ramachander Rao
B. Kotiveerachari	G. Ramachandra Reddy (Lien)
R.V. Chalam	A. Ramachandra Reddy
G. Ravindranath Tagore	S.V.S.Ramana Reddy
K.Madhu Murthy	L. Ramgopal Reddy
A.V.Narasimha Rao	B. Venkata Appa Rao
L. Krishnanand	A. Ramachandraiah
Ch.S.Prakasa Rao	G.V.P. Chandramouli
S.Srinivasa Rao	I. Ajit Kumar Reddy
P. Bangaru Babu	P. Nageswara Rao
K.S.R. Krishna Prasad	K. Laxma Reddy
N.S. Murthy	T.K.V. Iyengar
N.V.S.N.Sarma	G. Radhakrishnamacharya
Y.N. Reddy	D.S. Kesava Rao

### Registrar (Secretary)

## 6.5 Other Committees

### a) Deans' Committee:

All the Deans are the members with the Director, as Chairman

### b) Research Advisory Committee:

1. Prof. T. Srinivasa Rao, : Chairman  
 Director, National Institute of Technology,  
 Warangal – 506 021 (A.P.)  
 E-mail: [director@nitw.ac.in](mailto:director@nitw.ac.in)  
 Ph.No. 0870-2462000, Mobile: 09490165365
2. Dr. G. Malakondaiah, : Member  
 Director, Defence Metallurgical Research  
 Laboratory,  
 Kanchanbag, Hyderabad – 500 058.  
 E-mail: [director@dmrl.drdo.in](mailto:director@dmrl.drdo.in)  
 Ph.No. 040-24340681

3. Dr. Arabinda Chaudhury, : Member  
Scientist 'G' and Chief Scientist,  
Lipid Science & Technology Division,  
Indian Institute of Chemical Technology,  
Hyderabad.  
E-mail: [arabinda@iict.res.in](mailto:arabinda@iict.res.in)  
Ph.No. 040-27191433; Mobile: 9440040582.
4. Dr. A. Veera Raghavan, : Member  
Professor, Dept. of Civil Engineering,  
Indian Institute of Technology Madras,  
Chennai – 600 036.  
E-mail: [av@iitm.ac.in](mailto:av@iitm.ac.in)  
Ph.No. 044-22574272, Mobile: 09444742710
5. Dr. B.V. Appa Rao, : Member  
Professor of Chemistry &  
Dean (Research & Consultancy),  
National Institute of Technology,  
Warangal – 506 004. (A.P.)  
E-mail: [bva@nitw.ac.in](mailto:bva@nitw.ac.in)  
Ph. No. 0870-2462012, Mobile: 9490165364
6. Dr. N.S. Murthy, : Member  
Professor, Dept. of ECE &  
Dean (Planning & Development),  
National Institute of Technology,  
Warangal – 506 004. (A.P.)  
E-mail: [nsm@nitw.ac.in](mailto:nsm@nitw.ac.in)  
Ph. No. 0870-2462013, Mobile: 9490165363
7. Dr. R.V. Chalam, : Member  
Professor, Dept. of Mechanical Engineering,  
National Institute of Technology,  
Warangal – 506 004. (A.P.)  
E-mail: [chalamrv@yahoo.com](mailto:chalamrv@yahoo.com)  
Ph. No. 0870-2462304, Mobile: 9866212198

**c). The Hostel Advisory Council (H.A.C.):**

- i) Prof.S.S.Gokhale, Director - Chairman (upto 18-08-10)  
Prof.S.K.Sarangi, Director - Chairman (from 19-08-10 to 02-11-10)  
Prof.V.Rama Rao, Director - Chairman (from 02-11-10 to 28-02-11)  
Prof K.Sriman narayana, Director -Chairman (from 28-02-11 to 27-05-11)  
Prof T.Srinivasa Rao, Director - Chairman (from 27-05-11)
- ii) Prof. K. Laxma Reddy, Chief Warden - Convener(up to 05-01-2011)  
Prof.A. Ramachandra Reddy, Chief Warden - Convener (from 06-01-2011)
- iii) Prof G.Venkat Reddy, Registrar - Member(upto 13-12-10)  
Prof. K.Madhu Murthy, Registrar - Member (from 14-12-10)
- iv) Prof. R.C.Sastry, Dean Faculty Affairs - Member
- v) Prof. G.Radhakrishnamacharya, Dean Stud. Affairs –Member
- vi) Warden representatives:  
a. Dr.K.V.G.Reddy, Dy.Chief Warden - Member(upto16-02-11)  
b. Dr.R.L.N.Sai Prasad, Dy.Chief Warden - Member(from17-02-11)  
c. Dr.Deva Pratap, Dy.Chief Warden -Member(from 17-02-11)  
d. Dr.V.V.Mani, Hall Warden - Member
- Vii) Student representatives: -  
i) Mr.P.Prudhvi, Student Council President - Member  
ii) Mr.M.Sumanth, Student Council Secretary - Member

**d) Departmental Academic Committee – Undergraduate (DAC UG):**

- |   |     |          |
|---|-----|----------|
| 1. Head of the Department   | ... | Chairman |
| 2. Two Professors of the Department<br>(By rotation, for two years) | ... | Members  |
| 3. Two Associate Professors of the Department                       | ... | Members  |
| 4. Two Assistant Professors<br>(By rotation for two years)          | ... | Members  |

**Note:**

1. The Head of the department will nominate one of the members as secretary.
2. There shall be one DAC-UG for every department that is involved in the teaching for the B.Tech. programme.
3. The Chairman may co-opt and / or invite more members including external experts while framing the curriculum / or revising the curriculum.

**Functions:**

1. To monitor the conduct of all undergraduate courses offered by the Department and course work of undergraduate programme.
2. To ensure academic standards and excellence of the courses offered by the department.
3. To develop the curriculum for the undergraduate courses offered by the Department and recommend the same to the Board of Studies.
4. Review and approval of the grades.
5. To consolidate the registration of the students and communicate to the course instructors and Dean (Academic Affairs).
6. To consider any matter related to the undergraduate programme(s) of the Department.
7. To take up any responsibility or function assigned by the Senate or the Chairman of the Senate or Chairman of the Board of Studies.
8. To examine the malpractices of examinations and submit a suitable recommendation to the Dean, Academic Affairs.

**e) Departmental Academic Committee – Postgraduate & Research (DAC-PG&R):**

- |   |     |          |
|---|-----|----------|
| 1. Head of the Department   | ... | Chairman |
| 2. Two Professors of the Department<br>(By rotation, for two years)           | ... | Members  |
| 3. Two Associate Professors of the Department<br>(By rotation, for two years) | ... | Members  |
| 4. Two Assistant Professors of the Department possessing<br>Ph.D Degree       | ... | Members  |

**Note:**

1. The Head of the Department will nominate one of the members as secretary.
2. There shall be one DAC-PG&R for every department, which is involved in the teaching for any of the PG degree programme.
3. The Chairman may co-opt and / or invite more members including external experts while framing or revising the curriculum.

**Functions:**

1. To monitor the conduct of all postgraduate courses and course work of Ph.D programme.

2. To ensure academic standards and excellence of the courses offered by the department.
3. To develop the curriculum for the postgraduate courses offered by the department and recommend the same to the Board of Studies.
4. Review and approval of the grades.
5. To consolidate the registration of the Postgraduate and Ph.D., students and communicate to the course instructors and Dean (Academic Affairs).
6. To consider any matter related to the postgraduate programme(s) and Ph.D. programme of the Department and make a suitable recommendation to the Board of Studies.
7. To monitor the progress of research of all the candidates of the Department.
8. To forward the recommendations of the Doctoral Scrutiny committee and the panel of External Examiners as recommended by the DSC to the Dean (Academic Affairs).
9. To take up any responsibility or function assigned by the Senate or the Chairman of the Senate or Chairman of the Board of Studies.

**f) Doctoral Scrutiny Committee (DSC):**

- |  |     |                    |
|--|-----|--------------------|
| 1. Head of the Department                      | ... | Chairman           |
| 2. Research of the Department                  | ... | Member & Secretary |
| 3. Co-supervisor (if any)                      | ... | Member             |
| 4. One faculty member of the Department        | ... | Member             |
| 5. One faculty member of the allied Department | ... | Member             |

**Note:**

If the Research Supervisor happens to be the Head of the Department, another faculty member of the Department has to be included in DSC.

**Functions:**

1. To formulate the course work of the candidate.
2. To scrutinize syllabi of courses of self-study (if any) prepared by the Research Supervisor(s) and send the same to the Dean (Academic Affairs).
3. To finalise and forward the grades of the candidate in each of the courses to the Dean (Academic Affairs).
4. To review the progress of the candidate once in every six months and send the progress report to the Dean (Academic Affairs).
5. To assess and approve the research proposal of the candidate.
6. To assess and approve the adequacy of the work in the Pre-synopsis seminar and communicate the same through Departmental Research Committee to the Dean (Academic Affairs).
7. To act as members of the Viva-Voce Board along with the external examiner and submit the Viva-voce report.

**f) Stores purchase Committee of the Institute**

- |  |     |          |
|--|-----|----------|
| 1. Dean (Research & Consultancy)               | ... | Chairman |
| 2. Dean (Planning & Development)               | ... | Member   |
| 3. Board Members (Internal)                    | ... | Members  |
| 4. Registrar                                   | ... | Member   |
| 5. Head  | ... | Member   |
| 6. Principal Investigator, in case of projects | ... | Member   |
| 7. Stores Officer                              | ... | Convenor |

**g) Disciplinary Committee**

1. Director	...	Chairman
2. Dean (FA)	...	Member
3. Dean (AA)	...	Member
4. Dean (SA)	...	Member
5. Dean (P&D)	...	Member
6. Dean (R&C)	...	Member
7. Registrar	...	Member & Secretary

**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. (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	2008-2009	2009-2010	2010-2011
<b>I. Opening Balance:</b>			
a) Cash in hand			
--- Main Cash Book	1362985	1917081	302868
--- Petty Cash Book	86280	140739	151054
--- Imprest with Departments	44700	54400	135950
--- Fee Account	--	--	1867892
b) Bank Balances			
--- In Current Accounts	39300766	23677375	151327644
--- In Deposit Accounts	--	--	--
--- Savings Account	487444	8251946	448456
<b>II. Grants Received:</b>			
a) From Govt. of India			
--- Towards Capital Fund			
--- Towards Revenue Exp.			
b) Grants received by TEQIP	1023256375	1367827873	951211503
c) Staff Subscription towards PF			
d) Institute Contribution towards PF			
e) Endowment fund received			
<b>III. INCOME ON INVESTMENTS FROM:</b>			
Earmarked/Endowment Funds	146862	256458	298168
Own Funds(other Inv) TEQIP	1504619	--	--
<b>IV. Interest Received:</b>			
a) On Bank Deposits	18639541	19383244	15251787
b) Loans, Advances etc.	--	--	--
<b>V. Other Income(Specify):</b>			
--- Rents from Hostels	7086750	16899397	18161115
--- Licence Fee Staff Quarters	621040	493821	697471
--- Rents from Guest House	719060	862800	368138
--- Revenue Receipts from UGC	45153870	102105643	114030665
--- Revenue Receipts from MCA	---	---	---
--- Revenue Receipts from PGC	16307456	32084432	41339686
<b>VI. Amount Borrowed:</b>	---	63890000	---
<b>VII. Other Income TEQIP:</b>	867927	4000	---
<b>VII. Any Other Receipts:</b>			
--- Under Funded Accounts			
--- Other Deposit Accounts			
--- Investments Accounts	652762754	1086612553	943197360
--- Advances Accounts			
--- Other Items(St.Liabilities)			
--- Purchases Accounts			
	<b>1808348429</b>	<b>2724461762</b>	<b>2238789757</b>

(Amount in Rupees)

<b>PAYMENTS</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>
<b>I. Expenses:</b>			
a) Establishment Expenses	223437362	398102262	348130230
b) Administrative Expenses	112911491	133181198	168257562
<b>II. PAYMENTS MADE AGAINST Funds for various Projects:</b>			
--- Towards various funded accounts	813727192	92376432	119291287
<b>III. Investments land deposits made:</b>			
a) Out of Earmarked/Endowment Fund	1010500	1300000	150000
b) Out of Own Funds	160106989	460238618	1225675875
c) Interest accrued on Investments	--	--	10498582
<b>IV. Expenditure on Fixed Assets &amp; CWIP:</b>	92782058	1071728704	169801087
<b>V. Refund of Surplus Money Loans:</b>	--	69397844	--
<b>VI. Finance Charges:</b>	--	--	--
<b>VII. Other Payments:</b>			
--- Other deposits account	370331296	343902840	93894277
--- Other Liabilities(St.Liabilities)			
--- Purchases Accounts			
--- Advances Accounts			
--- Endowment Payments			
--- Govt. of A.P.- Arrears of Pension paid			
--- Refund of Capital Fund (Surplus)			
<b>VIII. CLOSING BALANCES:</b>			
a) Cash in hand			
--- Main Cash Book	1917081	302868	569553
--- Fee Account (Cash)	--	1867892	--
--- Petty Cash Book	140739	151054	199699
--- Imprest with Departments	54400	135950	205889
b) Bank Balances			
--- In Current Accounts	23677375	151327644	99331072
--- In Deposit Accounts	--	--	--
--- Savings Account	8251946	448456	2784644
--- Cheques on hand	--	--	--
	<b>1808348429</b>	<b>2724461762</b>	<b>2238789757</b>

---

## 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 Centre offers training and consultancy services. The Centre is also responsible for providing Telecommunication services to campus users. Further, the Centre maintains the campus wide networking including Web server, mail server, and DNS server.

#### 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 softwares viz. Matlab, Autocad, Autodesk Inventor, Ansys, ProE, Informatica, etc.

### 9.2 Workshops

Central 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 Processes, Metal Joining, and Metal Casting, Machine Tools Lab, ME Lab. It also conducts laboratory classes in Material Testing. It has Cold Crack testing equipment for developing welding procedures.

In addition to above facilities, in this period, the institute workshops are strengthened with the following equipment procured under P899: Plan General Equipment (Purchase of Minor Equipment & Soft) Sanctioned to MED.

1. Planner with Blade set (Bosch make)
2. Impact Drilling machine (Bosch make)
3. Circular Saw (Bosch make)
4. Cut-off Saw
5. Power Screw Driver (Bosch)
6. Infrared Thermometer

The above equipment and the existing modern equipment are being utilized for the Class work (UG and PG) and also the research activities by 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 1,57,596 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. 6.40 crores.

#### ADDITIONS TO THE LIBRARY DURING THE YEAR 2010-11:

During the year 10,115 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 01.07.2010 to 30.06.2011	Rs. 54,59,797=00
Expenditure on Journals from 01.07.2010 to 30.06.2011	Rs. 5,91,000=00
Book Bank for Needy Students total investment upto 30.06.2011	Rs. 7,22,148=00
Book Bank for SC/ST student's total investment up to 30.06.11	Rs. 22,10,121=00
Book Bank for BCWD students up to 30.06.11	Rs. 3,15,273=00
Book Bank for SC students up to 30.06.2011	Rs. 2,81,499=00
Book Bank for ST students upto 30.06.2011	Rs. 3,35,641=00
Expenditure of IT infrastructure, furniture and equipment, Others, etc	Rs. 2,41,245=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 latest 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 2,771 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 1,72,452 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 XP 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 (Duel Xeon) – 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-AICTE (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 (Back files upto 2009)

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

#### Major Equipment:

Microprocessor based data acquisition System	Digital Strain indicator
Accelerated curing	Tinius Olsen testing machine
Non-destructive test equipment	Polaris cope
Flame Photometer	Nuclear density gauge
Doppler Radar	Automatic Road Unevenness Indicator
Clegg impact	Centrifugal pump test Rig
Air Pollution Testing Apparatus	Automatic Compactor
Automobile Exhaust Analyzer	Driver Testing Equipment
Weigh-in-motion Equipment	Wheel Tracking
Load man	Dynamic Analysier
Class Impact	MERLIN – road roughness measurement (under RRPPS)
Impact Hammer	Brookfield Viscometer (Bitumen Rheology studies)
USB 6008 – Data Acquisition card (under RRPPS)	Sample cutter (slab/beam cutting)
<ul style="list-style-type: none"> <li>Core cutting equipment (core from bituminous/cement concrete pavement)</li> </ul>	

### Electrical Engineering

#### Laboratories:

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

**Major Equipment:**

Generalized Machine Set	DC Network Analyzer
Four Machine Set	Transient Network Analyzer
U.V. Recorder	12 KV DC Power Pack
Digital Storage Oscilloscope	150 KV Impulse Generator
Power Electronic Kit	Micro Controller Kit
100 KV Power Frequency HV Transformers	Control Engineering Trainer
Relay Test Kits	Power Harmonic Analyzer
Artificial Transmission Line Units	MATLAB, PSPICE, EMTP, SPARD, CAPSS Software
Synchronous Machine Sets with Thyristorised Speed Control	DSP Controlled Drives
Digital Storage Oscilloscope	TMS 320 LF 2407 Based EVM Modules
dSPACE System	MATLAB, SIMULINK and Real Time Workshop for dSPACE
TMS 320LF 2407 – DSK Trainer Kits	TMS 320F 2812-DSK kits.
Transducer Trainer Kits, strain gauge transducer trainer kits (2 Nos.)	8086 Microprocessor Trainer Kit Model 86 LCD
Scientific Function Generators SM 5071,	Scientific Power supply units PSD 3003,
Scientific Power supply units PSD 3203,	Protek Digital Multimeters.
100 MHZ Digital storage oscilloscopes	Sanyo plc xd2200 Multi Media Projectors

**Mechanical Engineering****Laboratories:**

Manufacturing Simulation	Heat Power
I.C. Engines	Thermal Engineering
Engine Pollution Control	Energetics
Machine Tools	Solar Energy
Rocket Testing	Machine Dynamics
CNC Machines and Robotics	Fluid Power Systems
Industrial Engineering	Microprocessor Application
Central Workshops	CAD / CAM
Mechatronics (DST, FIST scheme)	Rapid Phototyping

**Major Equipment:**

CNC Milling Machine-2 ½ axes (Denford, U.K.)	CNC Lathe (Stanturn, U.K.)
D.C. Servo Robot – 5 axes (CRS Canada)	Hydraulic Robot (Arun, Feedback, U.K.)
EDM Equipment	CNC Drill Cum Mill Trainer (Feedback, U.K.)
Dynamic – Vertical Milling Machine	Exhaust Gas Analyzers (HC, CO, NO-NO <sub>x</sub> )

Smoker Meter	Refrigeration Test Rig
Pyranometer	Spectrophotometer
Sunshine Recorder	Flue Gas Analyzer
Solar Mini Lab	Eddy Current Dynamometer
Pi-Meter	Project Manometer
Digital Micro Manometer (Fumace Controls Ltd., U.K.)	Variable Compression Ration Lister Engine
Kistler Pressure Transducers	Vibration Exciter and Measurement
Piezoelectric Accelerometers	Pneumatic and Hydraulic Trainers
Pulse Oximeter	Electro Discharge Machining
Dynamometers for Forces & Torques Measurement	Stefan Boltzman – Heat transfer equipment
Omnigraphic series xy/ t recorder	Standard Tread Mill -
FFT Analyzer	Smoke Density tester
Gec-fanuc programmable logic controller	Data Logger
Eurobtec modular educational system	Transducer Kit
IDEAS (CAD/CAM Package)	Awesim (SLAM – II) package, Auto Mod. Pro model Package
MASH Module (FMS Simulator)	Refrigeration Test Rig
Single Cylinder Diesel Engine Test Rig	Z Servers (Windows NT) with 12 nodes
Mechatronics Training System, PLC Trainer Kits	CNC Lathe & Training System
Modular Servo System	Five axis servo controlled Robot
Power Tools	Mechanism Training Module
150 Amp. Inverter based MMA welding equipment	Dimension SST 3-D Printer (Rapid Prototype)
Electro Chemical Machining Unit	Magnetic Crack detector
Multipoint fuel injuction 4 cylinder petrol engine	Pyrhellometer with 2 axis Tracker
4 Component quartz Dyanmo meter	Portable vibration analyzer and balancing
Automatic Studio	Thermal Engineering
Vibration Simulation Test Rig	Energetics
Single Cylinder Petrol Engine Test Rig	Air conditioning Test Rig
Magnetic Crack Detector Unit	Steam Turbine Test Rig
200 Amp single phase air cooled welding Transformer	150 Amps Inverter MMA welding equipment
Plastic Injection Molding Machine	Sand Testing equipment
Variable Speed Precision Lathe	Ultrasonic Flaw Detector
Vertical Milling Machine	Tool &Cutter Grinder
Pulse generator for EDM	Workshop Tools & Equipment
CSD-3 Sunshine Recorder	LOG BOX – 8 channel data logger
	Tool Makers Microscope -
	Production Engg. lab

## Electronics & Communication Engineering

### Laboratories:

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

### Major Equipment

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

## 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	Six ACs are procured and installed for HPC Lab.

### Chemical Engineering

#### Laboratories:

Transfer Operations	Testing of fuels, water, intermediates and products
Process Engineering	Simulation and data processing
Chemical Technology	

#### Major Equipment:

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

ASPEN PLUS software  
 Prosimulator Software  
 Rheometer  
 pH/ORP/ISE/Conductivity/DO:  
 Bench Top Ion Meter

CHEMCAD software  
 CFX software  
 Fluidized Bed Combustor

## Metallurgical and Materials Engineering

### Laboratories:

Physical Metallurgy  
 Heat Treatment,  
 Mechanical Metallurgy  
 Mineral Dressing  
 Process Metallurgy

Electro-Metallurgy  
 Foundry Technology  
 Powder Metallurgy,  
 X-ray Diffraction and  
 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
- Multifile 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

- Hydraulic press for powder compaction (30T)
- Digital balance of accuracy  $\pm 0.01\text{mg}$

### 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
- UV-Visible Spectrophotometer
- Research Grade Optical Microscopes
- Ultra Deep Freezer
- Autoclave
- Scanning Tunneling Microscope
- Gas Chromatograph
- Spectrophotometer
- Flame Photometer
- Fermenter Bioreactors
- Laminar Airflow

### 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, N<sub>2</sub>, He-Ne & Semi – Conductor)
- Optical Data Processing Unit
- ESPI for NDT
- Pentium PCs with Multimedia
- Digital Storage Oscilloscope (400 MHz & 100 MHz)
- VHF & Microwave Field Strength Meters
- PC Based Instrumentation Trainer
- Optical Power Meters
- Multi-channel Analyser
- Microprocessor Kits (8086, Z80, 8085) & VDUS

- 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
- 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
- Shimadzu Specular Reflectance Accessory
- Electrogravimetric Analyzer
- Shimadzu 820/PC Fourier Transform Infrared (FTIR) Spectrophotometer
- Flash Chromatograph
- BOD Incubator
- Systronics Flame Photometer
- UV Visible Spectrophotometer (Analytik Make)
- Micro Processor Based Flame Photometer
- Electronic Portable Balance
- Visible Spectrophotometer
- 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

- 
- Turbidimeter
  - Polarimeter
  - Hedolph Rotary Evaporator
  - Melting point Apparatus
  - Electrochemical Analyzers
  - Rotavapor with accessories
  - Cryostat
  - HPLC
  - High temperature Programmable furnace
  - Thermostat with temperature control
  - Orbital shaker
  - Flame Photometer
  - KBr pellet maker
  - Vacuum pump
  - FT-IR Spectrophotometer
  - Cyclic Voltammeter
  - Digital Balances
  - Visible Spectrometers
  - Ultra Centrifuge
  - Water bath Shaker
  - Digital polarimeter
  - Ice making machine

### Mathematics & Humanities

#### Laboratories:

- **Computational Laboratory** with adequate number of systems to work on UNIX / DOS/WINDOWS 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
- Work Station
- Digital Copier

### 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 insector.

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.)  
Post Office  
Laundry  
Hair Dressing Saloon  
Xerox Centre  
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 item 4.7. p. 96 & 97)

## 9.8 Other Facilities like Hostels, Messes Staff Quarters, Administration

(Vide 4.5 p. 91 & 92 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 2010-2011**

<b>SL. NO.</b>	<b>NAME OF THE DEPARTMENTAL TECHNICAL ASSOCIATION</b>
1.	CIVIL ENGINEERING ASSOCIATION
2.	ELECTRICAL 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.

#### **DANCE AND DRAMATIC CLUB**

The Dance and Drama club as usual thrilled the student community with many events. The club started with a grand 4-day in-house workshop structured on a western style Bboying/ Bgirling. Professional dancers from the FREAK N STYLZ dance academy, Bombay were invited to train students. Members from the club represented the institute at MOOD INDIGO, the cultural fest of Bombay. The annual inter-branch competition, ZERO GRAVITY was successfully organized in February. The club also coordinated and organized many dance and drama events during SPRINGSPREE. The club gave Audi Nights spread throughout the year and ended the series with a grand performance at the Valedictory of the clubs in April.

#### **MUSIC CLUB**

Two musical nights were held this academic year. Each of these shows was very successful in terms of preparation and presentation. The first show was held on the inaugural night of TECHNOZION, a technical contest and a flagship contest of NIT Warangal. It set the proper tone for the rest of the proceedings. The second big event was held in the second semester. An important occurrence is the collaboration between

some members of the music club and certain Alumni which took place during the institute's national level cultural competition, SPRINGSPREE. During the Spree, a number of musical programmes were held much to the delight of the youthful audience. There were more than a hundred people auditioning for the vocal contests and a good number turned up for the instrumentals as well. The club would like to go in soon for new and better additional light and sound equipment.

### **LITERARY AND DEBATING CLUB**

The Literary and Debating Club proved itself to be a premier club in the year 2010-2011 and has been active throughout the year. The first event was the Mock Press which encourages the I B.Tech. to learn to speak in public and enjoy the wit and repartee in lively exchanges. The second event is Lantern, a talent-spotting contest aimed at I B.Tech students. Large participation was seen, the verbal and written skills of students were tested and rewarded. Events such as JAM brought fun and frolic to the audiences. Telugu and Hindi sections of the club also conducted similar events. Hindi club conducted Kavi Sammelan on the eve of Holi festival. To inculcate and improve the reading habit, club members collected books from several student donors and constituted an informal library.

### **QUIZ CLUB**

The Quiz Club organized 6 events in the year on a variety of themes like the Sports, Literature and Entertainment, History and Mythology, Business, General and Tollywood movies. The General quiz was conducted in association with K-Circle, Hyderabad. Students of final and third year of B.Tech took active part in holding the events. The special events at Intramurals and Springspree added colour and competitive keenness to the programmes. H.Padmanabhan, Shaonil Nath, K.S.Venkatakrishnan, and Amitanshu Mishra were the winners. Gokul Anugrah handled payments and hospitality at Springspree quizzes. Out of the 15 prizes, 7 went to the outside college teams and the rest were won by the NITW team. 10 editions of JOGA BONITO, year-long quiz contest, were held keeping alive the curiosity of quiz fans.

### **PAINTING CLUB**

Painting club aims at encouraging and enhancing art, discovering new talents and sowing the seed of artistic zest among students. With a group of 40 young, budding artists driven by enthusiasm, and boundless creativity, the club has been reaching new heights since its inception. The Year 2010-2011 was a year of thrilling challenges for the Painting Club. The overwhelming response for CHITR'11 from the art lovers of the campus as well as the townsfolk outside had raised the standards of the club very high from the very first day. The club showed good unity and leadership with an executive strength of 40 members. "SANS BRUSH" competition, painting without brushes, was conducted in the month of October in which 55 teams participated and made it a grand success. "RANGOLI AND MEHANDI COMPETITION" was held on the eve of Diwali. Another major event was the "KITE-MAKING COMPETITION" which turned out to be even more beautiful than last year as colours flared in the sky to give an awesome view. We introduced a new event this year named JIGSAW PUZZLE MAKING COMPETITION. Participants were required to draw and colour any drawing and then cut it into form of a Jigsaw puzzle. During Springspree the club fascinated all with two big workshops on "PHOTOSHOP DESIGNING AND CRAFT WORKSHOP"; where every budding artists helped each other in enhancing their skills. Face Painting, Sand Castles and Soap Carving were the main draws at Spring Spree. In addition,

there were three quality workshops held during the spree: GRAFFITI, GLASS PAINTING and CINEMA 4D. Graffiti workshop was conducted by two German artists named Zebster and Loomit which attracted graffiti enthusiasts from all over the state.

CHITR'11, the Annual National level art Exhibition, was conducted under the banner of Spring Spree this year. Paintings, sketches, cartoons and handicrafts of participants from all over Andhra Pradesh and other states were displayed for all three days of Spree. The club attempted to establish a world record, KADAM, an attempt to create world's largest footprint painting and wish Indian team success for their world cup conquest. We successfully created a painting over a canvas size of 10,500 sq. feet made entirely of footprints.

### **SCIENCE AND HOBBIES CLUB**

For the year 2010-2011 the Executive of the Science & Hobbies Club was formed in the first week of August, 2010. The Club activity started in the last week of August, 2010 with the first event of "Science Quiz" held on 27<sup>th</sup> August, 2010. The event was about general science topics and around 180 students participated in the event. In the middle of September "Puzzle Mania" an event on logical and numerical puzzles was conducted. The club conducted "Model making competition" in the last week of February and for this event each team was given material and were asked to make a model and present its theme. It was well-attended. In the first week of March, a workshop on paper carving "Origami" was conducted by the club. During Spring Spree'11 an event "RUMINER" consisting of a series of events including puzzles, math questions and task completion was held. Teams were selected on the basis of an aptitude test for further rounds. The participation by the teams was enthusiastic. The club is planning to bring out a Newsletter this time soon.

### **ELECTRONIC AMATEURS AND HAM CLUB**

The club encourages budding students of electronics and HAM club. The club held a basic seminar aimed at the first year B.Tech students to give them a glimpse of robotics. A quiz on communication concepts was organized by Ms. Madhuri of III B.Tech. A demonstration on using HAM radio was done by Amarjot Singh, the Additional secretary of the club. Freshers got valuable hands-on experience on HAM radio receiver. A two day hands-on workshop-cum-seminar on microcontroller-based Autonomous Robot Design and Testing was conducted by a team from IIT Bombay. Prof. Kavi Arya from IIT Bombay gave the inaugural speech on this occasion.

### **NATURE CLUB**

The Nature Club focused on Mother Earth in its activities this year. Overall, 6 events were held with an Executive consisting of 33 members. Then first event was "Speak for Nature" with a quiz and debate. There was also a mad-ad competition in which 34 teams of two members each took part. In Technozion X, club members passed on Green Tips to participants. A video on Climate Change was screened and led to active discussion. A model called "Save Nature" was made and displayed near the auditorium. In the second semester, a wildlife quiz was conducted and another event was Eco-Industrial Networking, a case study emphasizing the least amount of carbon foot print left by an industry. The last event was a treasure hunt which attracted 64 teams. Participants cleaned campus and sowed seedlings. The club's newsletter Vasudha was released.

## **INNOVATION AND ENTREPREUNERSHIP CLUB**

The club organized an expert talk on “Introduction to Stock Market” by Sri R.Mohan from the School of Management on 6.10.2010 in the new Seminar Hall of the institute for the benefit of students with enterprise. There was a Business Quiz competition and another expert talk by Dr.Krishnanand, Professor and Dean of Planning and Development on “Innovations in Engineering”. Another event was an interactive video conference from Germany on “Imagining in Research and Development” by Dr.Sachin Agarwal of Nippon Electric Company, Heidelberg. This was conducted in the New Seminar Hall on 5.2.11. Finally, the club organised an ‘Idea Generation’ competition on 23.3.2011.

## **FILM COMMITTEE**

The Film Committee, so popular with students, lived upto expectations this year too. The major events of the committee included the Oscar Week, the Bollywood, the Tollywood, the Film Festival and the ICC world cup live streaming. A tamil movie was also screened. A total of 34 films were shown to students. The World Cup matches drew a lot of attention and cheer. The split lens of the projector was changed and power amplifiers being replaced. It is proposed to purchase high resolution LCD projector.

## **THE INSTITUTION OF ENGINEERS (INDIA) NITW STUDENTS CHAPTER**

This is a national level Student Chapter which began its activities on the NITW campus in 2010. Even though it is the first year of the club, the Chapter organised four events. First there was the Inaugural and Aptitude test based on technical knowledge. There was a case study on “Why diesel engines are not used in bikes?”. It was followed by a Mock Gate Test and finally another Aptitude test on technical matters brought the activities to a close. Plans are afoot to revive the Energy Park in association with Nature Club with the objective of producing biogas from waste products on the campus.

## **FORUM FOR INTERNATIONAL STUDENTS AFFAIRS ( FISA )**

FISA was started this year to bring together a sizable number of about 300 foreign students on the campus. It caters to the needs and addresses problems of the students from abroad, mostly admitted through the DASA, Direct Admission to Students Abroad. The inaugural was a colourful show in which the typical cultural features of many countries were showcased. The Director Prof. Rama Rao, who was the Chief Guest, and the Dean and the Faculty Adviser spoke on the occasion. The Forum organized remedial classes by some teachers of mathematics for the benefit of the students who needed extra coaching in mathematics. A quiz was conducted in January. Members of the FISA contributed to the Spring spree in good measure and participated in many events.

## **TECHNOZION – X**

Technozion is an annual national level student’s technical activity of NIT, Warangal. The 2010-11 edition of this event, Technozion X was held during 24-26 September, 2010. The main objective of this event is to bring students from various engineering colleges across the country on to a single platform where they can share

their ideas and showcase their various technical activities. The event is organized entirely by the students. The financial resources for organizing the event are raised by the students through sponsorship and registration fees.

The response for Technizion X was overwhelming. More than 500 students from colleges across the country participated in various events organized during Technizion X. The major attraction during this year's Technizion was the workshops organized on various themes. Workshops on Robotic, Robo Eye, Rocketry, Chemical Simulation, Forensic Sciences and Bioinformatics were the most popular among the workshops.

Guest lectures by eminent personalities were organized as part of Technizion. Dr. Archana Sharma, Physicist working in CERN laboratories in Switzerland delivered a lecture on particle physics, with special emphasis on Large Hadron Collider experiment being conducted by CERN. Dr. Gandhi P.C. Kaza, Former Director of AP Forensic Science Laboratories and founder of Truth labs delivered a lecture on Forensic Science and its applications.

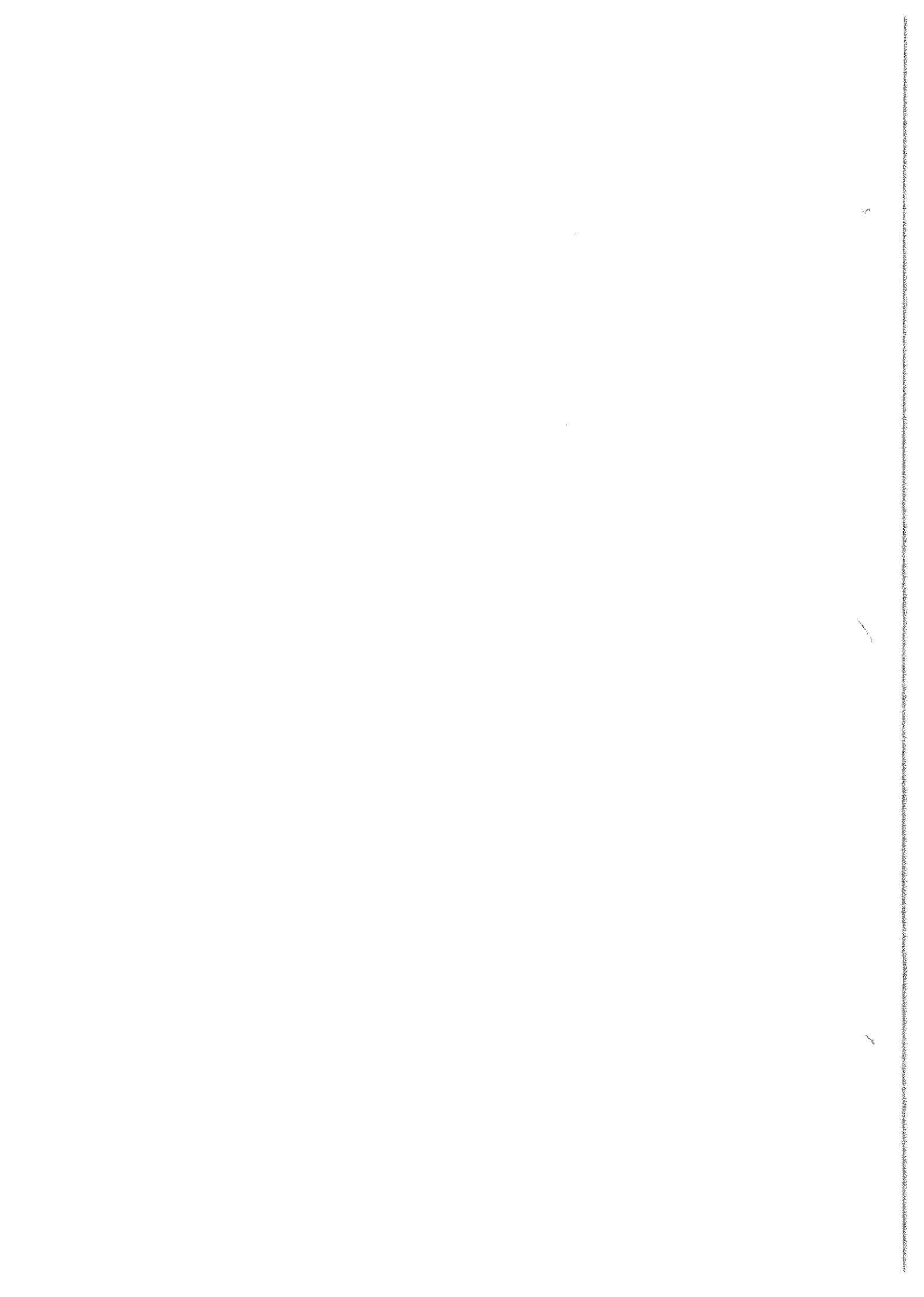
In addition to the workshops and guest lectures, several technical events were organized during Technizion x. Technical paper presentations, Technical quiz, Jahaaz, a competition on boat making and boat racing, a competition on short video film making on Climate Change and its impact were some of the events organized across all the disciplines. In addition to these events, department level competitions were organized in the individual departments.

### **SPRING SPREE 2011**

Spring Spree 2011 – A National Level Cultural Festival was conducted during March 11-13, 2011. The inaugural of the cultural festival took place on 10<sup>th</sup> March, 2011 at 1800 hrs. Prof. K.Srimannarayana, Director, NIT, Warangal presided over the inaugural function. Mr. Shekhar Kammula, a popular Director from Telugu film industry was the Chief Guest of the function. A total of about 600 students from institutes all over India participated in Springspree 2011. A good number of competitions and workshops were held to bring out the best talent among the students. Many national and international experts were invited to conduct workshops and judge the events. On 11<sup>th</sup> March, 2011 in addition to the regular events, a highlight was the "ALLURE" a fashion show, for which Ms. Spain was the judge. Two workshops on Graffiti and B.Boying were organised by two international experts from Germany. Colour and sparkle were added through an entertainment program performed by Mr. Shiva Reddy, a popular mimicry artist from Telugu film industry.

A workshop on photography was conducted for which Mr. Munish Khanna, a well-known photographer was the judge. A musical night was conducted during which two popular artists from Indian film industry viz., Mr. Naresh Iyer, and Mr. Stephen Devassy performed. Members of the Painting Club of NIT Warangal attempted to break the world record of largest foot painting, the KADAM. A rock band program was conducted by IRA Group, Bangalore.

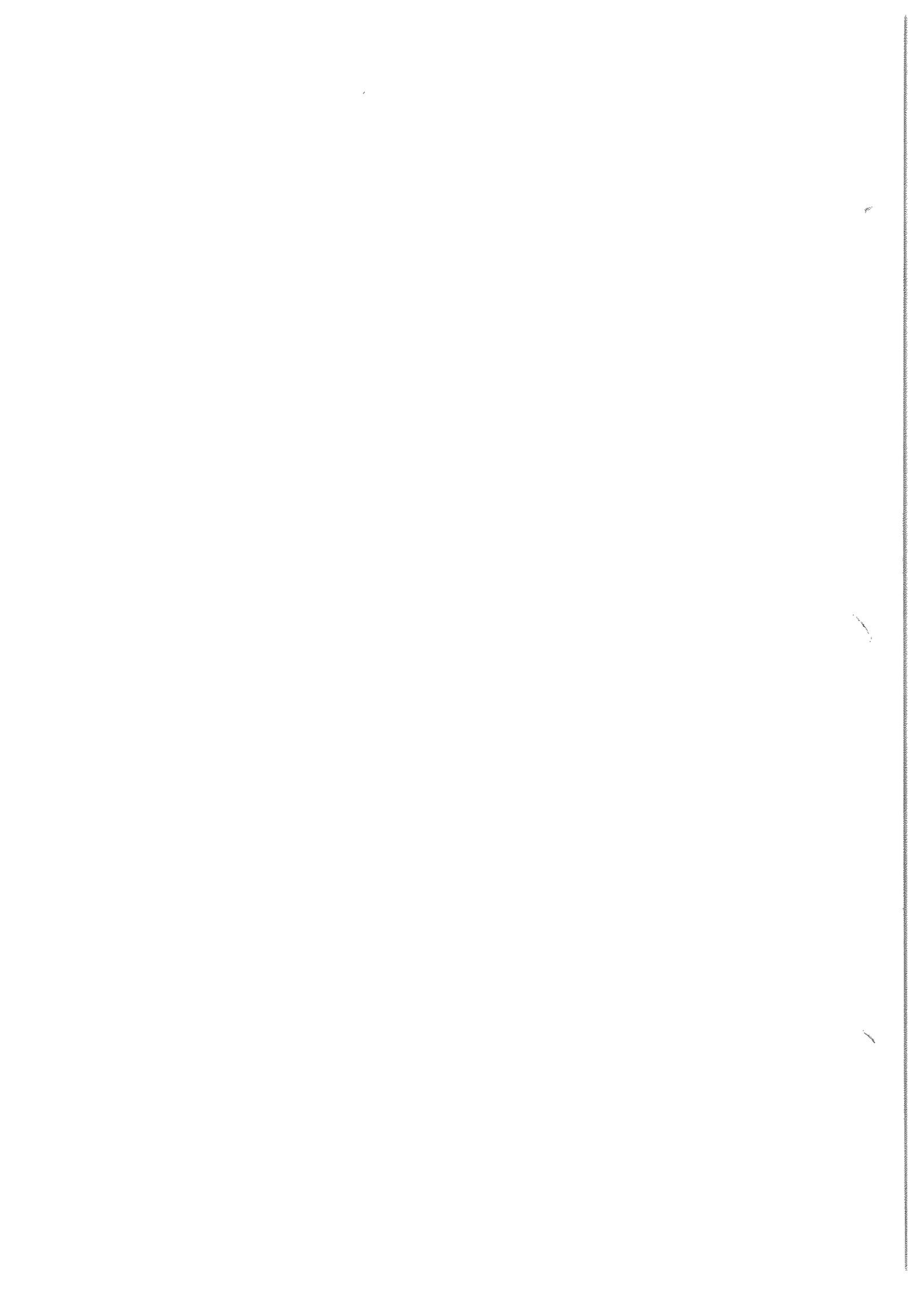
This was the Silver Jubilee edition of Spring Spree, which had international and national experts to judge the events and performances during the festival.



**PART - II**

**AUDIT REPORT  
AND  
ANNUAL ACCOUNTS**

**2010- 2011**



**Separate Audit Report of the Comptroller and Auditor General of India on the accounts of the National Institute of Technology, Warangal for the year ended 31 March 2011**

We have audited the attached Balance Sheet of National Institute of Technology, Warangal as at 31 March 2011 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 Government of India , 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:

#### **Comments on Accounts**

##### **A. Consolidated Balance Sheet**

##### **A.1. Liabilities**

##### **A.1.1 Reserves and Surplus – Rs. 256.54 crore (Sch-2)**

**A.1.1.1** This includes Plan Grants received during the year of Rs.65 crore not exhibited distinctly on the liabilities side as separate fund account, which resulted in overstatement of Reserves and Surplus and understatement of Earmarked fund account by Rs.65 crore.

##### **A.1.2. Earmarked/Endowment fund – Rs. 32.30 crore (Sch-3)**

**A.1.2.1** This includes minus balances amounting to Rs.21.22 lakh which have not been reconciled.

**A.1.3 Current liabilities and Provisions – Rs.7.40 crore  
(Schedule-7)**

**A.1.3.1** This does not include provision for liability payable towards superannuation benefit (Gratuity) and accumulated leave encashment up to the year end, totaling Rs.25.13 crore, which resulted in understatement of Current Liabilities & Provisions and corresponding overstatement of Corpus/Capital fund by Rs.25.13 crore.

**A.1.3.2** This does not include provision for outstanding expenses payable for the period ending 31<sup>st</sup> March 2011 amounting to Rs.6.44 crore, which resulted in understatement of Current Liabilities & Provisions and corresponding overstatement of Corpus/Capital fund by Rs.6.44 crore.

**A.1.3.3** This includes lapsed deposits worth Rs.2.75 lakh unclaimed for more than three complete account years, which required to be reviewed and written back, if need so.

**A.1.3.4** This does not include provision for balance (50%) payable amount of Rs. 28.56 lakh to Employees Provident Organisation in compliance to a Court order, which resulted in understatement of Current Liabilities & Provisions and corresponding overstatement of Corpus/Capital fund by Rs.28.56 lakh.

**A.1.3.5** This does not include provision for balance amount of Rs.4.55 lakh payable to Warangal Municipal Corporation (WMC) towards property tax. This had resulted in understatement of Current Liabilities & Provisions and corresponding overstatement of Corpus/Capital fund by Rs.4.55 lakh.

**A. 2. Assets**

**A.2.1. Fixed Assets – Rs. 190.59 crore (Schedule-8)**

**A.2.1.1** This does not include value of Buildings completed but not capitalized of Rs.11.27 crore, which resulted in overstatement of Capital works-in-Progress and understatement of Fixed Assets by Rs.11.27 crore.

**A.2.1.2** This does not include assets purchased out of earmarked funds, Rs.25.94 lakh, which resulted in understatement of Earmarked Fund account and Fixed Assets by Rs.25.94 lakh.

**A2.1.3** The Fixed Assets shown at a value of Rs.173.34 crore as on 31<sup>st</sup> March of the year were exhibited at its book value without providing any depreciation over a period of years inspite of repeated audit comments, which resulted in gross overstatement of Net Asset value (could not be quantified due to non-adoption of any depreciation rates).

**A.2.2 Investments – Rs. 56.55 crore (Schedule-9)**

**A.2.2.1** This does not include fixed deposit amount of Rs.86.12 lakh in respect of Earmarked fund account {GOI-MOUD-Center of Excellence- Prof. CSRK} incorrectly classified as revenue expenditure, which resulted in understatement of Current Assets and Earmarked Fund account by Rs. 86.12 lakh.

**A.2.3. Current Assets, Loans, Advances etc.-Rs.18.06 crore (Schedule-11)**

**A2.3.1** Non-Plan Grants of Rs.4 crore sanctioned but not received during the year was incorrectly accounted for as receivables under Current Assets instead of on realization basis. This had resulted in overstatement of Current Assets and also Corpus /Capital fund to the extent of Rs.4 crore.

**A.2.3.2** This does not include reimbursement of tuition fee amount, Rs.55.77 lakh receivable from Government of Andhra Pradesh, which resulted in understatement of Current Assets & Income and overstatement of Deficit by Rs.55.77 lakh.

**A.2.3.3** This includes expenditure of Rs.68.53 lakh incurred by CPWD for Deposit works still shown as advances, which resulted in overstatement of Current Assets and understatement of Works-in-Progress by Rs.68.53 lakh.

**A.2.3.4** Difference of Rs.1.37 lakh between bank balance of Rs.13.53 crore as per Bankers certificate and the pass book balance of Rs.13.51 crore needs to be reconciled.

**B. Consolidated Income and Expenditure**

**B.1. Income: Rs.50.92 crore**

**B1.1** This does not include unspent balances of closed courses amounting to Rs.2.43 crore incorrectly accounted for under Earmarked Fund as "College resource fund (Self Generation)", which resulted in overstatement of Earmarked fund account and understatement of Income and Corpus /Capital fund by Rs.2.43 crore.

**B.1.2** Accrued interest of Rs.51.35 lakh due in respect of investments was not accounted for in the annual accounts, which resulted in understatement of Income & Current Assets and overstatement of Deficit by Rs.51.35 lakh.

**B.1.3.** This includes prior period income (2009-10) amounting to Rs.40.31 lakh collected towards license fee, registration fee etc not accounted for as claims receivable in the previous year, which resulted in overstatement of Income for the year and understatement of Deficit for the year by Rs.40.31 lakh.

- B.1.4.** This does not include Interest earned, Rs.5.54 lakh on fixed deposits matured during the year, which resulted in understatement of Income as well as bank balances /cash in hand by Rs.5.54 lakh. This has also resulted in understatement of Corpus/Capital Fund and overstatement of Deficit by Rs.5.54 lakh.
- B.1.5.** Amounts due from the occupants of staff quarters, Rs.3.13 lakh towards license fee, electrical charges etc at the end of the year were not accounted for as accrued income, which resulted in understatement of income and Current Assets and overstatement of Deficit by Rs.3.13 lakh.
- B1.6** Amount of received towards Sanitation Charges, Rs.1.08 lakh was shown under Earmarked / Endowment Fund instead of under Revenue Income, which resulted in understatement of Income & Corpus /Capital fund and overstatement of Earmarked / Endowment Fund by Rs.1.08 lakh.
- B.2. Expenditure: Rs.52.70 crore**
- B.2.1.** This includes an amount of Rs.49.63 lakh incurred towards expenditure for 1Gbps connectivity of the National Knowledge Network (NKN) not amortized over a period of five years, though stipulated as per Uniform Format of Accounts, which resulted in overstatement of expenditure & deficit and understatement of Assets and Corpus/Capital fund by Rs.39.70 lakh.
- B.2.2.** This includes prior period (2009-10) expenditure of Rs.51.32 lakh incurred towards other administrative expenses and property tax due to non-creation of provision in the earlier year, which resulted in overstatement of Expenditure /Deficit for the year and understatement of prior period expenses by Rs.51.32 lakh.

**B2.3.** This includes prepaid expenses of Rs.1.68 lakh towards Medical insurance for the month of April 2011, which resulted in overstatement of Expenditure & Deficit and understatement of Current Assets & Corpus /Capital fund by Rs.1.68 lakh.

**C. General**

1. The Institute continued to follow cash basis of accounting in respect of all revenue and expenses which was against the generally accepted Accounting Principles of accrual accounting.
2. The institute did not disclose in the Significant Accounting policies, the basis for valuation of fixed assets, the policy adopted for capitalization of completed works, treatment of CPWD deposit works during different stages, conversion or translation of foreign currency items and treatment of contingent liabilities.
3. Though the Institute received grants of Rs.3.60 crore on behalf of new NIT at New Delhi, a suitable disclosure towards the extent of future liability of the Institute in respect of this amount was not made in 'Note on Accounts'.
4. The Accumulated liability on payment of interest to Government of India on the balance amount of loan of Rs.48.52 lakh was not provided for in the accounts.
5. Non-Plan grant of Rs.90.31 lakh received during the year 2002-03 from Government of Andhra Pradesh was still exhibited as unutilised amount under Current liabilities.
6. An amount of Rs. 0.31 lakh to be refunded to retired official was incorrectly classified under "statutory liabilities" instead of under the head "other liabilities" on the liabilities side.

7. The nature of additions for an amount of Rs.8.63 crore shown as accumulated balance under "Other Additions" in respect of all Earmarked fund accounts was not specified/disclosed in the Annual Accounts.
8. Deposit with CPWD of Rs.95.72 lakh shown in the accounts was not confirmed/ reconciled by the CPWD.
9. The Institute had not maintained separate accounts for General Provident Fund and New Pension Scheme despite repeated comments in previous audits.
10. The Institute did not append to the Annual Accounts, Schedule of investments in respect of GPF & NPS fund accounts along with certificate of physical verification of all investments.
11. No action was taken by the Institute for adjustment of the advances of Rs.2.36 lakh outstanding for more than one year.
12. No action was taken by the Institute for pursuance with bank in respect of the following discrepancies in the bank reconciliation statements even after lapse of one year:
  - a. Amounts for the period up to 2009-10 (Rs.2.82 lakh) directly credited by bank and not credited in cash book.
  - b. Deposits made by the Institute for the period up to 2009-10 (Rs.0.42 lakh) not credited by bank but credited in cash book.
  - c. Amounts for the period up to 2009-10 (Rs.5.81 lakh) directly debited by bank but not debited in cash book.

13. No action was taken for renewal of Bank Guarantees for an amount of Rs.11.30 crore with the Institute, though the validity period had expired thereby putting the contractual obligations under risk.
14. Unspent balance of Rs.0.51 lakh in respect of Continuing Education programme under Earmarked /Endowment Fund was lying idle since last four years.

**D Lack of Response to Audit Comments**

Audit comments were issued to the Institute on 26.09.2011 with a request to furnish the replies within 15 working days, but no reply was received.

**E. Net effect of Audit Comments on accounts**

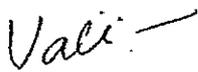
The net impact of audit comments given in preceding paragraphs is overstatement of Liabilities by Rs.2.76 crore, Assets by Rs.1.30 crore and overstatement of Deficit by Rs.1.68 crore.

**F. Grants-in-Aid**

The Institute is financed mainly by Grants from Ministry of Human Resource Development, Government of India. Out of total Grants-in-aid of Rs.93 crore (Plan:Rs.65 crore and Non-Plan:Rs.28 crore) received during the year along with unspent balance of previous year amounting to Rs.15.22 crore, the Institute utilized a sum of Rs.68.59 crore (Non-plan: Rs.51.64 crore and Plan:Rs.16.95 crore) leaving a balance of Rs.39.63 crore un-utilized as on 31 March 2011.

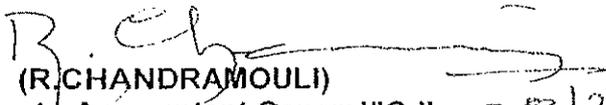
- v. Subject to our observations in the preceding paragraphs, we report that the Balance sheet and Income & Expenditure Account /Receipts & Payments Account dealt with by this report are in agreement with the books of accounts.
- vi. In our opinion and to the best of our information and according to the explanations to the extent 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 Annexure to this Separate Audit 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 National Institute of Technology, Warangal as at 31 March 2011; and
- b. In so far as it relates to Income & Expenditure Account, of the Deficit for the year ended on that date.

Date: 28.10.2011.

  
(VANI SRIRAM)  
Accountant General (Civil Audit)  
Andhra Pradesh

**Annexure to Separate Audit Report**

1. **Adequacy of Internal Audit System:** There is no Permanent Internal Audit Wing in the Institute. However, internal audit of Institute was entrusted to the Chartered Accountants, M/s. Tota Karunakar & Co, Warangal for the year 2010-11.
  
2. **Adequacy of Internal Control System:** The Internal Controls need to be strengthened.
  
3. **System of Physical verification of fixed assets:** Physical verification of fixed assets was not conducted for the year and Consolidated Fixed Assets Register was also not maintained.
  
4. **Physical verification of Inventory:** Physical verification of inventory was not conducted for the year.
  
5. **Regularity in payment of statutory dues:** Statutory dues are being paid regularly.

  
(R. CHANDRAMOULI)  
Deputy Accountant General/IC-II 28/3/12

**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. **NIL** /- 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 Some of the funds incurred expenses resulting in negative balances, which was shown under schedule – 11 under Asset side as Receivable.
- 15 All remaining finding have been executed during the financial year 2010-2011
- 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 2011-12.

**NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL**  
**CONSOLIDATED BALANCE SHEET AS AT 31-03-2011**

(Amount in Rupees)

	SCHEDULE	Current Year	Previous Year
<b><u>CORPUS/ CAPITAL FUND AND LIABILITIES</u></b>			
Corpus/Capital Fund	1	1126905464	1131900385
Reserves and Surplus	2	2565400000	1915400000
Earmarked/Endowment Funds	3	323038973	317027476
Secured Loans and Borrowings	4	0	0
Unsecured Loans and Borrowings	5	4851955	4851955
Deferred Credit Liabilities	6	0	0
Current Liabilities and Provisions	7	74042499	77430765
<b>TOTAL</b>		<b>4094238891</b>	<b>3446610581</b>
<b><u>ASSETS</u></b>			
Fixed Assets (Capital Assets)	8	1905908476	1884133787
--- Capital Work in Progress	8	1305521841	1157495443
Investments - From Earmarked / Endowment Funds	9	565478664	79671499
Investment – Others	10	136700000	135800000
Current Assets, Loans, Advances Etc.	11	180629910	189509852
Miscellaneous Expenditure (to the extent not written off or adjusted)			
<b>TOTAL</b>		<b>4094238891</b>	<b>3446610581</b>
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 31-03-2011**

SCHEDULE - 1 - CORPUS / CAPITAL FUND		Main College	PF Details	TEQIP Details	Total
	Balance as at the beginning of the year	817170456	142277878	172452051	1131900385
Add:	Contributions towards Corpus/Capital Fund	0	31863478	0	31863478
Add:	Contributions 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	-17759011	0	0	-17759011
Less:	Interest surplus to the end of the scheme transferred to NIT Warangal	0	0	0	0
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	0	0	0	0
Less:	Payments during the year out of Capital Fund	0	-19099388	0	-19099388
	<b>TOTAL</b>	<b>799411445</b>	<b>155041968</b>	<b>172452051</b>	<b>1126905464</b>

SCHEDULE - 2 - RESERVES AND SURPLUS		Main College	PF Details	TEQIP Details	Total
<b>1</b>	<b>Capital Reserve:</b>				
	As per the last account	1915400000	0	0	1915400000
	Add: Additions during the year	650000000	0	0	650000000
	Add: Additions during the previous year adjusted during 07-08 as per	0	0	0	0
	C&AG Advise				
<b>2</b>	<b>Revaluation Reserve:</b>	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
<b>3</b>	<b>Special Reserve:</b>				
	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
<b>4</b>	<b>General Reserve:</b>				
	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
	<b>TOTAL</b>	<b>2565400000</b>	<b>0</b>	<b>0</b>	<b>2565400000</b>

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL					
SCHEDULES FORMING PART OF CONSOLIDATED BALANCE SHEET AS AT 31-03-2011					
	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
	<b>TOTAL</b>	<b>4851955</b>	<b>0</b>	<b>0</b>	<b>4851955</b>
	SCHEDULE - 7 - CURRENT LIABILITIES AND PROVISIONS	Main College	PF Details	TEQIP Details	Total
A)	<b>CURRENT LIABILITIES</b>				
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)	-184	0	0	-184
	--- Professional Tax	144538	0	0	144538
	---Sales Tax Provision	113967	0	0	113967
	---Labour Commissioner (CESS)	786792	0	0	786792
	--- EPF	-441	0	0	-441
	--- Income Tax	393449	0	0	393449
	--- Provident Fund Subscription	3878	0	0	3878
6)	Other Liabilities				
	---Payable to AP State Govt.	1188468	0	0	1188468
	--- Lab & Library Deposit	23419300	0	0	23419300
	--- Earnest Money Deposit	33379471	0	770	33380241
	--- Other Deposits	1316651	0	0	1316651
	--- Deposit for Rent and Other Service Charges	2000	0	0	2000
	--- Admission Deposit	450664	0	0	450664
	--- Library Deposit	0	0	0	0
	--- Security Deposit	0	0	0	0
	---NIT Stores Co-Operative Stores Deposit	389986	0	0	389986
	--- 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
	<b>TOTAL : (A)</b>	<b>73930761</b>	<b>0</b>	<b>770</b>	<b>73931531</b>

B)	<b>PROVISIONS</b>				
1)	<b>For Taxation</b>				
	--- Sales Tax Payable				
2)	<b>Gratuity</b>				
3)	<b>Superannuation / Pension</b>				
4)	<b>Accrued Leave Encashment</b>				
5)	<b>Trade Warranties / Claims</b>				
6)	<b>Others (specify)</b>				
	.....Other Deposits Account	0	0	0	0
	.....Interest Suspense Account	0	110968	0	110968
	<b>TOTAL : (B)</b>	0	110968	0	110968
	<b>TOTAL : (A) + (B)</b>	73930761	110968	770	74042499

SCHEDULE - 8 - FIXED ASSETS					
Particulars		Main College	PF Details	TEQIP Details	Total
<b>A.</b>	<b>FIXED ASSETS</b>				
1	<b>Land</b>				
	a) Freehold Land	1	0	0	1
	b) Leasehold Land	0	0	0	0
2	<b>Buildings</b>				0
	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	<b>Plant, Machinery and Equipment</b>	290427094	0	104287799	394714893
4	<b>Vehicles</b>	2678648	0	0	2678648
5	<b>Furniture, Fixtures</b>	55400265	0	5305346	60705611
6	<b>Office Equipment</b>	0	0	8424982	8424982
7	<b>Computer/Peripherals</b>	29291382	0	11740161	41031543
8	<b>Electric Installations</b>	340000	0	0	340000
9	<b>Library Books &amp; Learning Resources</b>	13769720	0	27992243	41761963
10	<b>Tubewells and Watersupply</b>	0	0	0	0
11	<b>Other Fixed Assets</b>	3138550	0	0	3138550
12	<b>Work in progress</b>	0	0	0	0
	<b>TOTAL</b>	<b>1733455655</b>	<b>0</b>	<b>172452821</b>	<b>1905908476</b>

**NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL**  
**SCHEDULES FORMING PART OF CONSOLIDATED BALANCE SHEET AS AT 31-03-2011**

(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 (Endowments)	3202789	0	0	3202789
	--- Fixed Deposit with bank	480000000	0	0	480000000
	--- Corpus Fund	69665472	0	0	69665472
	--- Maintenance Fund	3638629	0	0	3638629
	--- Depreciation Fund	5014868	0	0	5014868
	--- Staff Development Fund	3956906	0	0	3956906
<b>TOTAL</b>		<b>565478664</b>	<b>0</b>	<b>0</b>	<b>565478664</b>
(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	136700000	0	136700000
	--- Investments in STDR's	0	0	0	0
<b>TOTAL</b>		<b>0</b>	<b>136700000</b>	<b>0</b>	<b>136700000</b>
(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	813833	0	0	813833
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 31-03-2011**

(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	569553		0	569553
	--- Petty Cash Book	199699		0	199699
	--- Fee Account (CASH)	0			0
	--- Imprest with departments	205889	0	0	205889
4)	Bank Balance	0			0
a)	With Scheduled Banks	0			0
	--- On Current Accounts	99331072	0	0	99331072
	--- On Deposit Account (including Margin Money)	0	0	0	0
	Short Term Deposit Account	0	0	0	0
	Fee Account (Bank)	0	0	0	0
	--- Cheques on hand	0	0	0	0
	--- On Saving Accounts	597887	2186757	0	2784644
b)	With Non - Scheduled Banks				
	--- On Current Accounts	0			0
	--- On Deposits Account	0			0
	--- On Saving Accounts	0			0
5)	Post Office Saving Accounts				
6)	Contributions receivable towards Capital and Non-Plan Grant at the end of 03/11	4000000	0	0	4000000
	<b>TOTAL : (A)</b>	<b>141819065</b>	<b>2186757</b>	<b>0</b>	<b>144005822</b>
B)	LOANS,ADVANCES AND OTHER ASSETS				
1)	Loans :				
a)	Staff :				
	--- Festival Advances	222600	0	0	222600
	--- Marriage Advances	0	0	0	0
	--- Others(Specify) TA /DA Advance	0	0	0	0
	--- Others Advances for FLC	0	0	0	0
	--- LTC Advance	116418	0	0	116418
b)	Other Entities engaged in activities / objectives similar to that of Entity				
c)	Others (Specify)				
	--- Deposit with Other Departments	4453512	0	0	4453512
	--- Other Departments of Institute/Contractors including CPWB	13443369	0	0	13443369

**NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL**  
**SCHEDULES FORMING PART OF CONSOLIDATED BALANCE SHEET AS AT 31-03-2011**

(Amount in Rupees)

SCHEDULE - 11 - CURRENT ASSETS, LOANS, ADVANCES		Main College	PF Details	TEQIP Details	Total
B)	LOANS, ADVANCES AND OTHER ASSETS (Contd.....)				
2)	Advances 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	16266179	0	16266179
d)	Others (includes income due unrealised Rs.....)				
4)	Claims Receivable				
	--- Due from Government of India (AICTE)				
	(a) PG Scholarship/Stipend	1399955	0	0	1399955
	(b) PR Contingent Expenditure	5191	0	0	5191
	(c) AICTE QIP Non - Plan	550822	0	0	550822
	(d) Medical Insurance Premiums receivable	165082			165082
	(e) ISTE - STTP NV. Uma Mahesh	960			960
	(d) PR Library Grant	0			0
<b>TOTAL : (B)</b>		<b>20357909</b>	<b>16266179</b>	<b>0</b>	<b>36624088</b>
<b>TOTAL : (A) + (B)</b>		<b>162176974</b>	<b>18452936</b>	<b>0</b>	<b>180629910</b>

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL  
CONSOLIDATED RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31-03-2011

(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	348130230	398102262
	--- Main Cash Book	302868	1917081		b) Administrative Expenses	168257562	133181198
	--- Petty Cash Books	151054	140739				
	--- Imprest with Departments	135950	54400	II.	Payments made against Funds for		
	--- Fee Account (Cash)	1867892	0		Various Projects	119291287	92376432
	b) Bank Balance						
	--- In Current Accounts	151327644	23677375				
	--- In Deposit Accounts	0	0				
	--- Savings Accounts	448456	8251946	III.	Investments and deposits made		
II.	Grants /Subscription/Fund recd				a) Out of Earmarked/Endowment Fund	150000	1300000
	--Towards Capital Grant	650000000	947400000		b) Out of Own Funds	1225675875	460238618
	--Towards Revenue Exp.	280000000	390448000		c) Interest accrued on investments	10498582	
	--PF Subscription received	21211503	28529873	IV.	Expenditure on Fixed Assets & CWIP	169801087	1071728704
	--Endowment Fund received	0	1450000				
III.	Income on Investments from			V.	Refund of Surplus Money / Loans	0	69397844
	a) Earmarked/Endowment Funds	298168	256458				
	b) Own Funds (other Inv)	0	0	VI.	Finance Charges		
IV.	Interest Received			VII.	Other payments	93894277	343902840
	a) On Bank Deposits	15251787	19383244				
	b) Loans,Advances etc. (Only of college)	0	0	VIII.	CLOSING BALANCES		
	--- Rents from Hostels	18161115	16899397		a) Cash in Hand		
	--- Licence Fee (Staff Quarters)	697471	493821		--- Main Cash Book	569553	302868
	--- Rents from Guest House	368138	862800		---Fee Account(Cash)	0	1867892
	--- Revenue Receipts from UG course	114030665	102105643		--- Petty Cash Books	199699	151054
	--- Revenue Receipts from MCA	0	0		--- Imprest with Departments	205889	135950
	--- Revenue Receipts from PG course	41339686	32084432		b) Bank Balance		
					--- In Current Accounts	99331072	151327644
V	Other Income (TEQIP)	0	4000		--- In Deposit Accounts	0	0
VI	Amount Borrowed	0	63890000		--- Savings Accounts	2784644	448456
VII.	Any Other Receipts	943197360	1086612553				
	<b>TOTAL</b>	<b>2238789757</b>	<b>2724461762</b>		<b>TOTAL</b>	<b>2238789757</b>	<b>2724461762</b>

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	302868	0	0	302868
	--- Petty Cash Book	151054	0	0	151054
	--- Imprest with departments	135950	0	0	135950
	--- Fee Account (Cash)	1867892	0	0	1867892
2)	Bank Balance				
	With Scheduled Banks				
	--- On Current Accounts	147645806	0	3881838	151527644
	---				
	--- On Saving Accounts	195313	253143	0	448456
Item No. 2					
Grant Received		Main College	PF Details	TEQIP Details	Total
a) From Govt. of India (College)					
	--- Towards Capital Fund	650000000	0	0	650000000
	--- Towards Revenue Exp	280000000	0	0	280000000
	b) Grants received by TEQIP	0	0	0	0
	c) Staff Subscription towards PF	0	18414590	0	18414590
	d) Institute Contribution towards PF	0	2796913	0	2796913
	c) Endowment Fund received (College)	0	0	0	0
TOTAL		930000000	21211503	0	951211503
Item No. 3					
Income on Investments from					
	a) Earmarked / Endowments fund	298168	0	0	298168
	b) Own funds	0	0	0	0
Item No. 4					
Interest Received		Main College	PF Details	TEQIP Details	Total
On Bank Deposits		4031706	11220081	0	15251787
Interest on STDRs		0	0	0	0
Interest on Saving Accounts		0	0	0	0
TOTAL		4031706	11220081	0	15251787

## Enclosure to Consolidated Receipts and Payments

## Item No. 7 of Receipts

Any other Receipts		Main College	PF Details	TEQIP Details	Total
--- Under Funded Accounts		100076630	0	0	100076630
--- Other Deposit Accounts		15467904	0	0	15467904
--- Investments Accounts		742678449	0	0	742678449
--- Advances Accounts		22440530	0	0	22440530
--- Other Items (St.Liabilities)		59294348	0	0	59294348
--- Purchases Accounts		739499	0	0	739499
--- Realisation of STDRs /FDRs		0	2500000	0	2500000
--- 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	0	0
<b>TOTAL</b>		<b>940697360</b>	<b>2500000</b>	<b>0</b>	<b>943197360</b>
<b>PAYMENT SIDE</b>					
<b>Item No.1</b>					
<b>Expenses</b>		<b>Main College</b>	<b>PF Details</b>	<b>TEQIP Details</b>	<b>Total</b>
a)	Establishment Expenses	348130230	0	0	348130230
b)	Administrative Expenses	168257562	0	0	168257562
<b>TOTAL</b>		<b>516387792</b>	<b>0</b>	<b>0</b>	<b>516387792</b>
<b>Item No.2</b>					
<b>Payment made against Funds for Various Projects</b>		<b>Main College</b>	<b>PF Details</b>	<b>TEQIP Details</b>	<b>Total</b>
a)	--- towards various funded accounts	100191899	0	0	100191899
b)	--- Staff Subscription	0	19099388	0	19099388
	--- Institute Contribution				
<b>TOTAL</b>		<b>100191899</b>	<b>19099388</b>	<b>0</b>	<b>119291287</b>
<b>Item No.3</b>					
<b>Investment and deposits made out of own funds</b>		<b>Main College</b>	<b>PF Details</b>	<b>TEQIP Details</b>	<b>Total</b>
Investment and deposits made out of own funds		1222275875	3400000	0	1225675875
<b>TOTAL</b>		<b>1222275875</b>	<b>3400000</b>	<b>0</b>	<b>1225675875</b>

## Enclosure to Consolidated Receipts and Payments

## Item No.4 of Payment side

Expenditure on Fixed Assets & CWIP	Main College	PF Details	TEQIP Details	Total
Expenditure on Fixed Assets & CWIP	169801087	0	0	169801087
<b>TOTAL</b>	<b>169801087</b>	<b>0</b>	<b>0</b>	<b>169801087</b>

## Item No. 7

Any other Payments	Main College	PF Details	TEQIP Details	Total
--- Other deposits Account	21352186	0	0	21352186
--- Other Liabilities (St.Liabilities)	58411737	0	0	58411737
--- Purchases Accounts	1342438	0	0	1342438
--- Advances Accounts	12747916	0	0	12747916
--- Endowment Payments	40000	0	0	40000
--- 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	0	0
--- Refund of EMD	0	0	0	0
--- Advance FLC	0	0	0	0
<b>TOTAL</b>	<b>93894277</b>	<b>0</b>	<b>0</b>	<b>93894277</b>

PAYMENT SIDE					
Item No. 8					
Closing Balances		Main College	PF Details	TEQIP Details	Total
1)	a) Cash in Hand				0
	--- Main Cash Book	569553	0	0	569553
	--- Petty Cash Books	199699	0	0	199699
	--- Fee Account (Cash)	0	0	0	0
	--- Imprest with Departments	205889	0	0	205889
2)	b) Bank Balance	0	0	0	0
	--- In Current Accounts	99331072	0	0	99331072
	--- In Deposit Accounts	0	0	0	0
	--- Savings Accounts	597887	2186757	0	2784644
	--- Fee Bank Account (Current a/c)	0	0	0	0
	--- Cheques on Hand	0	0	0	0
	<b>TOTAL</b>	<b>100904100</b>	<b>2186757</b>	<b>0</b>	<b>103090857</b>

## NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL

## CONSOLIDATED INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31-03-2011

(Amount in Rupees)

	SCHEDULE	Current Year	Previous Year
<b>INCOME</b>			
Income from Sale/Services	12	0	0
Grants/Subsidies	13	320000000	292890000
Fees / Subscriptions	14	145896020	119425809
Income from Investments (Income on Investment from earmarked/ Endowment funds transferred to funds)	15	0	0
Income from Royalty	16	0	0
Interest Earned	17	14595000	18210048
Other Income	18	28701055	33024284
Increase/(decrease) in Stock of Finished goods and work-in-progress	19	0	0
<b>TOTAL (A)</b>		<b>509192075</b>	<b>463550141</b>
<b>EXPENDITURE</b>			
Establishment Expenses	20	348130230	398102262
Other Administrative Expenses	21	178909537	143236780
Expenditure on Grants, Subsidies etc.	22	0	0
Interest	23	0	0
Depreciation (Net total at the year-end corresponding to schedule - 8)		0	0
<b>TOTAL (B)</b>		<b>527039767</b>	<b>541339042</b>
Balance being excess of Income over Expenditure (A-B)		-17847692	-77788901
Transfer to Special Reserve (Specify each)		0	0
Transfer to /from General Reserve		0	0
<b>BALANCE BEING SURPLUS/(DEFICIT) CARRIED TO CORPUS/CAPITAL FUND</b>		<b>-17847692</b>	<b>-77788901</b>
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 31-3-2011

(Amount in Rupees)

SCHEDULE - 17 - INTEREST EARNED		Main College	PF	TEQIP	TOTAL
1)	On Term Deposits				
	a) With Scheduled banks	4031706	10563294	0	14595000
	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
<b>TOTAL</b>		<b>4031706</b>	<b>10563294</b>	<b>0</b>	<b>14595000</b>
(Amount in Rupees)					
SCHEDULE - 18 - OTHER INCOME		Main College	PF	TEQIP	TOTAL
4)	Miscellaneous Income	0	0	0	0
	--- Sale of Application Forms for PG Courses	46700	0	0	46700
	---From Students Hostels	18161115	0	0	18161115
	---From Staff Quarters / Licence Fee	697471	0	0	697471
	---From Guest House	368138	0	0	368138
	--- Issue of Identity Cards	140800	0	0	140800
	---Medical aid and Examination	0	0	0	0
	---Hostel Establishment Charges	0	0	0	0
	--- Other Miscellaneous Receipts	795187	0	0	795187
	--- Electricity & Water Charges from Hostels and Staff Quarters	8491644	0	0	8491644
	--- Training Fee Received	0	0	0	0
	--- Sale of Tender Schedules	0	0	0	0
<b>TOTAL</b>		<b>28701055</b>	<b>0</b>	<b>0</b>	<b>28701055</b>

**NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL**  
**SCHEDULES FORMING PART OF INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR**  
**ENDING 31-3-2011**

(Amount in Rupees)

SCHEDULE - 20 - ESTABLISHMENT CHARGES		Main College	PF	TEQIP	TOTAL
A)	Salaries and Wages	247826713	0	0	247826713
B)	Allowances and Bonus	1710793	0	0	1710793
C)	Contributions to Provident Fund	0	0	0	0
D)	Contributions to Other Fund (Specify)	0	0	0	0
E)	Staff Welfare Expenses				
	--- Hospital and Medical Charges	2691600	0	0	2691600
	--- Livery to Staff		0	0	
	--- Medical Reimbursement Charges	943786	0	0	943786
F)	Expenses on Employees "Retirement and Terminal Benefit Pension Payments"	94957338	0	0	94957338
<b>TOTAL</b>		<b>348130230</b>	<b>0</b>	<b>0</b>	<b>348130230</b>

**NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL**  
**SCHEDULES FORMING PART OF INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDING 31-3-2011**

(Amount in Rupees)

SCHEDULE - 21 - OTHER ADMINISTRATIVE EXPENSES ETC		Main College	PF	TEQIP	TOTAL
a)	Purchases	0	0	0	0
b)	FLC Charges	0	0	0	0
c)	Software Upgradation	0	0	0	0
d)	Electricity and Power and Water charges	29570244	0	0	29570244
e)	Insurance	0	0	0	0
f)	Repairs and Maintenance	11663723	0	0	11663723
g)	Excise Duty	0	0	0	0
h)	Rent, Rates and Taxes	500000	0	0	500000
i)	Vehicles running and Maintenance	848082	0	0	848082
j)	Postages, Telephone and Communication Charges	1101450	0	0	1101450
k)	Printing and Stationery	988491	0	0	988491
l)	Refreshment Expenses	0	0	0	0
m)	Travelling and Conveyance Expenses	0	0	0	0
n)	Miscellaneous Expenses	0	0	0	0
o)	Expenses on Fees	0	0	0	0
p)	Auditors Remuneration	69675	0	0	69675
q)	Hospitality Expenses	0	0	0	0
r)	Professional Charges (Legal Charges)	192000	0	0	192000
s)	Advertisement and Publicity	1568478	0	0	1568478
t)	Others (Specify)	0	0	0	0
	--- Faculty /Seminar/Simposia/Training of Staff & Faculty Development	296867	0	0	296867
	---Interest paid to Subscribes	0	10651975	0	10651975
	---Training of Faculty	0	0	0	0
	---Operation and Maintenance	0	0	0	0
	--- DOC Contigent Expenses (UG & PG)	4164729	0	0	4164729
	--- Contingent for Special Faculty and allowances	9235690	0	0	9235690
	--- Security Staff Salaries	5410848	0	0	5410848
	--- Stipends /Scholarships	74814076	0	0	74814076
	--- Maintenance of Internet and E-mail	12200282	0	0	12200282
	--- Computer Maintenance Charges	0	0	0	0
	---Guest House – Other Charges	86101	0	0	86101
	--- 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	14689066	0	0	14689066
	--- Other Miscellaneous Charges	857760	0	0	857760
<b>TOTAL</b>		<b>168257562</b>	<b>10651975</b>	<b>0</b>	<b>178909537</b>





**NATIONAL INSTITUTE OF TECHNOLOGY**

**Warangal  
Andhra Pradesh**