ANNUAL REPORT & ANNUAL ACCOUNTS

2011-2012









National Institute of Technology

Warangal, Andhra Pradesh



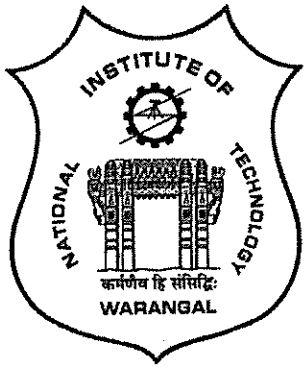


राष्ट्रीय प्रौद्योगिकी संसथान वारंगल- नवम दीक्षांत समारोह में निट वारंगल के बोर्ड ऑफ़ गोवेर्नोर्स के अध्याक्ष प्रो। बी ल दीक्षितुलू और निदेशक प्रो टी श्रीनिवास राव और मेडल्स प्राप्त छात्र छात्राओं भी उपस्थित

NIT Warangal - 9th Convocation held on 27th Aug 2011, along with
Prof. B.L. Deekshatulu, Chairman, BoG and Prof. T. Srinivasa Rao, Director, NITW, Medal winners also seen

Annual Report & Annual Accounts

2011 - 2012



NATIONAL INSTITUTE OF TECHNOLOGY

WARANGAL - 506 004

ANDHRA PRADESH

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National Institute of Technology

WARANGAL - 506004, Andhra Pradesh

CERTIFICATE

Certified that the copies of the enclosed Annual Report and Annual Accounts for the year 2011-2012 have been fully checked and compared with the originals and there are no inaccuracies or omissions in the report

DIRECTOR
National Institute of Technology
Warangal

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL

BRIEF PROFILE OF THE INSTITUTE

Pandit Jawaharlal Nehru, the architect of Modern India, had concieved and implemented the concept of Regional Engineering Colleges for technical advancement and promotion of national integration in the country. He laid the foundation stone for REC Warangal on 10th October 1959. REC Warangal holds the distinction of being the first in the series of RECs established in the country. Now elevated to the status of an NIT, it has the distinction of offering the highest number of postgraduate courses among NITs. The Institute also has the distinction of having produced more than 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 sheen 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 13294 graduates in different branches of technology, 8039 postgraduates and 368 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. 2 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 2011-12 has been excellent. 163 organizations visited the campus and 935 students, almost 75% 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 rennovating 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.

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केंद्रीय ग्रंधालय Central Library



ऑडिटोरियम Auditorium

1.0 INTRODUCTION

1.1 Vision Statement

The National Institute of Technology visions to march towards a global knowledge hub, striving continuously in pursuit of excellence in education, research, entrepreneurship and technological services to the society

1.2 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.

1.3 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.

1.4 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 1st year.
- From 3rd semester onwards, the registration will be organized departmentally under the supervision of the Head of the Department.
- Only those students will be permitted to register who have:
  - Cleared all the dues of the Institute and Hostel in the previous semesters.
  - Paid the prescribed fees for the current semester, and
  - Not been debarred from registering for a specified period on disciplinary or any other ground.
- To be able to register in the second year and continue his/her study in the Institute at the end of the first year, a student must complete satisfactorily at least 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 1st 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 2nd 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.

1.5 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, witnesses some of the memorable milestones along the triumphant march of the institute:

October 10, 1959	Pandit Jawaharlal Nehru laid foundation stone for the College, the first in the chain of NITs (formerly RECs) in the country.
November 10, 1959	Registration of the Society of Regional Engineering College, Warangal
August, 1965	Commencement of UNESCO assistance project.
October, 1972	Change of affiliation of the College from Osmania University to Jawaharlal Nehru Technological University. Academic autonomy conferred on the College.
August 19, 1976	Change of affiliation of the College from JNTU to Kakatiya University.
July, 1978	AICTE grants the status of QIP (Quality Improvement Programme) Centre to the Civil Engineering Department for Ph.D and M.Tech. Programmes
August, 1981	Admission into B.Tech. through Common Entrance Examination for students from Andhra Pradesh.
January, 1990	The College is selected for assistance under UK-INDIA Project.
April, 1994	Commencement of UK - INDIA RECs Project.
January, 1995	Campus LAN installed
October, 1996	Commissioning of a dedicated Internet connectivity through VSAT dish.
October 23-24, 1999	40th Foundation Day Celebrations". His Excellency Dr.C.Rangarajan, Governor of A.P. and General K.V. Krishna Rao (Retd. Chief of Army Staff) graced the occasion by their presence.
July 20, 2001	AICTE grants the status of QIP (Quality Improvement Programme) Centre to the following departments: Ph.D. Programme – Departments of Mechanical Engineering, Chemical Engineering and Mathematics M.Tech. Programme – Departments of Electrical Engineering and the Department of Electronics and Communication Engineering.
July, 2002	Board of Governors resolved to approve the new Memorandum Of Association (MOA) for conversion of Regional Engineering College, Warangal as National Institute of Technology (NIT), Warangal.
September, 2002	Institute renamed as National Institute of Technology, Warangal and conferred the status of Deemed University.
July, 2003	Commencement of admission of students into B.Tech through AIEEE stream
August, 2003	**Change over to IIT Pattern in Curriculum** Development and method of evaluation.

June, 2004	The Institute receives an assistance of Rs. 11.41 crores from the World Bank under TEQIP (Technical Education Quality Improvement Programme).
March 1, 2004	**Ist Convocation of NIT Warangal.** Prof. S.K. Joshi, Chairman, Board of Governors, IIT Roorkee and Former Director General, CSIR delivers the First Convocation address.
January 25, 2008	Bharath Ratna Dr. A. P. J. Abdul Kalam, Former President visits Campus during TECHNOZION
	Honourable Minister Purandeswari, MHRD inaugurates New Computer Centre and lays foundation stone for ultra Mega Hostel
October 10, 2008	NIT (REC) Golden Jubilee Year Celebrations
December 28, 2009	Inauguration of the Centre for Innovation and Incubation.
May 27, 2011	Prof. T. Srinivasa Rao, has assumes charge as the Director of the Institute. It is a happy and momentous coincidence that he is an alumnus of this Institute.
August 27, .2011	8th Convocation of the Institute held at 3.00 PM in the Auditorium, Padmashree Prof. K.L. Chopra, Former Director, Indian Institute of Technology, Kharagpur was the Chief Guest of the function.
September, 22, .2011	Inauguration of TECHNOZION-11 – Prof. Meena, Director General, C-DOC.
January 21, 2012	9th Convocation of the Institute held at 4.30 PM in the Auditorium, Padmashree Prof. S.K. Joshi, Former Director General, CSIR, was the Chief Guest of the function.
March 8, 2012	Inaugural function of Spring Spree-2012 held at the Institute, Sri Ali and Sri Shiva Reddy, film actors were Chief Guest(s).
March 21, 2012	18th Finance Committee and 23rd Board of Governors meeting held.

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 (Academic Affairs), Dean, (Faculty Affairs), Dean (Planning and Development), Dean (Research & Consultancy) and Dean (Students' Affairs). The Chief Warden is the head of the students' hostels. He is in turn assisted by a team of wardens.

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

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

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

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

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

2.5 Academic Programmes

The Institute offers the following programmes:

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

2.6 Courses Offered

Undergraduate Courses (B. Tech.)

Branch	Current Year Intake	Year Sarted in
Civil Engineering	92	1959
Electrical and Electronics Engineering	92	1959
Mechanical Engineering	94	1959
Electronics and Communication Engineering	108	1971
Chemical Engineering	92	1964
Metallurgical and Materials Engineering	62	1965
Computer Science and Engineering	108	1983
Bio-technology	92	2006

Postgraduate Courses: M.Tech.

Department / Specialisation	Current Year Intake	Year Sarted in
Civil Engineering		
1. Engineering Structures	38	1967
2. Transportation Engineering	38	1968
3. Water Resources Engineering	20	1964
4. Geo-Technical Engineering	20	1964
5. Remote Sensing & Geoinformation Systems	20	2000
6. Environmental Engineering	20	2004
7. Construction Techniques & Management	20	2008
Electrical and Electronics Engineering		
1. Power Systems Engineering	38	1964
2. Power Electronics and Devices	38	1964
Mechanical Engineering		
1. Thermal Engineering	20	1964
2. Manufacturing Engineering	20	1966
3. Computer Integrated Manufacturing	20	2000
4. Product Design and Development	20	2000
5. Materials Technology (till 2010-2011)	24	2006
6. Automobile Engineering	20	2008

Department / Specialisation	Current Year Intake	Year Sarted in
Electronics and Communications Engineering		
1. Electronics Instrumentation	20	1966
2. VLSI System Design	20	2001
3. Advanced Communication System	24	2006
Metallurgical and Materials Engineering		
1. Industrial Metallurgy	20	1983
2. Materials Technology (from 2011-2012)	20	2008

Chemical Engineering		
1. Chemical Engineering (Computer Aided Process Equipment Design)	20	1968
Computer Science and Engineering		
1. Computer Science & Engineering	20	1987
2. Information Security	20	2008
3. MCA: Master of Computer Applications	46	1986
School of Management		
1. Master of Business Administration	62	2000

Postgraduate Courses: M.Sc.

Department / Specialisation	Current Year Intake	Year Sarted in
Mathematics		
1. Applied Mathematics	20	1970
2. Mathematics and Scientific Computing	20	2001
Chemistry		
1. Chemistry (Dyes, Drugs, Pharmaceuticals & Pesticides)	24	1977
2 Chemistry (Modern Methods of Chemical Analysis)	24	1999
Physics*		
1. Engineering Physics Applied Mathematics (Photonics, Electronics and Instrumentation)	48	1970

Doctoral programmes (Leading to the degree of PhD)

Ph.D. Programmes are offered in

a) All branches of Engineering
b) Sciences (Mathematics, Physics and Chemistry)
c) Humanities (English Literature, Applied Linguistics and Economics)
d) Physical Education

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

2.7 Admission Procedure

B.Tech.

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

M.Tech

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

Admission to M.Tech is primarily made on the basis of the GATE Scores.
Applicants must qualify in the paper appropriate to the discipline of their qualifying degree if a GATE paper is available in such a discipline. In case of tie in the GATE score, the aggregate marks of the qualifying examination considering all years of study will be the criterion for preference. If there is a further tie, the elder person by age will be given preference.
Candidates must have a minimum of 2 years full time post qualification work experience in the relevant discipline into which admission is sought.

M.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, NITWET.

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, the 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 **CAT/MAT**.

Doctor of Philosophy: 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 2011-2012.

Sl.No.	Branch	Boys	Girls	Total
1	Civil Engineering	77 + 27*	14 + 2*	91 + 29*
2	Electrical & Electronics Engineering	75 + 16*	17 + 4*	92 + 20*
3	Mechanical Engineering	91 + 18*	3	94 + 18*
4	Electronics & Communication Engineering	96 + 11*	12 + 4*	108 + 15*
5	Metallurgical and Materials Engineering	47	09	56
6	Chemical Engineering	70 + 3*	21	91 + 3*
7	Computer Science & Engineering	98 + 25*	10 + 4*	108 + 29*
8	Bio-Technology	69	19 + 1*	88 + 1*
	Total	**623 + 100***	**105 + 15***	**728 +115***

*** Students admitted under DASA scheme**

Number of candidates admitted into First year PG courses during 2011-12 : 568

Number of candidates admitted into Ph.D. courses during 2011-12 : 62

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 belo

Assessment of performance

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

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

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

Grading System

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

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

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

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

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

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

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

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

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

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

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

- Whenever ambiguities arise in interpreting the regulations, the senate of the institute shall have power to make rules or issues clarifications for removing such ambiguities.
- The Academic Regulations should be read as a whole for the purpose of any interpretation. The document regarding academic regulations referred above is only a partial version of the whole document.

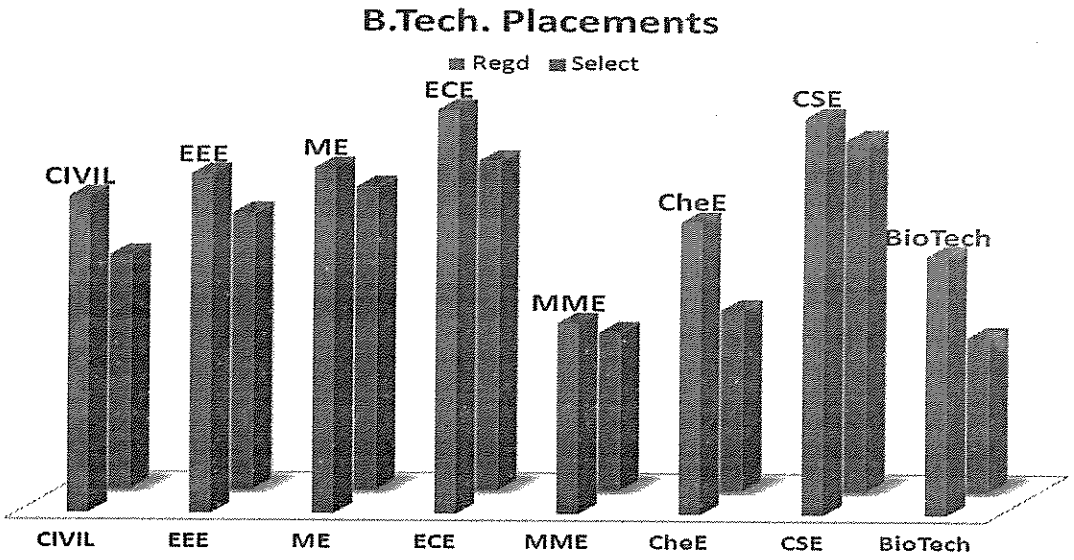
2.10 Placement

The placement activities at the institute:

The institute assists the students in getting placement through Campus selections. The institute attracts a wide range of organizations in the country and also from abroad for placement. During the period **01-07-2011 to 30-06-2012, 163** organizations have visited the campus and offered a total of 935 placements. Among this, 604 are B.Tech. students and 331 are PG students from MCA, M.Tech., M.Sc.and MBA.

BRANCH-WISE BREAK UP OF PALCEMENT OFFERS TO STUDENTS DURING THE ACADEMIC YEAR 2011-12

PLACEMENT STATISTICS			
Course	**Branch**	**No. of students Registered**	**No. of students Placed**
B.Tech	Civil Engineering	96	71
B.Tech	Electrical & Electronics Engineering	103	84
B.Tech	Mechanical Engineering	105	92
B.Tech	Electronics & Communicaiton Engineering	123	100
B.Tech	Metallurgical & Materials Engineering	58	48
B.Tech	Chemical Engineering	89	55
B.Tech	Computer Science & Engineering	121	107
B.Tech	Bio-Technology	79	47
	B.Tech Total:	**774**	**604**
M.Tech	M.Tech., MCA and M.Sc. (all)	**481**	**331**
	Grand Total UG + PG (all)	**1255**	**935**



a) Educational Tours:

In the period of **01-07-2011 to 30-06-2012**, the T&P section facilitated Ten Educational Tours for B.Tech. Students of various departments. The details of the tours are given in the table.

Sl. No	Class Branch	Period of visit	Places of visit
1	II year B.Tech (Civil)	25.11.11 - 26.11.11	Devadula Project Phase II and III, Janagoan, Mulugu
2	II year B.Tech (Civil)	18.2.12	Nagarjuna Cement Factory, Mattampalli, Nalgonda
3	III year B.Tech (EEE)	17.2.12 - 19.2.12	Nagarjuna Sagar Hydro Electric Power Station, and VTPS, Vijaywada
4	III year B.Tech (ECE)	31.3.12 - 8.4.12	SAP India Gurugoan and AIRTEL Noida
5	III year B.Tech (CSE)	31.3.12 - 8.4.12	SAP India Gurugoan and Samsung India, Noida
6	II year B.Tech (MME)	10.2.12 -12.2. 12	Vizag Steel Plant, VIZAG
7	III year B.Tech (Chemical)	30.3.12 – 8.4.12	Swaraj Paints, Delhi, KG Silicates, Chandigarh, Mittal chemicals, Agra
8	III year B.Tech (Biotechnology)	24.11.11 - 28.11.11	Vizag Steel Plant, VIZAG
9	IV year B.Tech (Biotechnology)	15.3.12 -17.3.12	Bath Biotech India, Bangalore
10	III year B.Tech (Biotechnology)	3.4.12 -10.4.12	Novartis Health Care and Rishi Biotechnology, Pune

b) Industrial Training:

During the summer vacation period between 16.05.2012 **to 18-07-2012** a number of industries have offered training. About 100 students of III and II year B.Tech classes have undergone practical training during Summer Vacation of the academic year 2011-2012. Names of some of the major industries / organization in which students have undergone training are listed in the table.

Sl. No	Name & Place of the Company	Branches in which Training was Imparted
1	M/s. Microsoft, Hyderabad	CSE
2	M/s. Amazon, Bangalore	CSE
3	M/s. IBM, Bangalore	CSE, ECE
4	M/s. Hero Honda, Delhi	Mechanical
5	M/s. BHEL, Hyderabad	Mechanical, Chemical

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

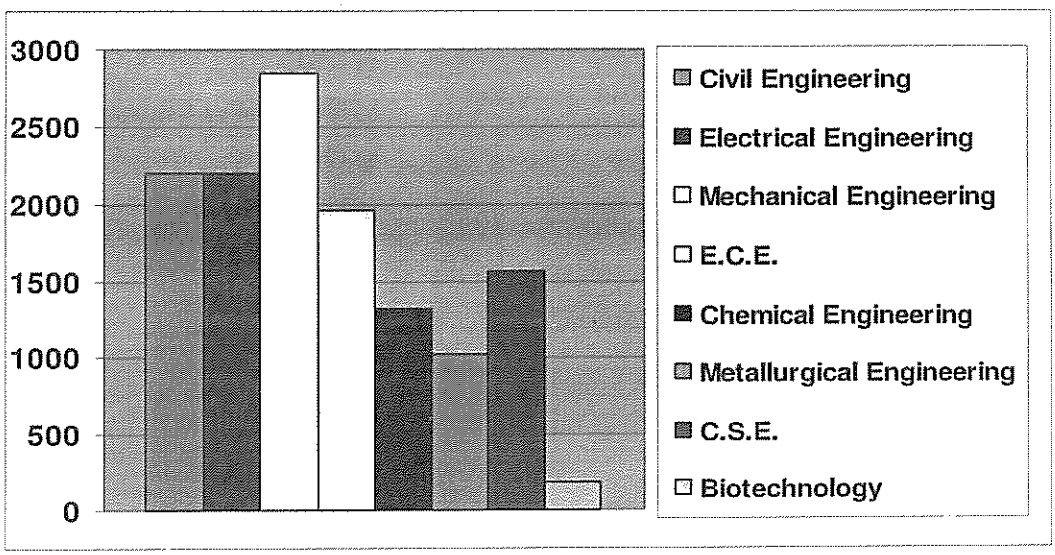
Curriculum

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.

DEGREES AWARDED TILL MARCH, 2012

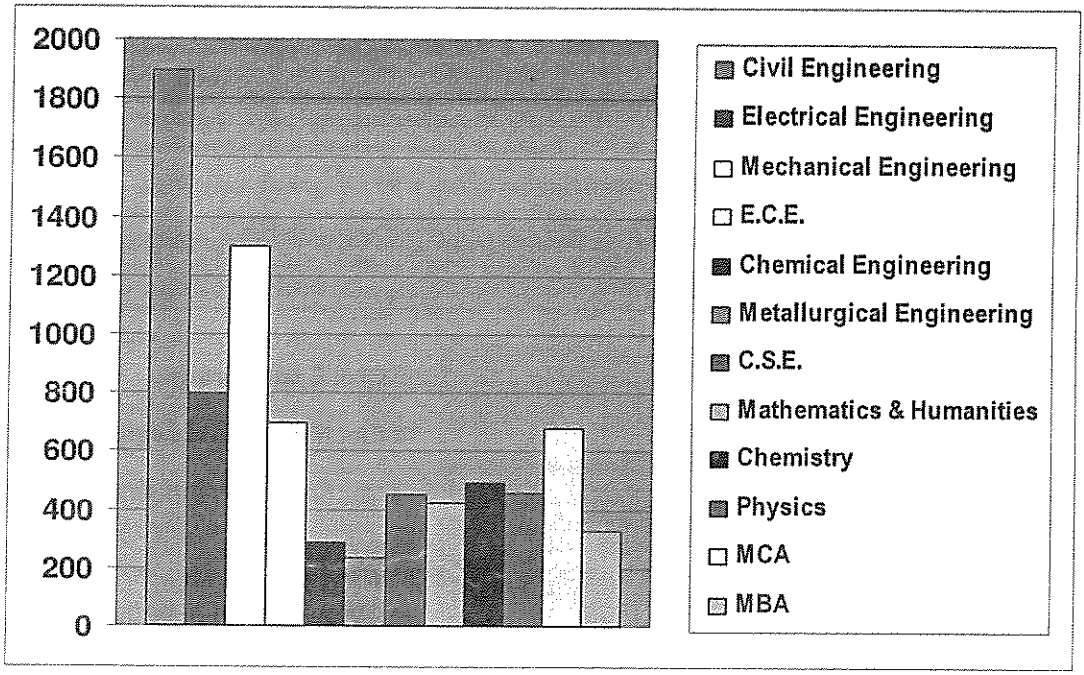
A) B.Tech.

Civil Engineering	2197
Electrical and Electronics Engineering	2200
Mechanical Engineering	2845
Electronics & Communication Engineering	1962
Chemical Engineering	1317
Metallurgical and Materials Engineering	1026
Computer Science & Engineering	1563
Biotechnology	184



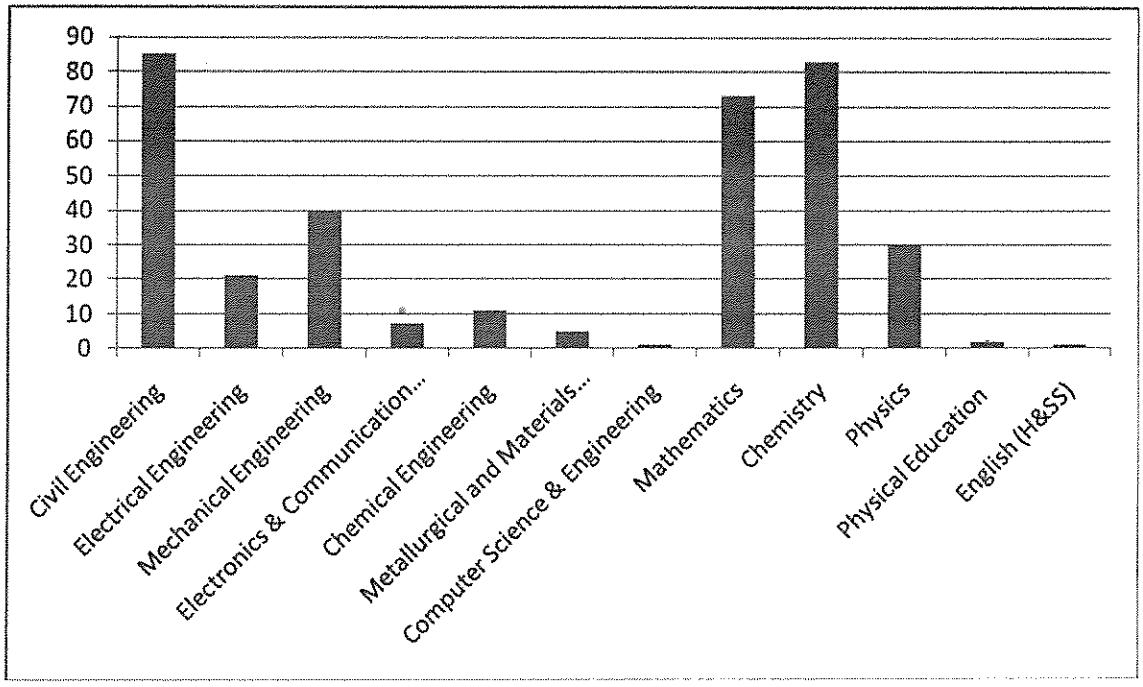
B) M.Tech. / M.Sc. / M.Sc. (Tech) / M.C.A. / M.B.A.

Civil Engineering	1895
Electrical Engineering	798
Mechanical Engineering	1298
Electronics & Communication Engineering	697
Chemical Engineering	289
Metallurgical and Materials Engineering	232
Computer Science & Engineering	451
Mathematics & Humanities	422
Chemistry	490
Physics	459
Master of Computer Application	679
Master of Business Administration	329



C) Doctoral

Civil Engineering	85
Electrical Engineering	21
Mechanical Engineering	40
Electronics & Communication Engineering	07
Chemical Engineering	11
Metallurgical and Materials Engineering	05
Computer Science & Engineering	01
Mathematics	73
Chemistry	83
Physics	30
Physical Education	02
English (H&SS)	01



2.13 R & D Infrastructure

Research

The Institute envisages focusing on interdisciplinary and multidisciplinary research to innovate new design/products/processes and technologies. The Institute would strengthen its linkages with Industry and National/International Research Laboratories and other technological Institutions to promote collaborative research in modern and thrust areas. Interdisciplinary research groups are formed with faculty members from different departments of Engineering and Science.

The Institute has an important objective of strengthening its digital library with all the required research journals, at par with IITs. It proposes to achieve this through 'NIT consortium' on 'Sharing the journal subscription' basis.

The Institute would lay special focus on getting more number of sponsored research projects and improving the quality of out-come of these projects in terms of research publications in journals of high impact factor and patents. The Institute will thus usher into new era of research culture.

Centres of Excellence

The Institute, on its Road Map, has the following research centres of excellence, to be established with expertise and state of art facilities, with funding not only from MHRD but also from sponsored research projects:

- Centre for Advanced and Smart Materials
- Centre for Energy and Environment
- Centre for Automation and Instrumentation
- Centre for Nanoscience and Technology
- Centre for disaster Mitigation and Management

Internal Revenue Generation (IRG) and Corpus Fund

The Institute would strive hard to increase the internal revenue by means of Consultancy Projects and Continuing Education Programmes to faculty from other Engineering Colleges and Technical personnel of the Industries.

Centre for Innovation and Incubation

A Centre for Innovation and Incubation is already established at the Institute with the following objectives:

1. To promote greater industry-academic interaction, by inviting leading industries to set up their research labs at this centre and carry out their research projects by using the talent on the campus.
2. To encourage the first generation entrepreneurs desirous of R&D partnership with NITW or otherwise to establish their research labs at this centre.
3. To promote innovation projects of B.Tech and M.Tech students by providing appropriate facilities, infrastructure and financial assistance.
4. To facilitate the 'on campus interaction' between the scientists of industries and faculty and students of NITW in order to enable orientation of R&D activities of NITW to potential needs of the industry.

Through this centre the institute will facilitate the continuous 'On Campus Interaction' between the Scientists of the Industries and faculty and students of NITW. The Centre will also contribute to revenue generation

The following industries have established their research labs so far:

1. M/s Infosys (Pvt) Ltd., Mysore
2. M/s Future Now Innosoft (Pvt) Ltd., Hyderabad
3. M/s Sky eIT solutions (Pvt) Ltd., Hyderabad

Corpus Fund

The Institute would strive towards building up the 'Corpus Fund' from a part of revenue generated from consultancy projects and donations from the Alumni and other philanthrophists.

Transfer of Technologies (Research → Patents → Transfer of Technologies)

The Institute can fulfill its obligation to the society only by transfer of technologies for the benefit of human kind. The activities of the Centre for Rural Development will be further strengthened. An IPR cell will be established to promote patent culture. A Centre for Technology Transfer will be established in future.

Human Resource Development

New interdisciplinary M.Tech. programmes and B.Tech. programmes will be started in order to meet the demands of the industry and society.

The Institute has placed high priority on making every class room an 'Interactive Class Room'. The best practices in the best Technical Institutions in the world in teaching learning and evaluation methodologies, and updating the curriculum will be emulated.

The Institute would attract competent faculty by following the best practices in recruiting the faculty within the MHRD guidelines frame work. The faculty will be provided academic freedom, conducive environment and necessary facilities to realize their full potential and contribute their best in the three important dimensions of teaching, research and consultancy. The Institute would thus lay emphasis on imparting quality education to develop innovative, entrepreneurial and ethical professionals, to meet the challenges of a globally competitive environment.

Efficient and Transparent Administration

Management Information System will be improved in order to increase the overall efficiency of administration. Systems and procedures will be established to promote freedom associated with responsibility. Decentralization of powers will be affected with all the necessary checks and balances to provide ultimately corruption-free, transparent and just administration to all its stakeholders.

Research and Development Funding

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 2011-12, the funds received towards research projects are shown given below:

DST, CSIR, DIT, DRDO and other Agencies : Rs. 2 crores

No. of research papers published during 2011-12 : 244

Finance Received: (GOI) Plan & Non-Plan : Rs. 44.13 crores

Research Seed Money

An amount of Rs. 200 lakhs has been generously granted by the MHRD as Research Seed Money (RSM) for the year, 2012-2013 for the purpose of providing financial assistance to young and active researchers of the faculty as a seed money for continuing their research with a view to scale up their projects for major proposals with increased scope and budgetary proposals to national funding agencies.

Central Instruments Facility

For the purpose of offering the state of the art research and consultancy sophistication as a central facility has been instituted with several major instruments and equipment.

Memoranda of Understanding (MoUs)

With a view to foster a dynamic and cooperative interaction between the industry and NIT Waranagl, the Institute has been entering into memoranda of understanding on mutually beneficial terms and conditions.

The Institute enjoys such MoUs with the following industries / organizations as on date (March, 2012)

1. With Tata Consultancy Services: The areas of cooperation are: Faculty development programmes, workshops for students, Best student award by TCS, Best Student project awards , Internship of the students in TCS, and two-way transfer of technology information and knowledge through collaboratveR&D Projects, Seminars, symposia and guest lectures.The departments involved, are Computer Science and Engineering, Electronics and Communication engineering, Electricaland Electronics engineering and Civil ngineering(Geospatial technologies).
2. With the Lakshya Foundation: The objective is to nurture and promote the creative talent among the students at both undergraduate and post graduate levels. The area of cooperation is to fund jointly the student innovation projects.This is the new initiative By NIT Warangal.
3. With Municipal Corporation of Warangal: As per this M.o.U, NITW offers consultancy services to Warangal Municipal Corporation in the areas of water quality monitoring, energy audit, performance evaluation of existing systems, feasibility studies of project reports, structural designs, testing of various materials and training of the engineers and technical advisory consultancy in all other areas of expertise available.

Intellectual Property Rights and Patents:

An exclusive cell, **IPR & Patents CELL** is newly established at NIT Warangal with the following objectives.

1. To create awareness about the need and importance of Intellectual Property Rights(IPR) among the faculty and students through periodical workshops.
2. To facilitate filing of applications for patents and other IPR.
3. To recommend financial assistance for filing for IPR by the faculty and students of the Institute.

First Patent being filed on the name of NITW

Though patents were filed by a few individual faculty members earlier, for the first time a patent is being filed on the name of the National Institute of Technology, Warangal for a product namely,'Hovomarine' invented by Mr.Jobi Yeldo,an M.Tech student of the department of Mechanical Engineering.

2.14 Technical Education Quality Improvement Programme-Phase –II (TEQIP– II)

NIT, Warangal was sanctioned TEQIP-Phase II Project by the Government of India with a Total grant of Rs. 12.50 crores. An amount of Rs. 2.00 crores was released as initial installment for the project in the month of June 2011.

The following activities were conducted during the academic year, 2011-2012:

1. **Workshops, Continuing Education Programs and National Conferences**

Sl No	Date		Department	*Work Shop*	Co-ordinator
	From	To			
a) Workshops					
1	28/11/11	28/11/11	Mechanical Engineering	*one day National Workshop on "Frontiers of Materials and Manufacturing Processes"*	1.Prof A V Narasihma Rao
2	19/12/11	21/12/11	Electronics & Communication Engineering	*Three-day workshop on "Speech Signal Processing and Coding"*	1. Prof N S Murthy 2. Dr T Kishore Kumar
3	22/12/11	24/12/11	Electrical Engineering	*Three-day Workshop on "Smart Grid and Integration of Renewable energy resources"*	1. Prof M Sydulu 2. M Sailaja Kumari (Asso. Prof)
4	11/02/12	11/02/12	Civil Engineering	*One day WorkShop on "Geotechnical Engineering in Practice"*	1. Dr P Hari Krishna (Asso. Prof.) 2. Dr V Ramana Murthy (Asso. Prof)
5	16/02/12	18/02/12	Civil Engineering	*Three Day Workshop on "Advances in Flexible Pavement Design"*	1. Prof C S R K Prasad 2. Dr Venkaiah Chowdary Asst. Prof.) 3. D S N V Amar Kumar (Asst.Prof.)
6	17/02/12	18/02/12	Electronics & Communication Engineering	*Workshop on "Modern Antennas: Simulations and Application"*	Prof N V S N Sarma
7	13/04/12	14/04/12	Civil Engineering	*Two days Workshop on "Emerging trends in water supply sector"*	Prof K V Jaya Kumar Dr E Venkat Ratnam
8	18/05/12	20/05/12	Mechanical Engineering	*Three Days Workshop on "Precision Manufacturing and Measurements: Current Trends and Challenges"*	Dr N Selvaraj Dr N Venkaiah Dr M J Davudson
9	18/06/12	29/06/12	Mechanical Engineering Department (Workshop)	*Two Weeks Training Program for Technical Helpers/ At tenders and Store Assistants in the Trades of Fitting, Plumbing, Welding, Machine Shop, Power Tools, Carpentry and House Wiring*	Dr T Sadasiva Rao Asst. Prof

b) Continuing Education Programs					
1	23/01/12	27/01/12	Mechanical Engineering	*Five days Continuing Education Program on "Rapid Prototyping"*	Dr Y Ravi Kumar (Assistant Professor)
2	21/05/12	25/05/12	Civil Engineering	*5-day Continuing Education Program on "Advanced Mapping Techniques for Planning and Management of Resources "*	1. Dr K Venkata Reddy (Asst. Prof.) 2. Dr Deva Pratap (Asso. Prof.)
c) National Conference					
1	29/12/11	30/12/11	Chemistry	*National Conference on "Interface Between Chemical Sciences and Technologies"*	Prof K Laxma Reddy
2	27/01/12	29/01/12	Mathematics	*National Conference on "New Vistas in Computational Fluid Dynamics in Engineering."*	Prof Y.N.Reddy

2. Faculty Training

Under the Scheme: Faculty and Staff Development

Sl.No	Date		Department	Faculty & Staff Development	Name of the Faculty
	From	To			
1	06/02/12		Electrical Engineering	To Participate in one day Training program on "Virtual Labs for Power System Analysis" at IIT Mumbai.	Dr. M Sailaja Kumari
2	12/04/12	15/04/12	Electrical Engineering	National Workshop on "Side Area Monitoring and Control of Power Systems were using Synchro Phasor Technology" at IIT Kanpur.	Prof D M Vinod Kumar
3	11/06/12	15/06/12	Physics Department	To attend on "Smart Materials and Systems" being organized by NIT, Trichy	Dr D Dinakar
4	11/06/12	15/06/12	Electronics & Communication Engg.	To attend short term course on "Analysis and Design of Classical Control System" (ADOCS-12) at IIT, Bombay	Sri Ravi Kumar Jatoth
5	21/06/12	22/06/12	Senior Faculty	To participate in Advantage Andhra Pradesh-2012 (IT/ITES Annual Summit of A.P) at Hyderabad	1.Director 2.Prof B V Appa Rao 3. Prof DVLN Somayajulu
6	29/06/12	30/06/12	BOG members & Faculty members	Two attend two day programme on Management Development conducted by Indian School of Business (ISB, HYD.)	Senior Faculty and BOG Members (25)
7	16/06/12	15/07/12	Mechanical Engineering	To Attend one month R&D Training Rapid Prototyping Center(RPC) " Milwaukee School of Engineering Milwaukee, U.S.A"	Dr. Y Ravi Kumar

Under the Scheme: Research and Development

Sl.No	Date	Department	Research and Development	Name of the Faculty
1	11/11/11	Mechanical Engineering Dept.	"Rapid Prototyping" at Bangalore (discuss about the collaborating project between NIT, Warangal and GTRE).	Dr. Y. Ravi Kumar
2	29/02/12		Expert lectures on "Innovation and Creativity in Engineering fault tolerant and Dependable Systems and Embedded Systems"	Prof. Pratap Reddy, Rochester Institute of Technology, New York
3	01/06/12 to 02/06/12	Electronics & Communication Engg. Dept.	Visit Electronics and Radar Development Establishment (LRDE), Bangalore (presentation on CARS projects in the area of UWB Radar Signal Professing)	Dr. T. Kishore Kumar
4.	05/06/12	Electronics & Communication Engg. Dept.	To visit DLRL, Hyderabad	Prof. NNSN Sarma & Dr. D. Vakula

UNDER the Scheme: OPERATION AND MAINTENANCE

Sl. No	Date		Operation and Maintenance	Name of the Faculty
	From	To		
1	21/11/11	23/11/11	To attend a training workshop on Financial Management in respect of TEQIP-II at NPIU, Noida	Prof. N.S. Murthy, Co-ordinator, TEQIP-II, & Dr. KNS Kasi Viswanadham, Nodal Officer, TEQIP-II
2	16/01/12	28/01/12	To attend International Training Programme on "Procurement for World Bank Funded Projects" organized by NPIU at Faridabad.	Sri S. Chandasekhar, Stores Officer
3	30/01/12	31/01/12	To attend training on PMSS/NPIU at New Delhi	Sri A. Sart Babu, Associate Professor & Sri S. Chandasekhar, Stores Officer
4	14/02/12	15/02/12	To attend training programme on MIS at the College of Engineering , Osmania University, Hyderabad	Prof. DVSS. Siva Sarma, Head Computer Centre, Prof. CSRK. Prasad CED & Prof. DVLN Somayajulu CSE Dept
5	16/02/12	17/02/12	To attend training programme on e-FMR/Financial Management at Osmania University.	Dr. K Padma Associate Professor and DR Accounts

3. Equipment

Sl No	Name of the Equipment	Department
1	Wireless Sensor Network Test Bed	Electronics and Communication Engineering
2	Abrasion Test Rig	Mechanical Engineering

4. Students Support

- Remedial Classes were conducted for B.Tech I year Students having backlog subjects as shown in the ANNEXURE – I & II enclosed.

5. Enhanced interaction with Industry

- Dr. K Balasubramanian, Director, NFTDC Hyderabad has delivered Guest Lecture on 'R & D and Innovation for Sustainable Development on November 28th 2011.

3.0 THE STAFF

The Director: Prof. T. Srinivasa Rao

D.M. **The Faculty**

Department of Civil Engineering

Name / Highest Degree	Areas of Specialization
Professors	
C.B.Kameswara Rao, Ph.D.	Ferro cement, Rural Technology
K.V.Jayakumar, Ph.D. (on Deputation upto 09.01.2012)	Urban Storm Water Management
N.V.Umamahesh, Ph.D. I/c Project Engineering Unit (till 30-6-2012) **Dean Student Affairs** (from 1-7-2012)	Water Resources Systems ANN Fuzzy logic
P.Anand Raj, Ph.D. HOD (upto 10.01.12) **Registrar** (from 1.11.2011 to 3.8.2012)	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. **HOD (from 11.01.12)**	Transportation Demand Modeling Traffic Engineering and Management
D.Deva Pratap, Ph.D. **Faculty I/c Halls of Residence**	Engineering Geology Remote Sensing & GIS
M. Chandrasekhar, Ph.D. Prof I/C T&P from Aug., 2012	Water Quality Management Environment Engineering
Associate Professors	
Mohd. Ali, M.Tech.	Soil Dynamics Aerial Photogrammetry and Remote Sensing
V.N.Kameswara Rao, M.Tech.	Fluid Mechanics, Groundwater
E.V.Rathnam, Ph.D.	Water Resource Engineering, Irrigation
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



सिविल इंजीनियरिंग विभाग
Civil Engineering Department



सिविल इंजीनियरिंग लेबोरेटरी
Civil Engineering Laboratory

Assistant Professors	
M.Heeralal, M.Tech. Lecturer (Selection Grade)	Surveying Building Materials
K. Venkata Reddy, Ph.D.	Remote Sensing and GIS
Venkaiah Chowdhary, Ph.D.	Civil Engg.
P. Hari Prasad Reddy, Ph.D.	Remidical 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, Ph.D.	Experimental studies on the effect of Size of Aggregate and fines on the Strength and Durability Properties of Self Compacting Concrete
K.V.R. Ravi Shankar, Ph.D. (from 2.4.2012)	Modeling of Vehicle-type Dependent Behaviour in Mixed Traffic Conditions.
Ajey Kumar Patel, Ph.D. (from 18.4.2012)	Studies on Surface aeration in circular tanks.
M. Shashi, Ph.D. (from 30.4.2012)	Single Image Restitution using close Range Phototgrammetry.
K. Gopi Krishna, Ph.D. (from 1.6.2012)	Wavelet based Finite Element method for solution of some Transient Problems in Structural Dynamics.
Arun C.O, Ph.D (from 14.6.2012)	Stochastic Meshfree Method for Elasto-Plastic Damage Analysis.
Ganesh Wasudeo Rathod, Ph.D (from 11.4.2012)	Seismic Hazard Assessment and Development of Attenuation Relationship for NCR of Delhi.
D.Ravi Prasad, M.Tech. (from 17.4.2012)	Carbonation and Re Bar Corrosion progressive Assessment in In-service Structures.

Department of Electrical Engineering

Name / Highest Degree	Areas of Specialization
Professors	
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.	AI Techniques in Power Systems, Flexible AC Transmission Systems, Energy Management Systems
D.V.S.S. Siva Sarma, Ph.D. Head (upto 4.9.11)	Power System Transients, FACTS EMTP Applications, Power Systems Protection
N. Subramanyam, Ph.D. **HOD (from 5.9.11)**	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
Associate Professors	
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, M.E.	a. Applied Electronics
A. V. Giridhar, Ph.D (from 10.4.2012)	Investigation of Partial Discharge Activity in Liquid Nitrogen.
Suresh Babu Perli, Ph.D (from 18.4.2012)	Performance Evaluation of Digital Multifunction Relay with Novel Digital Filtering Algorithms.
Udaya Bhasker Manthati, Ph.D (from 10.5.2012 AN)	Design, Analysis and Control of synchrotron power supplies.
Sachin Jain, Ph.D (from 14.5.2012)	Single Stage Grid Connected Photovoltaic Systems with Maximum Power Point Tracking.
A. Kirubakaran, Ph.D (from 21.6.2012)	Investigations on Power Conditioning Unit for Fuel Cell Based Distributed Generation.
P. Srinivasan, M.E. (from 28.3.2012)	Control Strategies for Pulse Width Modulated Multi Level Inverters
Y. Chandrasekhar, M.Tech. (from 29.3.2012)	A Fuzzy Logic Controlled Super Conducting Magnetic Energy Storage for Transient Stability Improvement.
Ch. Ramulu, M.Tech. (from 11.4.2012)	Simulation and Design Analysis of a New ZV– – ZCT – PWM DC – DC - Converter
B.L. Narasimha Raju, M.E. (from 01.06.2012)	Design of Current Mode Controlled 50 kHz Fly-Back Regulator Power Supply for Travelling Wave Tube (TWT)

इलेक्ट्रिकल इंजीनियरिंग विभाग Department of Electrical Engineering



LD & C, PGCIL गुडगाँव के कार्यवाहि निदेशक श्री एन एस सोधा 22 से 24 दिसम्बर 2011 में आयोजित रास्ट्रीय वर्कशॉप 'स्मार्ट ग्रिड एंड इंटीग्रेशन ऑफ़ रिन्यूएवल एनर्जी सोर्सेज - आरंभ करते हुए ; प्रो टी श्रीनिवास राव, निदेशक, एन एई, टी, वरंगल भी उपस्थित

Sri.N.S.Sodha, Executive Director, LD & C, PGCIL, Gurgaon, Inaugurating the National Workshop on 'Smart Grid and Integration of Renewable Energy Resources', during 22-24th, December, 2011.: Prof. T. Srinivasa Rao, Director, also seen



इलेक्ट्रिकल इंजीनियरिंग वर्कशॉप

Electrical Engineering Workshop

Department of Mechanical Engineering

Name / Highest Degree	Areas of Specialization
Professors	
B. Kotiveerachari, Ph.D.	Machine Tools Metal Cutting
R.V. Chalam, Ph.D.	Design Engineering Vibrations
G. Ravindranath Tagore, Ph.D. (Upto 30.11.11)	CNC Systems, Welding Technology Modeling of Manufacturing Systems
K. Madhu Murthy, Ph.D. Registrar (upto 01.11.11)	Thermal Engineering Entrepreneurship Development
A.V. Narashimha Rao, Ph.D. Head (upto 9.2.12)	Combustion, Solar Energy
L. Krishnanand, Ph.D. **HOD (from 10.02.12)**	CAD / CAM, Industrial Engineering
Ch. S. Prakasha Rao, Ph.D.	CIM, Simulation, CAD / CAM
S. Srinivasa Rao, Ph.D. **Prof. I/c T & P (till July 2012)**	Heat Transfer Refrigeration & Air Conditioning
P. Bangaru Babu, Ph.D. **(Co-ordinator SRIC)**	Vibration, FFA Robotics
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
Associate Professors	
G. Venkateswara Rao, M.Tech. **I/c Guest House**	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.	Aluminum Matrix Composites
Adepu Kumar, Ph.D.	Production Engineering
B.Siva Prasad Reddy, Ph.D (from 12.4.2012)	Simultaneous Scheduling of Machines and AGVS in FMS using Genetic Algorithms.
Assistant Professors	
V. Suresh Babu, M.Tech.	Machine Design, Vibrations
A. Veeresh Babu, M.Tech.	Refrigeration & Air-Conditioning, IC Engines
Y. Ravi Kumar, Ph.D.	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
M. Joseph Davidson, Ph.D.	Investigation on thin walled AA6061 tubes formed by low forming process
G. Nagasrinivasulu, Ph.D.	3D CFD Modeling and Thermodynamic Analysis of Proton Exchange Membrane Fuel Cell
K. Kiran Kumar, Ph.D (from 9.4.2012)	Carbon Dioxide based Natural Circulation Loops: Application to Refrigeration and Air Conditioning Systems.
V.Rajesh Khana Raju, Ph.D (from 16.4.2012 AN)	Convection and Centrifugal Instability.
K. Srikanth, Ph.D (from 3.5.2012)	Inspection of Parts with Complex Geometry and Welds with Structural Health Monitoring Techniques.

Department of Electronics and Communication Engineering

Name / Highest Degree	Areas of Specialization
Professors	
K.S.R. Krishna Prasad, Ph.D. **Internal Member, BOG (from 11.11.11)**	VLSI System Design Instrumentation, Imaging
N.S. Murthy, Ph.D. **Dean (P & D); Co-ordinator, TEQIP**	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
C. Buchi Rama Rao, Ph.D.	Digital Signal Processing
K. Ravi Kishore, M.Tech. **Internal Member, BOG (from 1.2.12)**	Digital System Design Computer Networks & VLSI
T. Kishore Kumar, Ph.D.	Digital System Design
Ms. B. Lakshmi, Ph.D. **HOD**	Digital System Design, VLSI
L. Anjaneyulu, Ph.D. **Faculty I/c Telecom Centre**	Classification of Low SNR LPI Radar Signals
K.V. Sridhar, M.Tech.	Digital Signal Processing
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
P. Srihari Rao, M.Tech.	Computer Networks Communications Systems
A. Prakash Rao, M.Tech.	Communication Systems

कंप्यूटर साइंस विभाग Department of Computer Science Engineering



5 से 9 मार्च कंप्यूटर साइंस विभाग में आयोजित पांच दिवसीय कोर्स - डाटा बेस सिक्यूरिटी
5 days Course organized by Computer Science Department on Data Base Security during 5-9 March 2012



कंप्यूटर साइंस विभाग के कंप्यूटर लेबोरेटरी
Computer Laboratory of Computer Science Department

Lecturer (Selection Grade)	
P. Muralidhar, M.Tech.	Electronic Instrumentation
Assistant Professors	
Ms. P. Prithvi, M.Tech.	Electronic Instrumentation
Ms. V. Rama, 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, Ph.D.	Electronics Instrumentation & Engineering

Department of Computer Science & Engineering

Name / Highest Degree	Areas of Specialization
Professors	
T. Ramesh, Ph.D. **Dean, Academic Affairs**	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.	computational Number Theory and Algorithms
S.G. Sanjeevi, Ph.D. **HOD**	Connectionist reasoning models using course coded distributed representations
Associate Professors	
K. Ramesh, M.Tech.	Computer Networks, Distributed Systems, Design Patterns, Frameworks, Information Security
Ch. Sudhakar, M.Tech.	Operating Systems, Parallel Processing
R.B.V. Subramanyam, Ph. D.	Data Mining Techniques for Quantitative Databases
Assistant Professors	
S. Ravichandra, M.Tech.	Software Engineering, OD Databases, Graphics
B. Raju Naik, M.Tech.	Software engineering
t. Rama Krishnudu, M.Tech.	Database Systems and Security
Ms. R. Padmavathy, Ph.D.	Computational Studies on Discrete Logarithm Problem
K.V. Kadambari, Ph.D (from 29.3.2012)	Modelling Interval Distribution of Neural Spike Trains : Entropy Estimation and Information Transmission.
U. Suryanarayana Raju, Ph.D (from 29.3.2012)	New Methods for Extracting Primitives of Textures based on Wavelet Transforms
P. Venkata Subba Reddy, M.E. (from 31.5.2012)	Extraction of Digital Straight Line Segments from Digital Curves.
Rashmi Ranjan Rout, M.Tech. (from 28.6.2012)	A loction-aware cluster Based Hybrid Hierarchical Protocal for Large-Scale PZP Overlay Networks.

Department of Chemical Engineering

Name / Highest Degree	Areas of Specialization
Professors	
G. Venkat Reddy, Ph.D.	Modelling, Simulation & Optimization Fluidized bed combustion, Pollution Control
R. C. Sastry, Ph.D. **Dean, Faculty Affairs (till 30-6-2012)**	Heat Transfer, Two-Phase Flow Optimization, Process Control
Y. Pydi Setty, Ph.D. **HOD**	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. **HOD, Bio-Tech Dept.** (upto 30.11.2011 and from June, 2012	Bio-chemical Engineering, Heat Transfer, Fluid Mechanics
Ms. K. Srivani, M.Tech.	Computer Control of Processes Numerical Analysis
Sonawane Shirish Hari, Ph.D (from 31.5.2012)	Studies on Mechanical and Rheological Properties of Polymer Composite Reinforced Nanoparticles (PNC)
Lecturer (Selection Grade)	
K. Anand Kishore, M.Tech.	Pharmacy, Fine Chemicals
S. Srinath, M.Tech.	Design, Simulation
Assistant professors	
S. Srinu Naik , Ph.D.	Chemical Reaction Engineering
T. Sunil Kumar, Ph.D (from 9.4.2012)	Instability Mechanisms in Micro-Fluidics and Nano-materials

Department of Metallurgical and Materials Engineering

Name / Highest Degree	Areas of Specialization
Professors	
M. Krishna Mohan, Ph.D.	Extractive Metallurgy Sulphides Metallurgy
P. Surya Prakash Rao, Ph.D. **HOD till July, 2012**	Extractive Metallurgy Sulphide Metallurgy
G.V.S. Nageswara Rao, Ph.D.	Surface Engineering, Powder Metallurgy
Associate Professors	
P. Ravinder, M.Tech.	Foundary Metallurgy, Extractive Metallurgy
N. Narasaiah, Ph.D (from 1.5.2012)	Initiation and Growth of Cracks near Fatigue Threshold in Plain Carbon Steels
Assistant Professors	
Ms. C.Vanitha, Ph.D.	Heart differmation & recrystallization

Asit Kumar Khanra, Ph.D.	Powder Technology
V. Rangadhara Chary, M.Tech. (from 26.3.2012)	Diffusion Induced Graion Boundry Migrationin Ag-Zn System

Department of Bio-technology

Name / Highest Degree	Areas of Specialization
Assistant Professors	
Onkar Perumal P, M.Tech. Head, (from 1.6.2012 till May, 2012)	Biotechnology
Korrapati Narasimhulu, M.Tech.	Biotechnology
P. Srinivasa Rao, Ph.D.	Fraternization & Characterization of Engine involved in the Microbial bioconversion of arteannium B2 artenisinin by using streptomycespactum
R. Satish Babu, M.Tech. (from 29.3.2012)	Multiscale approach to fed batch bioreactor control.

Department of Mathematics

Name / Highest Degree	Areas of Specialization
Professors	
T.K.V. Iyengar, Ph.D. (upto 31.1.12)	Fluid Mechanics Optimization Techniques
G. Radhakrishnamacharya, Ph.D. Dean, Student Affairs (till 30.6.2012)	Bio Mechanics, Fluid Mechanics
Y.N. Reddy, Ph.D. **HOD (till June, 2012)**	Numerical Analysis
K.N.S. Kasi Viswanadham, Ph.D. HOD (from July, 2012)	Finite Element Methods, Optimization Techniques
J.V. Ramana Murthy, Ph.D.	Non Newtonian Fluid Mechanics Special Functions
Debashis Dutta, Ph.D.	Operations Research
Assoociate Professors	
N. Srinivasacharyulu, Ph.D. (upto 31.1.12)	Numerical Methods
D. Srinivasa Charya, Ph.D.	Polar Fluid Mechanics Computational Fluid Dynamics
P. Muthu, Ph. D.	Biomechanics
Assistant Professors	
Ms. J. Pranitha, Ph.D.	Fluid Mechanics
R.S. Selvaraj, Ph.D.	Coding Theory

Ms. Hari Ponnamma Rani, Ph. D.	Computational Flued Dynamics
A. Benerji Babu, Ph.D.	Mathematical Modeling
Ms. D. Bhargavi, Ph.D (from 7.5.2012)	Forced Convection Heat Transfer with Viscous Dissipation in Parallel Plate Channels Partially Filled with Porous Material.
Kurmayya Tamminana, Ph.D (from 18.5.2012)	Nonnegative Moore-Penrose Inverses of Operators Between Hilbert Spaces.
Nachiketa Mishra, Ph.D (from 2.7.2012)	Development and Analysis of Exponential Compact Higher Order Schemes

Department of Physics

Name / Highest Degree	**Areas of Specialization**
Professors	
K. Srimannarayana, Ph.D.	Photonics
J. Ramachander Rao, Ph.D.	Electronics
G. Ramachandra Reddy, Ph.D. **(On Deputation as Director, Nit Goa)**	Photonics
A. Ramachandra Reddy, Ph.D Chief Warden (upto 03.08.2012) Registrar I/c (from 04.08.2012)	Materials Science
S.V.S. Ramana Reddy, Ph.D	Nuclear Physics
L. Ramgopal Reddy, Ph.D. HOD (till May, 2012)	Tropospheric Radio Communication, Electronics
M. Sai Shankar, Ph.D	Photonics
R.L.N. Sai Prasad, Ph.D. **Chief Warden (from 4-8-2012)**	Accoustical Holography, Electronics
Associate Professors	
K. Venugopal Reddy, Ph.D.	Materials Science
B. Sobha, Ph.D.	Materials Science
D. Dinakar, Ph.D.	Electronics
Assistant Professors	
T. Venkatappa Rao, Ph. D.	Theoretical study of rare earth compounds and alloys
P. Shyam Prasad, Ph.D.	Synthesis characterization & Physical properties of Pbo-MoO_3-B_2O_3 glass system doped with some transition method ions
P.Abdul Azeem, Ph.D.	Studies on spectroscopic & other related properties of non-crystalline
Sourabh Roy, Ph.D (from 18.6.2012)	Studies on Light Propagation in Optical Waveguides and Microstructured Optical Fibers and Devices



बायो - टेक्नोलॉजी विभाग Department of Biotechnology



बायो - टेक्नोलॉजी विभाग के लेबोरेटरी
Laboratory of Biotechnology Department

Department of Chemistry

Name / Highest Degree	Areas of Specialization
Professors	
B. Venkata Appa Rao , Ph.D. **Dean, R&C (till 30-6-2012)** **I/C, CII, MoUs, IPRs (from July, 2012)**	Corrosion Science Environmental Chemistry
A. Ramachandraiah, Ph.D. **Chairman, Library Adv, (till June, 2012)** **Dean, R&C (from 1-7-2012)**	Coordination Chemistry, Electrochemistry
G.V.P. Chandramouli, Ph.D. **Chairman, Instt. Disp. (till July, 2012)** **HOD, Biotech. (till May., 2012)** **Dean Faculity Affairs (from 1-7-2012)**	Synthetic Organic Chemistry Hetrocyclic Chemistry
I. Ajit Kumar Reddy, Ph.D.	Micellar Catalysis, Chemical Kinetics
P. Nageswara Rao, Ph.D. **Chairman, Library Adv. (from July, 2012)**	Analytical Chemistry Extractive Spectrophotometry
K. Laxma Reddy, Ph.D. **HOD**	Coordination Chemistry, Environmental Chemistry
Ms. B. Rajitha, Ph.D.	Hetrocyclic Chemistry
V. Rajeshwara Rao, Ph.D.	Hetrocyclic Chemistry
Associate Professors	
K.V. Gobi, Ph. D	Physical Chemistry
Ms. P.V. Srilakshmi, Ph.D.	Bio-organic Chemistry, Supra-molecular Chemistry
Assistant Professors	
Vishnu Shanker, Ph.D. **I/C, Hindi Language**	Synthesis & Dielectric Properties soils
Venkatathri Narayanan, Ph.D.	Synthesis characterization
D. Kasinath, Ph.D (from 30.4.2012)	Synthesis of C3-ymmetric Polyaromatic Compounds and Functionalized Benzocrown Ethers via the Trimerization, Suzuki-Miyaura cross-coupling and Diels-Alder Reactions as key steps.
Bhukya Vijaya Kumar, Ph.D (from 16.4.2012)	Synthesis and SpectralCharacterization of Pyrochlore ($A_2 B_2 O_7$) Type Compounds

Department of Humanities & Social Sciences

Name / Highest Degree	Areas of Specialization
Professor	
D.S. Kesava Rao, Ph.D. P.G.D.T.E **HOD**	English and Commonwealth Literatures, English Language Teaching and ESP
M. Raja Vishwanathan, Ph.D (from 1.6.2012)	Cultural Politics and the Teaching of English at the Tertiary Level: An Exploratory Study.
Rajakumar Guduru, M.Phil (from 13.4.2012)	English Language Education

School of Management

Name / Highest Degree	Areas of Specialization
Associate Professors	
M. Ravinder Reddy, Ph.D. **HOD**	Engineering Economics Economics & Agriculture Economics
Ms. K. Padma, Ph.D.	Engineering Economics
R. Mohan, M.B.A.	Financial Management
istant Professors	
P. Ramlal, Ph.D.	Organizational Behaviour, Human Resource Management
Ms. G. Sunitha, Ph.D	Equity Investment Analysis: A Selected companies in India.
Ms. Ritanjali Majhi, Ph.D.	Financial Forecasting
Ms. S. Laxmi Tulasi Devi, Ph.D.	Finance-Capital Budgeting
Francis Sudhakar, Ph.D (from 26.3.2012)	Quality of Health Care Services in Select Hospitals in the Twin Cities of Hyderabad and Secunderabad.

Department of Physical Education

Name / Highest Degree	Areas of Specialization
Physical Directors (Selection Grade)	
R. Dayanithi, Ph.D.	Training Methods
P. Madhusudhan Reddy, Ph.D. **HOD**	Sports Psychology
P. Ravi Kumar, Ph.D.	Exercise Physiology

3. 2 Non-Academic Staff

b. Administrative & Other Officers

S.No.	Name	Designation	Dept.
1.	Prof. K. Madhu Murthy (upto 01.11.2011 FN)	Registrar I/c.	
2.	Prof. P. Anand Raj (from 1.11.2011 AN)	Registrar I/c.	
3.	K.N.S. Kasi Viswanadham (upto 4.1.2012)	Dy. Registrar (Accounts)	Accts
4.	Dr. K. Padma (From 5.1.2012)	Dy. Registrar (Accounts)	Accts
5.	Dr. D. Dinakar (upto 22.9.2011)	Dy. Registrar (Academic)	Acad
6.	Dr. G. Amba Prasada Rao (from 23.9.2011)	Dy. Registrar (Academic)	Acad
7.	Sri P. Raghupathi Reddy (upto 31.01.2012)	Asst. Registrar (Accs) (Officiating)	Accts
8.	Sri T. Paul	Asst. Registrar (Acad) (Officiating)	Acad
9.	Sri P. Krishna Rao	Asst. Registrar (Admn) (Officiating)	Admn
10.	Sri R. Sammi Reddy	Librarian	Library
11.	Sri K.J. Prasad (from 4.4.2012 AN)	Asst. Librarian	Library
12.	Sri G. Ramesh	Dy. Executive Engineer	P.E. Office
13.	Sri R. Veeraswamy	Workshop Foreman	MED
14.	Sri K.Yella Swamy	Workshop Foreman (Officiating)	MED
15.	Sri S. Chandrasekhar	Stores Officer	Central stores
16.	Sri P. Mohan	Programmer	C.C.
17.	Dr. (Mrs.) A. Aruna (I/c Hospital)	Medical Officer	Dispensary
18.	Dr. K. Tirupathi Reddy	Doctor (Male), On Contract	Dispensary

b. Non-Teaching Staff

S.No	Name & Designation	S. No.	Name & Designation
SUPERINTENDENT/ACCOUNTANT			**JR.ASST.**
1.	Raghupathi Reddy P (officiating A.R) (Rtd. on 31-01-2012)	1.	Mahender Singh S (up to 09-01-2012)
2.	Paul T (officiating A.R)	2.	Suresh V
3.	Krishna Rao P (officiating A. R.) (Rtd. on 30-06-2012)	3.	Dilip Kumar t
4.	Raju G	4.	Prem Kumar P
5.	Krishnamurthy A R	5.	Aliullasha Khader Md
6.	G.Keshavulu	6.	Mahesh Kumar Y
7.	Janardhan R	7.	Hymavathi P

8.	Gurupathy B	8.	Bhaskar T
9.	Sammaiah A (from 09-01-2012)	9.	Srinivas R
10.	Sandhya Rani D (from 09-01-2012)	10.	Someshwar Rao A
11.	Samel P (from 09-01-2012)	11.	Jai Singh A (up to 09-01-2012)
12.	Samba Murthy M (from 09-01-2012)	12.	Kiran Kumar A
SR.ASST. / UD CASHIER / UD RECORD KEEPER		13.	Srinivas T
1.	Sammaiah A (up to 08-01-2012)	14.	Sarvaiah M
2.	Sandhya Rani D (up to 08-01-2012)	15.	Mangilal B
3.	Sudhakar M	16.	Rajanna M
4.	Md.Zafar	17.	Jagadeesh Kumar A
5.	Gopinath R		
6.	Qureshi A A		**JR.ASST.(S)**
7.	Prakash S S	1.	Venkateswarlu S (up to 09-01-2012)
8.	Mahabul D	2.	Srinivasa Rao K
9.	Quamar Pasha S A	3.	Dayakar P
10.	Shamshul Hussain Md	4.	Ashwin Kumar D
11.	Bala Subramanyam G		
12.	Shiva Kumar P		**JACT**
13.	Samel P (up to 08-01-2012)	1.	Narender V
14.	Samba Murthy M (up to 08-01-2012)	2.	Veda Prakash G
15.	Rama Rao A	3.	Ms. Husna
16.	Mallaiah R	4.	Nanu Lunavath
17.	Srinivasa Reddy M		
18.	Sanjeeva M		**TYPIST/LD TYPIST**
19.	Shyamala J	1.	Ch.S. Prakasa Rao (up to 09-01-2012)
20.	Parasuramulu R	2.	Padmaja G
21.	T. Kiran Kumar	3.	Indira priyadarshini B
22.	Sridhar Rao M		
23.	M.Sadar Lal		**LD STENO TYPIST**
24.	Md.Afzal	1.	Renuka D
25.	K.Nagender Rao	2.	Ashok Kumar P
26.	J.Bhasker		**RONEO OPERATOR**
27.	Ch.S. Prakasa Rao (from 10.01.2012)	1.	Ramesh A
28.	Venkateswarlu S (from 10.01.2012)		
29.	Mahender Singh S (from 10.01.2012)		**GARDEN SUPERVISOR**
30.	Jai Singh A (from 10.01.2012)	1.	Umamaheswar Rao P

	CTCR		HEAD MALI
1	Jayanth G	1.	Rajaiah K (from 09.01.2012)
	STORE/RECORD ASSISTANTS		**ATTENDER**
1.	Chandraiah P (Jr.)	1.	Balaji Singh T (up to 08.01.2012)
2.	Ismail Md	2.	Inqushaf Ali Md. (up to 03.06.2012)
3.	Kumaraswamy K R (Exp. on 26.08.2011)	3.	Rajendra Prasad P
4.	Ilaiah T (Rtd. on 30.04.2012)	4.	Ravinder M
5.	Bhaskar M	5.	Devadas T
6.	Ilaiah R (Rtd. on 30.06.2012)	6.	Eswar P
7.	Adam S	7.	Mallikarjun K
8.	Rajeswar Rao G (Rtd. on 31.08.2011)	8.	Bikshapathy A
9.	Veeraswamy(Sr) G	9.	Srikanth P
10.	Saraiah K	10.	Srinivas J
11.	Sarada S	11.	Srihari S (up to 03.05.2012)
12.	Syed Mustafa (Rtd. on 31.05.2012)	12.	Narasimhulu N
13.	Sambaiah N	13.	Aruna Mary
14.	Sivaprasad V	14.	sridhar Kumar G
15.	Ramesh K		
16.	Rajamouli K		**MALAN**
17.	Devendra K	1.	Shaheen Begum
18.	Anandam G		
19.	Ramesh Babu Ch		**S-C-S**
20.	Ramesh D	1.	Sambaiah A (up to 08.01.2012)
21.	Kishore Kumar N	2.	Zaheeruddin Md
22.	Akbar Md		
23.	Heerulal P		**BOOK CLEANER**
24.	Vara Prasad A	1.	Narsaiah J
25.	Bhaskar P		
26.	Bikshapathy Y		**CLEANERS**
27.	Tara Bai B	1.	Ramesh V
28.	Farooq Azam Md	2.	Abdul Gaffar Md
29.	Narayana. G		
30.	Kamala K		**SR. LIB. ASST.**
31.	Kumar Swamy M	1.	Prasad K J (Officiating Asst. Librarian)
32.	Shoukat Ali Md.		(from 04.04.2012 AN)
33.	Krishna Veni P		
34.	Rajender K		
35.	Somaiah G		
36.	Sambaiah G		**JR. LIB. ASST.**
37.	Sanjeevaiah K (from 09.01.2012)	1.	Sudarshanam B

38.	Balaji Singh T (from 09.01.2012)		
39.	Gouri Shankar G (from 09.01.2012)		
40.	Sambaiah A (from 09.01.2012)		
41.	Tirupathi B (from 09.01.2012)		
42.	Srihari G (from 04.05.2012)		
43.	Inqushaf Ali Md. (from 04.06.2012)		

	TECHNICAL HELPERS		
1.	Gattaiah Ch	44.	Rajamma J
2.	Kattaiah Ch	45.	Rajanna J
3.	Komuraiah K (Sr)	46.	Ilaiah R
4.	Yellaiah N	47.	Shankariah M
5.	Venkatadri L	48.	Sajeeda Khatoon
6.	Kondaiah P	49.	Surayya B
7.	Srinivas A	50.	Jayasri B
8.	Janardhan G	51.	Jayalakshmi K
9.	Veeraiah P	52.	Pratap G
10.	Dasaratham N	53.	Murali G
11.	Saraiah G		
12.	Ilaiah B		
13.	Jakkaiah B		
14.	Jumani L		**STORE KEEPER (TECH.)**
15.	Komuraiah L	1.	Vasanth Ram M
16.	Rajaiah A		
17.	Takur B		
18.	Shankar K (Rtd. on 30.04.2012)		**W/S Supervisor**
19.	Komuraiah S	1.	Yella Swamy K. (officiating Foreman)
20.	Ilaiah P(Jr.)		
21.	Komuraiah K (Jr)		
22.	Sanjeevaiah K (up to 08.01.2012)		**ASST. ENGINEER**
23.	Veeraswamy(Jr.) G	1.	Sardar Singh M
24.	Hajia D		
25.	Komuraiah A		
26.	Dayakar Y		**TECH. ASST.**
27.	Yadamma V	1.	Samson B
28.	Nagamani V	2.	Janardhan R
29.	Hussain Md	3.	Rangilal B
30.	Gouri Shankar G (up to 08.01.2012)	4.	Sukumar D
31.	Afzal Md	5.	Ramesh K (from 09.01.2012)
32.	Rajaiah K (up to 08.01.2012)		
33.	Saraiah P		
34.	Yadimallu P		

35.	Laxmaiah B		**COMPUTER OPERATOR**
36.	Murali Krishna K	1.	Karuna Rani M
37.	Prasad A	2.	Gnaneshwar D
38.	Laxmi T	3.	Aparna T
39.	Palaiah P	4.	Govinda Rao D
40.	Ramulu B	5.	Padmasri K S S S
41.	Tirupathi B (up to 08.01.2012)	6.	Veeranna T
42.	Kumara Swamy B (Expired on 24.12.2012)		
43.	Venkatamma K		

	MECH. 'A' GRADE		**MECH. 'C' GRADE**
1.	Sanjiva Rao V	1.	Ravi S (upto 10.01.2012 FN)
2.	Subba Rao K	2.	Balaswamy T
3.	Siddiramulu T	3.	Sattaiah V (Expired on 27.10.2011)
4.	Ravinder D	4.	Veerender V
5.	Srinivas B	5.	Chandra Narayana A
6.	Kumaraswamy G	6.	Vijay Kumar K
7.	Narasimha M	7.	Anand Singh K
8.	Savvaiah G	8.	mahendra Kumar K
9.	Ramesh K (Sr.) (up to 08.01.2012)	9.	Sunil Kumar D
10.	Ramesh K(Jr.)	10.	Veeranna T (Up to 10.10.2012 FN)
11.	Suryanarayana T	11.	Devender B
12.	Harinath N (from 10.01.2012)	12.	Veeraiah D (from 11.01.2012)
13	Laxman A (from 10.01.2012)	13.	Sambayya V (from 11.01.2012)
		14.	Ramesh M (from 11.01.2012)
	MECH. 'B' GRADE	15.	Rajamouli A (from 11.01.2012)
1.	Harinath N (up to 09.01.2012)	16.	Ramulu B (from 11.01.2012)
2.	Chandra Murthy V	17.	Kumaraswamy M (from 11.01.2012)
3.	Nagabhushanam A	18.	Shankaraiah M (from 11.01.2012)
4.	Suryababu D	19.	Shankaraiah G (from 11.01.2012)
5.	Rasheed Md		
6.	Venkateswarlu V		
7.	Ravinder K		**MECH. 'D' GRADE**
8.	Sudhakar V	1.	Veeraiah D (up to 10.01.2012)
9.	Purushottam K	2.	Sambayya V (up to 10.01.2012)
10.	Laxman A (up to 09.01.2012)	3.	Ramesh M (up to 10.01.2012)
11.	Ramchander Y	4.	Rajamouli A (up to 10.01.2012)
12.	Parasu Ramulu K	5.	Ramulu B (up to 10.01.2012)
13.	Sudhakar N	6.	Kumaraswamy M (up to 10.01.2012)
14.	Venugopal S	7.	Shankaraiah M (up to 10.01.2012)
15.	Srinivasulu N	8.	Shankaraiah G (up to 10.01.2012)
16.	Ravinder R		

17.	Ravi S (from 10.01.2012 AN)		**DRIVER**
18.	Veeranna T (from 10.01.2012 AN)	1.	Ramesh J
		2.	Paramatma K (Rtd. on 31.03.2012)
	PHARMACIST GR-II		**STAFF NURSE**
1.	Satyavedam D (Rtd. on 30.04.2012)	1.	Rameeja Bee K

C. Hostel Employees

	Head Cook		**Asst. Cook**
1.	Saraiah G	1.	Sailu T
2.	Venkataiah T	2.	Yakaiah J
3.	Yadagiri C	3.	Venkateswarlu E
4.	Veeraiah K	4.	Dasthagir Md
		5.	Yakub B
		6.	Sivalingaiah K
	Mess Supervisor	7.	Vaikuntam K
1.	Rajaratnam Ch	8.	Komaraiah J
2.	Ali Md.	9.	Beeraiah G
3.	Shiak Mohammed		
4.	Iqbal Md		

	Head Supplier		**Store Boy**
1.	Komaraiah A	1.	Mallesham J
2.	Ilaiah T(Jr)	2.	Mahboob Md
3.	Kumara Swamy A	3.	Maqbul Jani Md
	Office Boy		**Kitchen Asst.**
1.	Mohd. Ameer	1.	Rajeswara Rao P
2.	Nageshwar Rao.G	2.	Venkataswamy N
3.	Suresh kumar.M	3.	Shankaraiah K
		4.	Sammaiah P
	Supplier	5.	Ialiah G
1.	Jaffer M A	6.	Chandra Mouli T (Expired on 11.11.2011)
2.	Komaraiah N	7.	Krishna Swamy N
3.	Buchaiah B (Expired on 24.12.2011)	8.	Chandru G
4.	Kanakaiah A	9.	Mondaiah Ch
5.	Pentaiah T	10.	Sadanandam B
6.	Saraiah A	11.	Rajaiah D
7.	Laxmaiah G	12.	Sambaiah(Jr) G
8.	Sailu K	13.	Kumara Swamy B
9.	Bhadraiah G (Rtd. on 30.04.2012)	14.	Jayaraj K

10.	Raju K	15.	Yellaiah S
11.	Sambaiah G	16.	Azeez Khan Md
12.	Ilaiah(Sr) T		
13.	Ilaiah M		
14.	Ravi. M		
15.	Kanakaiah K		

	Grinding Assistant		**reading Room Boy**
1.	Ramulu N	1.	Babu Rao M
	Maid Servant		**H. Watchman**
1.	Bhadramma G (Rtd. on 30-06-2012)	1.	Ramulu.N
2.	Venkatamma B	2.	Afzal Pasha. Mohd
		3.	Sadanandam.B
	Sweeper		**Male Servant**
1.	Ramulu K (Expired on 29.10.2011)	1.	Tirupathi T
2.	Rajaiah A	2.	Lal G
3.	Cheralu K	3.	Kumara Swamy. K
4.	Ilaiah A	4.	Kumar. P
5.	Ejjagiri G	5.	Kumar. B
6.	Venkataiah A	6.	Kumara Swamy.G
7.	Sammaiah P		
8.	Sailu E		
9.	Sammaiah N		
10.	Cheralu M		
11.	Veeraiah K		
12.	Ilaiah P		
13.	Prasad S		
14.	Venkataiah K		
15.	Damodar Reddy V		
16.	Suvarna.N		
17.	Nirmala.R		
18.	Ramesh.T		

3.3. Continuing Education Programme for Academic Excellence

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

1. CONTINUING EDUCATION PROGRAMME:

S. No.	Title of the course	Period		For whom arranged	No. of partici-pants	Name of the Coordinator
		From	To			
CIVIL ENGINEERING DEPARTMENT:						
1.	6-Day Workshop on Sustainable Urban Transport: Comprehensive Transport Master Plans–VISUM/ VISSIM	12-10-11	18-1-11	M. Tech. (TE) Students	30	Prof. CSRK Prasad
2.	5-Day Advanced Workshop on Sustainable Urban Transport: Comprehensive Transport Master Plans	13-02-12	17-2-12	M. Tech. (TE) Students	30	Prof. CSRK Prasad
3.	Geotechnical Engineering in Practice (Under TEQIP II)	04-03-12		Academicians and Field Engineers	28	Dr. P. Hari Krishna & Dr. V. Ramana Murty
4.	A Three Day Workshop on Advances in Flexible Pavement Design	15.03.12	17.03.12	Faculty, practicing engineers	64	Dr. C.S.R.K. Prasad, Dr. Venkaiah Chowdary, and Dr. DSNV Amar Kumar
5.	A two-day workshop on Emerging Trends in Water Supply sector	13.04.12	14.04.12	Academic and industrial people	25	Prof. K.V.Jayakumar Dr. E.Venkata Rathnam
6.	Advanced Mapping Techniques for Planning and Management of Resources (AMTPMR-1012) under TEQIP –II.	21-05-12	25-5-12	Academicians and Field Engineers	30	Dr. K. Venkata Reddy & Prof. Deva Pratap
7.	Computational Fluid Dynamics	12.06.12	22.06.12	Faculty from other engineering colleges	15	Dr. N V Umamahesh

MECHANICAL ENGINEERING DEPARTMENT:						
1.	10-day ISTE workshop on Solar Photovoltaics: Fundamentals, Technologies and Applications	12-12-11	22-12-11	Faculty from the Engg. Colleges	20	Dr.G.Naga Srinivasulu
2.	A 3-day Workshop on "Precision Manuf. And Measurements: Current Trends and Challenges"	18.5.12	20.5.12	Faculty members of Engineering Colleges	33	Dr. N. Selvaraj, Dr. N. Venkaiah and Dr. M. J. Davidson
3.	Engineering Practices – Multi Skill Development Programme	18.6.12	29.6.12	Technical Helpers & Attenders	63	T. Sadasiva Rao
4.	One Week TEQIP Sponsored Continuing Education Programme on "Rapid Prototyping"	23.1.12	27.1.12	Faculty of Engineering colleges and universities and industrial people	40	Dr. Y. Ravi Kumar, Asst. Professor
ELECTRONICS AND COMMUNICATION ENGINEERING						
1	A 3 day Workshop on "Modern Antennas: Simulation and application"	17.2.12	19.2.12		70 participants + 5 external resource persons	Prof. N. V. S. N. Sarma and Dr. D. Vakula
2	A Workshop on "Speech signal Processing & Coding"	19.12.11	21.12.11		40 participants + five external resource persons	Prof. N.S. Murthy and Dr. T. Kishore Kumar
3	A two week ISTE workshop on "Basic Electronics" under the NMEICT (MHRD)	28.6.11	8.7.11	AICTE Teachers	24	Dr. C.B. Rama Rao and Sri SKLV Sai Prakash
COMPUTER SCIENCE AND ENGINEERING DEPARTMENT:						
1	Database Security	5.3.12	9.3.12	Engineering College teachers and industry personnel	30	Dr.DVLN Somayajulu and Dr.B.B. Amberker
CHEMISTRY DEPARTMENT :						
1.	Current Trends in Nanoscience and Technology	23.12.11	24.12.11	Teachers, Research scholars and students	150	Dr. Vishnu Shanker
2.	Interface between chemical sciences and technologies	29.12.11	30.12.11	Teachers, Research scholars and students	300	Prof. K Laxma Reddy

PHYSICS DEPARTMENT :						
1	Photonics and Applications- An Awareness programe	15.4.12	-	For Outside engineering students & SPIE chapter members	60	Prof. K.Sriman-narayana

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

S. No	Name of the Staff Member Designation	Course attended (while furnishing place the information, name of the Summer/ Winter school or Seminar is to be mentioned)	Period	
			From	To
CIVIL ENGINEERING DEPARTMENT:				
1.	Dr. N V Umamahesh Professor	Workshop on Computational Fluid Dynamics at IIT, Bombay	11-3-12	16-3-12
2.	Sri M. Heeralal Associate Professor	Advances in Flexible Pavement Design	15-3-12	17-3-12
3.	Dr. Deva Pratap, Professor & Dr. K. Venkata Reddy Asst. Professor	Faculty Development Programme on Geospatial Technologies, Organised by Tata Consultancy Services, Hyderabad.	26-3-12	27-3-12
4.	Sri M. Heeralal Associate Professor	Advanced Mapping Techniques for Planning and Management of Resources (AMTPMR) 2012, Organised by Civil Engg. Dept., NIT- Warangal.	21-5-12	25-5-12
ELECTRICAL ENGINEERING DEPARTMENT:				
1	Dr. D. M.Vinod Kumar, Professor	Short Term Course on " Common Information Model for Power Systems" at IIT, Bombay	17.10.12	18.10.12
		Centrenary Tutorial/Conference EE-IISc, Bangalore	13.12.11	17.12.11
		Workshop on " Grid week Asia -2012" at Mumbai	16.1.12	18.1.12
		National workshop on "Wide- Area Monitoring & Control of Power system using Syncherophasorsat at IIT Kanpur	13.4.12	14.4.12
2	Dr.D.V.S.S. Siva Sarma, Professor	One day training program in Virtual labs for Power Systems Analysis at IITB	6.2.12	-
		Training Program on MIS at Osmania University.	14.2.12	15.2.12
		IEEE Power and Energy Society Chapter Chairs meeting and International Conference on Innovative Smart Grid Technologies-2012 at Tianjin, China	20.5.12	24.5.12
3	Dr. Bhagwan K Murthy, Professor	Tutorial on Modelling and Simulation of Power System Components at CPRI Bangalore	6.2.12	7.2.12

ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT:				
1	Dr. V. V. Mani	Engineering optimization using MATLAB & EXCEL, IIT Guwahati	29.2.12	2.3.12
2	Sri. Amara Prakasa Rao	Engineering optimization using MATLAB & EXCEL, IIT Guwahati	29.2.12	2.3.12
3	Sri. Amara Prakasa Rao	Basic Electronics, IIT Bombay	28.6.11	8.7.11
4	Sri P. Muralidhar	Basic Electronics" I.I.T. Bombay ISTE workshop	28.6.11	8.7.11
5	Smt. Dr. D. Vakula	A two week ISTE workshop on "Basic Electronics" I.I.T., Bombay under NMEICT, MHRD	28.6.11	8.7.11
6	Smt. Dr. D. Vakula	A two week ISTE workshop on "Introduction to Research Methodologies" conducted by I.I.T., Bombay under NMEICT, MHRD	25.6.12	4.7.12
7	SKLV Sai Prakash	Workshop on "cell phone tower radiation hazards and solutions at IIT Bombay"	19.11.11	21.11.11
8	Smt P Prithvi Asst Prof in ECE	"Modeling, Analysis & Control of Mechatronic Systems (MACMS)"- Mech. Engg. Dept. NITW	27.7.11	29.7.11
9	Dr. S Anuradha	ISTE Workshop on "Introduction to Research methodologies" Conducted by IIT, Bombay	25.6.12	4.7.12
MECHANICAL ENGINEERING DEPARTMENT:				
1.	Dr. N. Venkaiah, Asst. Professor	2-week ISTE Workshop on Solar Photovoltaics: Fundamentals, Technology and Applications	12.12.11	22.12.11
2.	Dr. N. Venkaiah, Asst. Professor	2-Week ISTE Workshop on Introduction to Research Methodologies	25th June	4th July
3.	Dr.L.Krishnanand, Professor	Change Management, Conducted by Alstom at New Delhi	30-8-2011	2-9-2011
4.	Dr. Y. Ravi Kumar, Asst. Professor	One month R&D Training Programme on Rapid Prototyping at Milwaukee School of Engineering, Rapid Prototyping Center, USA	21.6.12	30.7.12
5.	Dr. V Vasu	NRCM Summer School on " Mechanical Characterstics" from 22 june 2012 to 21 july 2012 in IISC banglore	22.6.12	21.7.12
6	R.Narasimha Rao Associate Professor	One day National workshop on "Frontiers of Materials &Manufacturing Processes" (FMMP-2011), Sponsored by TEQIP Phase-II, Organized by Department of Mechanical Engineering, NIT Warangal, AP.	28th November 2011	-
7	R.Narasimha Rao Associate Professor	Three day workshop on "Engineering optimization" by Prof. S.S. Rao, University of Miami, USA, Organized by the PDMA and IIT Madras at the Machine Design Section (Mech. Engg. Department) , IIT Madras	5.1.12	7.1.12

COMPUTER SCIENCE AND ENGINEERING DEPARTMENT:				
1	Dr.RBV Subramanyam Assoc. Professor	SAP Academic Alliance Meet-2012 at Bangalore	16.3.12	-
METALLURGICAL AND MATERIALS ENGINEERING DEPARTMENT:				
1	Dr. G. V. S. Nageswara Rao, Professor & HOD	a. 49th NMD & 65th ATM of IIM, Hyderabad, 2011. b. International Conference on Electron Microscopy, Hyderabad	13.11.11 06.07.11	16.11.11 08.07.11
2.	Dr. M. K. Mohan Professor	a. Management Development Programme, ISB, Hyderabad.	29.06.12	30.06.12
3.	Sri. P. Ravindar Associate Professor	a. Emotional Intelligence for Managerial Effectiveness and Stress Management, Engineering Staff College of India, Hyderabad.	21.12.11	23.12.11
CHEMICAL ENGINEERING DEPARTMENT:				
1	Y. Pydi Setty, Professor	Strategic Leadership for Higher Education, Indian School of Business, Hyderabad	29-6-12	30-6-12
CHEMISTRY DEPARTMENT :				
1	Vishnu Shanker Assistant Professor	Attained INDO-US meet on "New Functional Materials: Synthesis, Properties and Methods" at hotel Manu Allaya, Manali, Himachal Pradesh organized by IIT-Delhi.	2.6.11	7.6.11
SCHOOL OF MANAGEMENT:				
1	Dr.S.L.TulasiDevi, Assistant Professor.	Econometrics for Management Research, **IIM, Kozhikode**, Kerala	07-11-11	11-11-11

मेटलर्जी और मटेरियल साइंस विभाग में आधुनिक उपकरण
Sophisticated Equipment in the Metallurgy & Material Science Department





3 SEMINARS, SYMPOSIA, CONFERENCES ATTENDED AND PAPERS PRESENTED:

S. No.	Name of the Staff Member and Designation	Seminar/Symposia/ Conference attended while furnishing the information, the name of Seminar, Symposia or Conference is to be mentioned	Place	Period	
				From	To
CIVIL ENGINEERING DEPARTMENT :					
1	Dr. DSNV Amar Kumar	National conference on Providing Urban-type Amenities in Rural Zones	KSRM College of Engg., Kadapa	22.7.11	23.7.11
2	Dr. P. Rathish Kumar	International conference on Road and Airfield Pavement Technology,	Bangkok, Thailand	3-8-11	5-8-11
3	Dr. P. Rathish Kumar	RILEM International Conference, Hong Kong University of Science & Technology,.	Hongkong	5-9-11	7-9-11
4	Dr. G. Rajesh Kumar	Advances in Construction materials through Science and Engineering	Hongkong	5-9-11	7-9-11
5	Dr. S. Venkateswara Rao	International Conference on Advances in Construction materials through Sc. & Engg.	Honkong	5-9-11	7-9-11
6	Dr. T.D. Gunneswara Rao	National Seminar on Emerging Trends in Civil Engg.	NITTTR, Chandigarh	16-9-11	18-9-11
7	Dr. CSRK Prasad	1st National Consultation workshop to discuss the draft parameters on Urban Transport for NMSH, 49rganized by the Ministry of Urban Development, GOI, New Delhi	New Delhi	21-09-2011	-
8	Dr. CSRK Prasad	Future Dialogue: Sustainable Cities – Mastering the Challenges and Opportunities of Rapid Urbanization Organised by Max Planck Society, Germany	New Delhi	24-09-2011	-
9	Dr. CSRK Prasad	6th IRF Regional Conference on "Road Safety Strategy in India – Action Plan" and Intertraffic 2011, 49rganized by IRF India Chapter	New Delhi	3-10-11	5-11-11
10	Dr. CSRK Prasad	International Workshop on Sustainable Hyderabad Project	Hyderabad	10-10-11	12-10-12
11	Dr. C.B. Kameswara Rao	Recent Advances in Civil Engg RACE-2011	IT-BHU, Varanasi	14-10-11	16-10-11
11	Dr. CSRK Prasad	72nd Annual Session of Indian Roads Congress, Organised by PWD, UP	Lucknow	3-11-11	6-11-11

12	Dr. CSRK Prasad	One Day Workshop on Role of Engineers in Environment Management, Organised by SCCL, Bhupalapalli & IE(I), Warangal Local Centre	Bhupalapalli	27-11-2011	-
13	Dr. CSRK Prasad	Urban Mobility India 2011 Conference, □erforms□ by IUT, New Delhi	New Delhi	2-12-11	6-12-11
14	Sri Mohammad Ali	Indian Geotechnical Conference-2011	Kochi	15-12-11	17-12-11
15	Dr. V. Ramana Murty	Indian Geotechnical Conference-2011	Kochi	15-12-11	17-12-11
16	Dr. P. Hari Krishna	Indian Geotechnical Conference-2011	Kochi	15-12-11	17-12-11
17	Dr. P. Rathish Kumar	4th International Congress of Environmental Research (ICER-11)	Surat, India	15-12-11	17-12-11
18	M.V.S Sudheer, N.Ruben, Dr. E. Venkata Rathnam	Paper on "Water Hammer Analysis of Pumping main of the Lift Irrigation Scheme" presented at National Conference on Hydraulics & Water Resources, HYDRO2011	SVNIT, Surat, Gujarat	29.12.11	30.12.11
19	C.K Anoop, Dr. E.V. Rathnam, Dr. T. Shashidhar, c. Shahul Hameed and Dr. K.V. Jaya Kumar	Paper on "Isotope tracer techniques for the study of lake hydro dynamics" presented at National Conference on Hydraulics & Water Resources, HYDRO2011	SVNIT, Surat, Gujarat	29.12.11	30.12.11
20	Dr. CSRK Prasad	PTV Vision First User Meet, Organised by PTV Vision at New Delhi	New Delhi	9-02-12	10-02-12
21	Dr. CSRK Prasad	Two day Workshop on "TEQIP – MIS", □erforms□ by NPIU, New Delhi at Osmania University, Hyderabad	Hyderabad	14-02-12	15-02-12
22	Dr. T.D. Gunneswara Rao	National Seminar on Repair, Rehabilitation and Retrofitting	ACCE Bangalore	22-02-12	24-02-12
23	Dr. Venkaiah Chowdary	International Conference on Environmentally Sustainable Urban Ecosystems	Guwahati, Assam, India	24.02.12	26.02.12
24	Dr. T.D. Gunneswara Rao	Geosynthetics: Challenges	IISc, Bangalore	25-02-12	25-02-12
25	Dr. P. Rathish Kumar	Meeting of the Training and Placement Officers, Organised by Cognizant Technologies	Dubai	03-03-12	04-03-12
26	Dr. C.B. Kameswara Rao	2nd Int. Conference on Rehabilitation and Maintenance in Civil Engg. (ICRMCE-2)	Solo, Indonesia	08-03-12	10-03-12
26	Dr. D. Rama Seshu	2nd Int. Conference on Rehabilitation and Maintenance in Civil Engg. (ICRMCE-2)	Solo, Indonesia	08-03-12	10-03-12

27	Dr. V. Ramana Murty	Solid Waste Management and Technology		11-3-12	15-12-12
28	Dr. P. Hari Krishna	Solid Waste Management and Technology	Philadelphia USA	11-3-12	15-12-12
29	Dr. P. Rathish Kumar	International Conference on Sustainability Challenges and Advances in Concrete Technology (SCACT),	Coimbatore Tamil Nadu	02-05-12	04-05-12
30	Dr. CSRK Prasad	Traffic InfraTech Expo, Mumbai	Mumbai	17-05-12	19-05-12
31	Dr. P. Rathish Kumar	International Conference on Recent Advances in Engineering, Tech. and Management (SPICON2012)	Mumbai, Mahara-shtra	31-05-12	02-06-12
32	Dr. P. Hari Prasad Reddy	Indian Geotechnical Conference *(Geochallenges)* – 2011	Kochi	15-12-11	17-12-11
33	Dr. P. Hari Prasad Reddy	*1st Young Geotechnical Conference of A.P (YgeoTech 2012)*	Hyderabad	31-03-12	---
34	Dr. P. Hari Prasad Reddy	Indo-US workshop on Strides in Infra-Development on Expansive and Soft Soils (*IDEas-2012*)	Hyderabad	27-06-12	---

ELECTRICAL ENGINEERING DEPARTMENT :					
1.	Mr. Sunil Kumar Gunda & Prof. D.V.S.S. Siva Sarma	Modelling of Adjustable speed AC drives for Harmonic studies using Kalman filtering algorithm, 4th IEEE International conference on Power and Energy Systems (ICPS-2011)	Indian Institute of Technology Madras (IITM), Tamil Nadu	22.12.11	24.12.11
2.	Mr. Sunil Kumar Gunda, Mr. A.D. Sudeer & Prof. D.V.S.S. Siva Sarma	Harmonic analysis of Personal Computer System using Kalman Filtering Algorithm and Experimental Verification, ICETCEE'2012, Planetary Scientific Research Centre Conferences 2012	Dubai (UAE)	24.3.12	25.3.12
MECHANICAL ENGINEERING DEPARTMENT:					
1	Dr.G.Naga Srinivasulu, Assistant Prof.	International Conference on Nuclear and Renewable Energy Engineering	Madrid, Spain	28-03-12	29-03-12

2.	Nilesh K Gajarlawar, G. Amba Prasad Rao and Mathew Abraham	22nd NATIONAL CONFERENCE ON I. C. ENGINES AND COMBUSTION (22nd NCICEC 2011 and presented a aper "An Overview of the Strategies for Peak Temperature Control During DPF Regeneration"	NIT Calicut	10.12.11	13.12.11
3.	G.Amba Prasad Rao, K.Madhu Murthy and USV Prasad	International Conference on Mechanical, Automobile and Rorotics Engineering(ICMAR 2011) and presented the paper Influence of fuel injection parameters of DI diesel engine fuelled with biodiesel and diesel blends	Pennang, Malaysai	11.2.12	12.2.12
4.	G.Amba Prasad Rao, K.Madhu Murthy and USV Prasad	International Conference on Computer, Electrical, Electronics & Mechanical Engineering (ICEEME'2012) and presented a paper Effect of oxygenated additives on control of emissions in a DI diesel engine using biodiesel-diesel blends	Pennang, Malaysai	11.2.12	12.2.12
5.	G.Amba Prasad Rao, K.Madhu Murthy and G.Mallikarjuna Rao	Evaluation of particulate traps for reduction of diesel engine exhaust smoke	Dubai	24.3.12	25.3.12
6.	G.Amba Prasad Rao and B.Venkateshwara Rao	Modeling diesel engine flow processes for performance and emissions	Dubai	23.3.12	24.3.12
7.	Prof.K.V.SAI SRINADH	Failure analysis of Rail road wheel was presented and published in conference proceedings at National conference	R.V.R,J.C College of Engineering Guntur	7.7.11	8.7.11
8.	Prof.K.V.SAI SRINADH	Remaininglife assessment of superheater circuit of a thermal power plant was presented and published in conference proceedings at IGCAR,	Kalpakkam	22.1.12	25.1.12
9.	Prof.K.V.SAI SRINADH	Failure analysis of boiler tubes of a Thermal power plant was presented and published in conference proceedings at IGCAR,	Kalpakkam	22.1.12	25.1.12
10.	Dr. N. Venkaiah, Asst. Professor	International Conference on Manufacturing Engineering organized by World Congress on Engineering (WCE)	London	6.7.11	8.7.11

11.	P.Bangaru Babu, Professor	International Conference on Trends in Industrial and Mechanical Engineering ICTIME.2012	Dubai UAE	24.3.12	25.3.12
12.	T. SADASIVA RAO, Asst. Professor	International Conference on Trends in Industrial and Mechanical Engineering (ICTIME'2012	Dubai	24.3.12	25.3.12
13.	Dr. C. GURURAJA RAO, Professor, Mechanical Engg.	Modeling and Simulation for Rapid Progress in Chemical Engineering [AICTE National Seminar]	RVR&JC College of Engineering, Guntur	15.711	16.7.11
14.	Dr. K. Madhu Murthy, Professor (MED)	International Conference on Trends in Industrial and Mechanical Engineering (ICTIME-2012)	Dubai, UAE	24.3.12	25.3.12
15.	Dr. K. Madhu Murthy, Professor (MED)	International Conference on Mechanical, Automobile and Robotics Engineering (ICMAR-2012)'	Penang, Malaysia	11.2.12	12.2.12
16.	V.Suresh Babu Associate Professor	7th Int. Conference on Vibration Engg & Technology of Machinery (VETOMAC –VII)	Shangahi, China	21-11-11	24-11-11
17.	V.Suresh Babu Associate Professor	National Symposium on Rotor Dynamics	I I T Madras	19-12-11	21-12-11
18.	Dr. Y. Ravi Kumar, Asst. Professor	International Conference on Bio-medical Engineering (ICBME 2011),	University of Manipal, Manipal, India	10.12.11	12.12.11
19.	Dr. Y. Ravi Kumar, Asst. Professor	International Conference on Manufacturing and Industrial Engineering (ICMIE 2012)	Singapore,	26.2.12	28.2.12
20	R.V. CHALAM Professor	National Conference on Recent Advances in Mechanical Engineering, NCRAME-2011	RVR & JC College of Engineering Guntur	7.7.12	8.7.12
21	R.V. CHALAM Professor	Third International Conference on Electronics and Computer Technology ICECT-2011, IEEE Conference	IISc, Bangalore	10.8.12	12.8.12
22	R.V. CHALAM Professor	ARTCom 2011	IISc Bangalore	15..10.12	17.10.12
23	C.S.P.Rao, Professor	"Prediction on Wear Properties of Al6061-Al2O3 MMCs using Artificial Neural Networks" International Conference on Advances in Mechanical Manufacturing and Building Sciences – ICAMB 2012	VIT University, Vellore	9.1.12	12.1.12

24	C.S.P.Rao, Professor	"Prediction on Wear of Al7075-Al2O3 MMCs using Artificial Neural Networks", International Conference on Simulation Modelling and Analysis – COSMA 2011	Amrita School of Engineering, Coimbatore	14.12.11	16.12.11
25	V Vasu Assistant Professor	Applications of nanofluids as coolant in machining & automotive, Annual World Congress Nano S&T	Dalian, China	26.10.11	30.10.11
26	V Vasu Assistant Professor	Optimal path planning of an autonomous mobile robot using genetic Algorithm, International conference of manufacturing & industrial engineering	Singapore	26.2.12	28.2.12
27	M J Davidson, Assistant Professor	On the Selection of Induction Heating Coil Profiles using Finite Element Analysis Technique, ICECECE 2012 : International Conference on Electrical, Computer, Electronics, Communication Engineering	Madrid, Spain	28.3.12.	29.3.12.
28	M J Davidson, Assistant Professor	M J Davidson, N Selvakumar, "Densification behavior of sintered Aluminium □erforms using Taguchi Design of Experiments (DOE) Technique" ICAMAME 2012 : International Conference on Aerospace, Mechanical, Automotive and Materials Engineering	Madrid, Spain	28.3.12.	29.3.12.
29	M J Davidson, Assistant Professor	A Neural Network (NN) and Response Surface Methodology (RSM) based prediction model for sintered aluminium performs, Recent Researches in Artificial Intelligence and Database Management, WSEAS	London		
30	M J Davidson, Assistant Professor	Effect of rotational speed on microstructure and mechanical properties of friction stir processed Mg AZ31B alloy, IEEE International Conference on Advances in Engineering, Science and Management (ICAESM),	Nagapatanam		

31	M J Davidson, Assistant Professor	Experimental investigation on the energy absorption behavior of end formed AA6061 alloy tubes, IEEE International Conference on Advances in Engineering, Science and Management (ICAESM)	Nagapatanam		
32	M J Davidson, Assistant Professor	Effect of traverse speed on microstructure and mechanical properties of friction stir processed MD AZ 31B alloy, International Conference on Materials Processing and Characterisation	Hyderabad,	8.3.12	10.3.12
33	M J Davidson, Assistant Professor	Formability studies on friction stir processed Mg AZ 31 B alloy in plane strain stretch forming, 2nd International Conference on Mechanical Engineering, Robotics and Aerospace (ICMERA 2011)	Budapest, Rumania	20.10.11	22.10.11
34	M J Davidson, Assistant Professor	Experimental Investigation on Tube End Expansion Studies of AA6061 Alloy Tubes ICRIT 2012	Rajiv Gandhi Institute of Technology, Kottayam	12.1.12	14.1.12
35	M J Davidson, Assistant Professor	Process Parameters Optimization of Friction Stir Welding of Dissimilar Aluminium Alloys ICCTEM	Mysore	12.1.12	14.1.12
36	P. Subhash Chandra Bose Assistant Professor	Evaluation of Optimum Cutting parameters in finished turning of NIMONIC 75 using RSM, WASET	Spain	28.3.12.	29.3.12.
37	R.N. Rao Associate Professor	Finite Element Modeling of stress-strain curve and the stress and strain distributions of the Ti – 10V – 4.5Fe – 3Al Alloy, International Conference on Mechanical, Automobile and Robotics Engineering (ICMAR 2011), PP. 217 – 221.	Pattaya, Thailand.	7.10.11	8.10.11
38	R.N. Rao Associate Professor	Wear mechanism maps and tribological behaviour of SiCp reinforced aluminium matrix composites, International Tribology Conference, Hiroshima (ITC-Hiroshima 2011),	Hiroshima, Japan	30.10.11	3.11.11.

39	R.N. Rao Associate Professor	Numerical Simulation of Stress-Strain Curve and the Micro Stress and Micro Strain Distributions of the near β Ti Alloy, Second International Conference on Simulation, Modeling and Analysis (COSMA 2011), PP. 26.	Mech. Engg. Dept. Amrita School of Engg. Coimbatore and NIT Calicut	14.12.11	16.12.11
40	R.N. Rao Associate Professor	Finite Element Modeling of Secondary Phase Grain Size on the Stress Strain Curve of Ti alloy, International Conference on Trends in Mechanical and Industrial Engineering (ICTMIE 2011), PP. 175-179.	Bangkok, Thailand.	23.12.11	24.12.11
41	R.N. Rao Associate Professor	A Review on Finite Element Modelling of Stress-Strain Curve of Two Phase Materials, International Conference on Futuristic Trends in Materials and Energy Engineering (FTME 2011).	Mech. Engg. Dept. VRSEC VijayawadaA .P.	30.12.11.	
42	R.N. Rao Associate Professor	Effect of β/α strength ratio on the stress-strain curve of beta titanium alloy by Finite Element Modeling, International Conference on Mechanical and Industrial Engineering (ICMIE 2012), Organized by Interscience Reaserch Network. PP. 35-39.	IIT Guwahati.	15.1.12.	
43	R.N. Rao Associate Professor	Insitu Deposition of Composite Thermal Barrier Coating using Atmospheric Plasma Spray Process, International Conference on Invention, Innovation & Technology (ICIIT-2012) and Indian Association for Productivity, Quality and Reliability and Central Glass & Ceramic Research Institute.	Kolkata	19.1.12.	21.1.12.
44	R.N. Rao Associate Professor	In- Situ Deposition of Composite Thermal Barrier Coating Using Atmospheric Plasma Spray Process: Effect of Injector Angle, Conference on Engineering Coatings (Enggcoat-2012), ASM International, India Chapter.	IIT Bombay	9.2.12.	11.2.12.

45	R.N. Rao Associate Professor	Titanium –Tin Oxide Nanocomposite Powders having 2D Morphology prepared by Mechanical Milling for Electrical Energy Storage Applications", presented at The International Conference & Exhibition on New Vistas in Particulate Materials, Technology.	Mumbai	2.2.12	4.2.12
46	R.N. Rao Associate Professor	Determinants of Investment in Fixed Assets in Electrical Equipment and Cables Industry" in an International conference on Financial Theory and Engineering, ICFTE 2012, ISBN: 978-981-07-1472-7, Pp.297, IPEDR Vol.29 2012, ISSN: 2010-4626.	Singapore	26.2.12	28.2.12
47	R.N. Rao Associate Professor	Artificial Neural Network Approach for prediction of Ti alloy stress–strain curve, International Conference on Modeling optimization and computing (ICMOC 2012),	Dept. of Mech.EnggKumarakoil Tamilnadu.	10.4.12	11.4.12
48	R.N. Rao Associate Professor	Artificial Neural Network Approach for wear rate prediction of metal matrix composites, International Conference on Modeling optimization and computing (ICMOC 2012).	Dept. of Mech.EnggKumarakoil Tamilnadu.	10.4.12	11.4.12
49	R.N. Rao Associate Professor	Effect of surface modification on water absorption characteristics of roystonea regia / epoxy composites, Proceedings of National Conference on Recent Advances in Mechanical Engineering (NCRAME-2011).	Dept. of Mech.Engg, RVR&JC College of Engg.Guntur u, A.P.	7.7.11.	8.7.11.
50	R.N. Rao Associate Professor	Cyclic Oxidation Behavoiur of Insitu Deposited Composite Thermal Barrier Coating System using Atmospheric Plasma Spray Process, 65th Annual Technical Meeting of Indian Institute of Metals.	IIM, NMD-ATM 2011, Hyderabad.	13.11.11	16.11.11

51	R.N. Rao Associate Professor	Parametric Studies on the preparation of Nanopowders for Li-ion Battery by Wet Chemical Methods. IIM, 65th Annual Technical Meeting - 2011.	IIM, NMD-ATM 2011, Hyderabad.	13.11.11	16.11.11
52	R.N. Rao Associate Professor	Synthesis and Characterization of Titanium-Tin Oxide Nanocomposites by Mechanical Milling for the Positive Electrode Applications in Li-Ion Batteries. IIM, 65th Annual Technical Meeting -2011.	IIM, NMD-ATM 2011, Hyderabad.	13.11.11	16.11.11
53	R.N. Rao Associate Professor	Synthesis of Carbon Incorporated Titanium Oxide Nanoparticles for Electrical Energy Storage Applications. IIM, 65th Annual Technical Meeting - 2011.	IIM, NMD-ATM 2011, Hyderabad.	13.11.11	16.11.11
54	R.N. Rao Associate Professor	Finite element modeling of stresses and strains in α and β phases and at α- β interface in Ti alloy, National Conference on Interface between Science and Technology (NIST 2011).	Dept. of Chemistry NITW, Andhra Pradesh.	29.12.11	
55	Venu Gopal Anne Professor	Online Tool Wear Monitoring using Cutting Forces in Turning Ti-6Al-4V", International Conference on Trends in Industrial and Mechanical Engineering (ICTIME 2012)	Dubai	24.3.12	25.3.12
56	Venu Gopal Anne Professor	Effect of Rake Angle and Feed Rate on Cutting Forces in an Orthogonal Turning Process", International Conference on Trends in Mechanical and Industrial Engineering (ICTMIE 2011)	Bangkok, Thailand	23.12.11	24.12.11
57	Neelakanteswara Rao A Professor	"Capacity Balancing or unbalancing a discussion" International conference on mechanical electronics and mechatronics engineering ICMEME 2012	Bangkok, Thailand	17.3.12	18.3.12.
ELECTRONICS AND COMMUNICATION ENGG. DEPARTMENT:					
1	Prof. N. V. S. N. Sarma	The design of Elliptical Microstrip Patch Antenna Using ANN", PIER Symposium	Suzhou, Chine	12.9.11	16.9.11

2	Prof. N. V. S. N. Sarma	Interference Suppression In Multiple Beams Adaptive Linear Array Using Genetic Algorithm", presented at Antenna Test & Measurement Society Symposium	Mumbai	2.2.12	3.2.12
3	Prof. N. V. S. N. Sarma	Using ANN Design of Elliptical Microstrip Patch Antenna for circular polarization presented at Antenna Test & Measurement Society Symposium	Mumbai	2.2.12	3.2.12
4	Prof. N. V. S. N. Sarma	"Energy Efficient Cluster Routing protocol for heterogeneous Wireless Sensor Networks", Third International Conference on Advances in Communication, Network, and Computing – "CNC 2012"	Chennai	24.2.12	25.2.12
5	Prof. N. V. S. N. Sarma	A Single Feed Circularly Polarized Wallis Sieve Fractal Microstrip Antenna" Accepted for presentation at PIER- Conference	Kuala Lumpur, Malaysia	27.3.12	30.3.12
6	Dr. B. Lakshmi	Parallel CORDIC-Like Architecture for fast rotate on Implementation, TENCON 2011	Bali, Indonesia	21.11.11	24.11.11
7	Dr. T. Kishore Kumar, P. Kishore Kumar	UWB Impulse Radar for Three Dimensional Through-the-wall Radar Imaging, at IEEE COMCAS November 2011	Tel Aviv, Israel	Nov 2011	Nov 2011
8	Dr. T. Kishore Kumar, N. Siva Prasad	Speech Enhancement using Kernel Adaptive Filtering Method, IEEE COMCAS November 2011	Tel Aviv, Israel	Nov 2011	Nov 2011
9	Dr. T. Kishore Kumar	Survey of hybrid models for Automatic Speech Recognition ", FRSM 2012 – International Symposium on "Frontiersof Research on Speech, Music and Allied Signal Processing".	Jointly organized by KIIT College of Engineering, Gurgaon, ITC-SRA, Kolkata	18.1.12	19.1.12
10	Dr. T. Kishore Kumar	Real Time Isolated Word Recognition using Adaptive Algorithm", 2012 International Conference on Industrial and Intelligent Information (ICIII 2012) IACSIT Press	Singapore	17.3.12	18.3.12

11	Dr. T. Kishore Kumar	Speech Enhancement Using Kalman Filter for white, random and color noise", IEEE International Conference on "Devices, Circuits and Systems" ICDCS 2012	Karunya University, Coimbatore, India, IEEE Explorer.	15.3.12	16.3.12
12	Dr. T. Kishore Kumar	Speech Enhancement using Spectral Subtraction, Affine Projection Algorithms and Classical Adaptive Filters",International Conference on Advances in Electronics, Electrical and Computer Science Engineering – EEC 2012,	Dehradun, India	7.7.12,	9.7.12,
13	Dr.L. Anjaneyulu	International conference on Applied Electromagnetics, AEMC 2011	Kolkata, India	18.12.11	22.12.11
14	Dr.L. Anjaneyulu	International conference on Progress in Electromagnetics Research Symposium (PIERS 2012)	Kuala Lumpur, Malaysia	27.3.12	30.3.12
15	S.Anuradha Dr.K.V.V.S.Reddy N.Narasimha Rao	Channel estimation in OFDM systems using MMSE and LS estimators". International conference on systemics, cybernetics and informatics (ICSCI2012),organized by pentagram research centre (p) limited, PP.293-297	Hyderabad.	15.2.12	18.2.12
16	Dr.S.Anuradha, Dr.K.V.V.S.Reddy	Performance analysis of MC DS –CDMA system using BPSK over correlated and independent Nakagami-M fading channel". 2012 International conference on Industrial and Intelligent Information (ICIII 2012),IPCSIT Vol.31 (2012), PP.226-232	Iacsit press Singapore	17.3.12	18.3.12
17	M. Kavicharan, N.S. Murthy and N. Bheema Rao	Modal decomposition – based VLSI Interconnect Delay Modeling in 2012 International Conference on Solid State and Integrated Circuit (ICSIC – 2012)	Singapore	17.3.12	18.3.12
18	P Muralidhar Lecturer SG	"Efficient Architecture for variable block size motion estimation block of H.264 video encoder" Int. Conference on Solid – state and Integrated Circuits (ICSIC 2012)	Singapore	17.3.12	18.3.12



इलेक्ट्रॉनिक्स और कोम्मुनिकतिऔन्स इंजीनियरिंग विभाग लेबोरेटरी
Laboratory of Electronics & Communications Engineering Department



7 से 19 फरवरी 2012 में आयोजत वर्कशॉप - नए ऐन्टेना सिमुलेशन एंड अप्लिकेशन्स
Workshop organized on Modern Antennas - Simulation & Applications during 17-19 February 2012

19	Smt. V. Rama Asst. Professor	"Identification of Cardiac Ischemia using spectral domain analysis" is presented in Internationa Conference UK Sim 2012	Cambridge University, London	28.3.2012	30.3.2012
METALLURGICAL AND MATERIALS ENGINEERING DEPARTMENT:					
1.	Dr. M. K. Mohan	a. 49th NMD & 65th ATM of Indian Institute of Metals, Presented three (3) papers. d. "SANSHARAN 2011", MMED, NITW. Presented two (2) posters.	Hyderabad Warangal	13.11.11 26.03.2011	16.11.11 27.03.2011
2.	Dr. C. Vanitha	49th NMD & 65th ATM of Indian Institute of Metals, Presented eight (8) papers.	Hyderabad	13.11.11	16.11.11
CHEMICAL ENGINEERING DEPARTMENT:					
1	Prof. R.C.Sastry	International Conference on Chemical, Biological and Environmental Sciences (ICCEBE 2011)	Bangkok	23 Dec	24 Dec
2	Prof. R.C.Sastry	64th Annual Session of Indian Institute of Chemical Engineers	Bangalore	27 Dec	29 Dec
3	Y. Pydi Setty, Professor	"Drying of Solids in a Batch Fluidized Bed", Presented at Asia Pacific Confederation of Chemical Engineering	Sun Tec City, Singapore	21.2.12	24.2.12
4	Y. Pydi Setty, Professor	"Effect of Inocculum age and volume on Microbial Production of Xylitol", Presented at Asia Pacific Confederation of Chemical Engineering	Sun Tec City, Singapore	21.2.12	24.2.12
5	A Sarath Babu, Associate Professor	Dynamic Simulation of CSTR using Aspen Dynamics Paper presented in CHEMCON 2011	Bangalore	27-12-11	29-12-11
6	A Sarath Babu, Associate Professor	"Dynamic Analysis of a CSTR using Aspen Dynamics", Paper Presented in International Conference on Chemical, Environmental and Biological Sciences (ICCEBS2012)	Penang, Malyasia	11-2-12	12-2-12
7	A Sarath Babu, Associate Professor	"Mathematical Modeling of Ammonia Converter" Paper presented in International Conference on Chemical, Civil and Environment Engineering (ICCEE-2012)	Dubai	24-3-12	25-3-12

8	K.Anand Kishore	International Conference on Biotechnology and Environment Management (ICBEM 2011)	Singapore,	19-9-11	21-9-11
9	K.Anand Kishore	International conference on Chemical, Environmental and biological sciences	Penang, Malaysia,	11-2-12	12-2-12
10	K.Anand Kishore	National Conference on Interface between Chemical sciences and Technologies	NIT Warangal	29-12-11	30-12-11
11	K.Anand Kishore	Conference on New Vistas in Computational Fluid Dynamics in Engineering	NIT Warangal	27-1-12	29-1-12
12	S.Srinath Assistant professor	International Conference on Chemical, Environmental and Biological Sciences	Malaysia (ICCEBS'2012)	11-2-12	12-2-12
13	- Do -	International Conference on Chemical, Civil and Environmental engineering	Dubai (ICCEE'2012)	24-3-12	25-3-12
14	Srinu Naik. S and Y. Pydi Setty	International Conference on Biotechnology and Environment Management (ICBEM 2011)	Singapore	19-09-11	21-09-11
15	Srinu Naik. S and Y. Pydi Setty	International conference on Chemical, Environmental and biological sciences	Penang, Malaysia	11-02-12	12-02-12
COMPUTER SCIENCE AND ENGINEERING DEPARTMENT:					
1.	Dr.R.Padmavathy Asst. Professor	International Conference on Network communication & Security NCS-2011	Bangalore	31.12.11	5.1.2012
2	Dr.S.G.Sanjeevi	FANCCO-2011	Vishakapatn am	20.12.11	-
3	Prof.B.B. Amberker	International Conference on Industrial and Intelligent Information (ICIII 2012)	Singapore	16.3.12	19.3.12
4	RBV Subramanyam	Partition-based Approach for fast mining of Transitional Patterns at 14th International Conference on Computer Modeling and Simulation UK SIM 2012	Cambridge Univcrsity, London, UK	28.3.12	30.3.12

5	RBV Subramanyam	Mining Sentiments from Blog-data – Proc at Indian International Conference on Artificial Intelligence, Tumkur	Bangalore	14.12.11	16.12.11
SCHOOL OF MANAGEMENT:					
1.	Dr.M.Ravindar Reddy Associate Professor	Corporate Governance and Business Conference	Boston, USA	14.07.11	15.7.11
2.	Dr.Ritanjali Majhi Asst.Prof	International Research Conference on Management Engineering and Technology	Bangkok	02.03.12	03.03.12
3.	Dr.Ritanjali Majhi Asst.Prof	International Conference in Marketing	IIM Lucknow, Noida Campus	12.01.12	14.01.12
4	Dr.Ritanjali Majhi Asst.Prof	international Conference on Innovation in Management Challenges and Opportunities in the Next Decade	PES Bangalore	11.8.11	12.8.11
5	Dr.Ritanjali Majhi Asst.Prof	IEEE, International conference (RAICS-2011	Trivandrum	23.09.11	25.09.11
6	Dr.S.L.Tulasi Devi, Assistant Professor	International conference on Management, Behavioural Sciences and Economic Issues ICMBSE2011, ISBN: 978-81-922428-0-4, Page no 291	Pattaya, Thailand	7.10.11	8.10.11
7	Dr.S.L.Tulasi Devi, Assistant Professor	International conference on Financial Theory and Engineering, ICFTE 2012	Singapore	26.2.12	28.2.12
8	Dr.S.L.Tulasi Devi, Assistant Professor	International conference on Modeling Optimization and Computing (ICMOC 2012	Kumaracoil, Tamilnadu	10.4.12	10.4.12
9	Dr.S.L.Tulasi Devi, Assistant Professor	C.K. Prahalad Memorial National Conference on Management Issues and Challenges	Vignan University, Guntur,A.P.	3.4.12	4.4.12
10	Dr.P. Ramlal Asst. Professor	Corporate Governance and Business Conference	Boston, USA	14.7.11	15.7.11
CHEMISTRY DEPARTMENT:					
1	B.V. Appa Rao Professor	Ascorbate and Lactobionate as Synergists in Combination with Phosphonate –Zn^{2+} system for Corrossion inhibition of Carbon Steel	Interface between chemical sciences and technologies, NIT Warangal	29.12.11	30.12.11

2	B.V. Appa Rao Professor	Corrssion inhibition of Cu-Ni (90/10) Alloy in Sea water under hydrodynamic conditions by 5 – (3-Aminophenyl)-Tetrazole	Interface between chemical sciences and technologies, NIT Warangal	29.12.11	30.12.11
3	B.V. Appa Rao Professor	Self Assembly Nano Films of 1-octadecyl-1 H – imidazole for Corrossion protection of Copper	Interface between chemical sciences and technologies, NIT Warangal	29.12.11	30.12.11
4	B.V. Appa Rao Professor	Comparative adsorption of Pb(Li) on Epichlorohydrine and Gluataraldehyde Cross –Linked Chitosan Functionalized with Xanthate	Interface between chemical sciences and technologies, NIT Warangal	29.12.11	30.12.11
5	A. Ramachandraiah Professor	Spectral and Supramolecular Studies of the Schiff Base Cryptands of Substituted 4-(4-minophenoxy)benzenamine and 2, 6- Diformyl-4-methylphenol	International Conference on "Supramolecul er Chemistry and Nanomaterials" University of Mumbai, Mumbai	14.2.11	16.2.11
6	A. Ramachandraiah Professor	Synthesis and Characterization of a Novel Series of Homo Aryl Bridged Binuclear and Tetranuclear of Co(II), Ni(II), Cu (II) and Zn (II) Complexes	International Conference on "3rd Asian conference Co ordination Chemistry" at Indian Habitat Center, New Delh	17.11.11	20.11.11
7	A. Ramachandraiah Professor	Electrochemical Behavior of a Double Diphenylether – Bridged Binuclear Cu (II) Schiff base complex in Non-Aqueous media	Interface between chemical sciences and technologies, NIT Warangal	29.12.11	30.12.11
8	A. Ramachandraiah Professor	Synthesis and Characterization of Some Binuclear Ni (II), Co (II), Cu (II) and Zn (II) Complexes of Schiff base, 2,2- (4,1-phenylene)bis(axan 1-yl-1ylidene)bis (methan-1-yl-1-ylidene)dinapthalen – 1-ol	Interface between chemical sciences and technologies, NIT Warangal	29.12.11	30.12.11
9	A. Ramachandraiah Professor	Thermal Studies to Visualize a Binuclear Zinc (II) Schiff base complex as a Supramolecular Catenand	Interface between chemical sciences and technologies, NIT Warangal	29.12.11	30.12.11

रसायन शास्त्र विभाग Department of Chemistry



रसायन शास्त्र विभाग Laboratory of Chemistry



दिसंबर 19 से 21, 2011 तक आयोजित 'नानो साइंस एंड टेक्नोलॉजी में प्रस्तुत सरलिया' आरंभ उत्सव
Inaugural function of Workshop Current Trends in Nano-Science & Technology

10	A. Ramachandraiah Professor	Spectral and Electrochemical Behaviour of Ketorolac Tromethamine in Non –Aqueous media	Interface between chemical sciences and technologies, NIT Warangal	29.12.11	30.12.11
11	A. Ramachandraiah Professor	Photochemical Charging and Electrochemical Discharging in Some Azobenzenes	Second International Conference on Nanomaterials Synthesis, Characterizatio n and Application Kottayam Kerala	12.1.12	15.1.12
12	A. Ramachandraiah Professor	Synthesis and Spectral Characterization of Antimicrobial Activity of the Binuclear Ni(II), Co(II), Cu(II) and Zn(II) Complexes of A novel Macrocyclclic Biphenyl Bridged Schiff Base Ligand	2ndInternation alconference on "Trends in Chemical Sciences GoingBeyond Frontiers" atIndiaCouncil of Chemist, Malaysia	10.6.12	12.6.12
13	A. Ramachandraiah Professor	Electrochemical Behavior of A Double Diphenylether-Bridged Binuclear Copper (II) Schiff Base Complexes in Non-Aqueous Media	2ndInternation alconference on "Trends in Chemical Sciences GoingBeyond Frontiers" atIndiaCouncil of Chemist, Malaysia	10.06.12	12.06.12
14	A. Ramachandraiah Professor	Spectral, Electrochemical and Molecular Modelling Studies of 6-Hydroxy-5-(E)-4-((E)-(2-hydroxy-4,6-dioxocyclohex-1enyl)diazenyl)-3,3-dimethoxybiphenyl-4-yl)diazenyl)pyrimidine-2,4(1H,3H)-dione	2ndInternation alconference on "Trends in Chemical Sciences GoingBeyond Frontiers" atIndiaCouncil of Chemist, Malaysia	10.06.12	12.6.12
15	G.V.P Chandramouli Professor	Synthesis of 4-Aryl -2- (1H-tetrazol-1-yl)-4H-benzo(h)chromine-3-carbonitrile Derivatives using Ionic liquids	Interface between chemical sciences and technologies, NIT Warangal	29.12.11	30.12.11
16	IAK Reddy Professor	Synthesis, Characterization and Catalytic Applications of Sulfonic acid Functionalized MCM-41	Interface between chemical sciences and technologies, NIT Warangal	29.12.11	30.12.11

17	IAK Reddy Professor	Palladium Dodecylamino Phosphate: A novel Efficient catalyst for Suzuki Coupling reaction	Interface between chemical sciences and technologies, NIT Warangal	29.12.2011	30.12.2011
18	P. Nageswara Rao Professor	Use of diazo coupling reaction for Spectrophotometric determination of Amisulprid in Pharmaceuticals	Interface between chemical sciences and technologies, NIT Warangal	29.12.2011	30.12.2011
19	P. Nageswara Rao Professor	Rapid HPLC Method for determination of Naproxcinod and its related substances by Fused Core Particle Technology Column	Interface between chemical sciences and technologies, NIT Warangal	29.12.2011	30.12.2011
20	K. Laxma Reddy Professor	Synthesis, Structural Characterization and Biological activity studies of Cu (II) complexes of Schiff bases synthesized from 3-Formyl Chromone and aromatic amines	Interface between chemical sciences and technologies, NIT Warangal	29.12.2011	30.12.2011
21	K. Laxma Reddy Professor	Comparative adsorption of Pb(Li) on Epichlorohydrine and Gluataraldehyde Cross –Linked Chitosan Functionalized with Xanthate	Interface between chemical sciences and technologies, NIT Warangal	29.12.2011	30.12.2011
22	K. Laxma Reddy Professor	Removal of Cr (VI) from waste water using Syzygium Cumini seed as Biosorbent	Interface between chemical sciences and technologies, NIT Warangal	29.12.2011	30.12.2011
23	B. Rajitha Professor	L-Pyroline Catalysed Highly efficient One pot Synthesis of Cromine derivativies	Interface between chemical sciences and technologies, NIT Warangal	29.12.2011	30.12.2011
24	V. Rajeswar Rao Professor	Synthesis and anti bacterial activity of 2-Pyranyl-4-aryl-7,8-dihydroquinoline derivatives catalysed by Cerium ammonium nitrate via multi component reaction	Interface between chemical sciences and technologies, NIT Warangal	29.12.2011	30.12.2011
25	K.V.Gobi Associate Professor	Activated Direct Electron Transfer of Cytochrome c at Au Bionanoconjugates for Electrocatalytic Detection of Superoxide Dismutase Enzyme	4th ISEAC International Discussion Meet on Electrochemistry and its Applications	(2011)	

26	K.V.Gobi Associate Professor	Electrochemical detection of Creatinine using impedance Spectroscopy	Interface between chemical sciences and technologies, NIT Warangal	29.12.2011	30.12.2011
27	V.SriLaxmi Associate Professor	Synthesis and gene transfer Efficacies of Novel Cationic Amphiphiles with Benzothiazole Head – groups: A structure activity investigation	Interface between chemical sciences and technologies, NIT Warangal	29.12.2011	30.12.2011
28	V.SriLaxmi Associate Professor	Synthesis and gene transfer Activities of Novel Serum Compatible Reducible Tocopherol Based Cationic Lipids	Interface between chemical sciences and technologies, NIT Warangal	29.12.2011	30.12.2011
29	Vishnu Shankar Assistant Professor	Photocatalutic degradation of an Azo Dye using nanocrystalline $NaTaO_3$ Synthesized by reverse Micellar route	Interface between chemical sciences and technologies, NIT Warangal	29.12.2011	30.12.2011
30	N. Venkatathri Assistant Professor	Titanium solid core mesoporus shell silica: A Novel efficient catalyst for ammximation reactions	2^{nd} international conference trends in chemical science going beyond frontiers, Hotel Pearl International, kuala Lumpur, Malaysia.	29.12.2011	30.12.2011
31	N. Venkatathri Assistant Professor	Effect of precursors and surface area on photoluminescence of ZnO-SiO2 nanocomposite.	International conference on Luminescence and its applications-2012, IICT Hyderabad	7.2.2012	10.2.12
32	N. Venkatathri Assistant Professor	Synthesis , characterization and catalytic applications of Acid Functionalized Mesoporous Silica	2^{nd} international conference trends in chemical science going beyond frontiers, Hotel Pearl International, kuala Lumpur, Malaysia.	10.6.2012	12.6.12

33	N. Venkatathri Assistant Professor	Synthesis, Characterization and Catalytic application of Ti-incorporated Nano structured material.	International conference on supramolecular chemistry and Nanomaterials, Mahatama Gandhi University, Kottayam	2012	
34	N. Venkatathri Assistant Professor	Synthesis of Tetrazoles using mesoporous Al MCM-41 Catalyst.	15th National workshop on the role of new material sin catalyst, IIT Madaras.	11.12.2011	13.12.11
35	N. Venkatathri Assistant Professor	Vanadium n-propylamino phosphate: A novel catalyst for Octahydroquinazolinones synthesis.	15th National workshop on the role of new material sin catalyst, IIT Madaras.	11.12.11	.13.12.11
35	N. Venkatathri Assistant Professor	Synthesis, characterization and catalytic applications of sulfonic acid functionalized MCM-41	Interface between chemical sciences and technologies, NIT Warangal	29.12.11	30.12.11
36	N. Venkatathri Assistant Professor	Palladium Do-decylamino phosphate: A novel efficient catalysitfor Suzuki coupling reactions.	Interface between chemical sciences and technologies, NIT Warangal	29.12.11	30.12.011
37	N. Venkatathri Assistant Professor	Effect of surface area on photoluminescence of ZnO-SiO2 nanocomposite.	Interface between chemical sciences and technologies, NIT Warangal	29.12.11	30.12.11



गणित विभाग Department of Mathematics



कम्प्यूटेशनल फ्लूइड डायनामिक्स इंजीनियरिंग में कांफ्रेंस 19 से 21 जनअरी में आयोजित किया
Conference Organized on Computational Fluid Dynamics Engineering held during 27-29, Jan 2012

PHYSICS DEPARTMENT:					
1	K. Srimannarayana Professor	Attended and presented a research paper at 3rd Asia pacific optical sensor conference (APOS, 2012).	Sydney, Australia.	31-1-2012	03-2-2012
2	L.R.G.Reddy Professor	Attended and presented a research paper at 33rd Int. Cof. Of IEEE on "Engineering in Medicine and Biology (EMBC – 2011)" entitled "Analysis of degree of nonlinearity and stochastic nature of HRV signal during meditation using delay Vector Variance Method"	Boston, MA, USA	30-8-2011	03-9-2011
3	Dr. T. Venkatappa Rao, Asst. Professor	International conference on Management, Applied and Social Sciences	Planetary Scientific Research Centre, Dubai(UAE)	24-3-2012	25-3-2012
4	Abdul Azeem Asst. Professor	ICMASS-2012	Dubai, UAE	24-3-2012	25-3-2012
5	Dr.P.Syam Prasad Assistant Professor	1.International conference on Luminescence and its applications(ICLA-2012)	IICT,Hydera bad,India.	07-02-2012	10-02-2012
		2.International conference of Nanotechnology, Biotechnology and Spectroscopy(ICNBS Egypt 2012)	Cairo, Egypt	01-03-2012	03-03-2012
MATHEMATICS DEPARTMENT:					
1.	Prof. Y.N.Reddy	I J A S Conference	University of Nevada Las Vegas, U.S.A.	13.3.2012	16.3.12
2.	Prof. J.V.Ramana Murthy	1st Int. Conference on Applied Science, Mathematics and Humanities	Malaysia	Nov 2011.	
3.	Prof. Debashis Dutta	Fuzzy programming with modified s-curve membership functions for multi-objective transportation problem	ICDeM 2012, held at UUM, Sintok, Malaysia	March, 2012	
4.	Dr.D.Srinivasachary a Asso. Professor	World Congress on Engineering and Technology	Shanghai, China	28.10.11	2.11.11
5.	Dr.D.Srinivasachary a Associate Professor	20th Congress of APSMS	Swarna Bharathi Institute Of Science & Technology, Khammam	9.12.11	11.12.11

6.	Dr.D.Srinivasa-charya, Associate Professor	56th Congress of ISTAM	S.V.N.I.T., Surat	19.12.11	21.12.11
7.	Dr.D.Srinivasa-charya, Associate Professor	International Conference on Fluid Dynamics and Thermodynamics Technologies	Singapore	17.3.12	18.3.12
8.	Dr.R.S.Selvaraj	3rd International Congress on Ultra Modern Telecommunications and Control Systems	Budapest, Hungary	5.10.11	7.10.11
HUMANITIES DEPARTMENT:					
1	D.S.Kesava Rao Professor	Literary Sources for Teaching Workplace Competences to Engineering Students, London International Conference on Education	London	7.11.11	10.11.11
		New Strategies and Materials for Teaching Soft Skills to Engineering Students: The Indian Context International Conference on Education Management and Innovation, (ICEMI)	Singapore	26.2.12	28.2.12
BIOTECHNOLOGY DEPARTMENT:					
1	Narasimhulu K Asst. Professor	1.International Conference on Tissue Engineering & Regenerative Medicine (ICTERM-2011)	NIT Rourkela, India	30.09.2011	02.10.2011
		2.9th WSEAS International Conference on Mathematical Biology and Ecology (MABE '12)	Harvard, Cambridge, USA	25.01.2012	27.01.2012
		3.International Conference on Biochemical, Bioprocess and Biomedical Engineering	Phuket, Thailand	12.03.2012	13.03.2012
2	Dr. P. Sreenivasa Rao, Asst. Professor	International Conference on Tissue Engineering & Regenerative Medicine (ICTERM-2011)	Thailand	12.03.2012	13.03.2012

4. RESEARCH PUBLICATIONS:

S. No.	Name of the Staff Member and Designation	Title of the paper	Name of journal in which published	Month & year of publication
CIVIL ENGINEERING DEPARTMENT:				
1.	Dr. N V Umamahesh (Co-author: A. Srinivasa Prasad, Vignan University)	Optimal Irrigation Planning Model for an Existing Storage Based Irrigation System in India	Irrigation and Drainage Systems (Springer)	June, 2011 Vol 25, Issue 1, page 19
2.	Dr. T.D. Gunneswara Rao	Soil Structure interaction of pile group	Interaction and multi scale mechanics	July 2011
3.	Sri S. Shankar, Dr. DSNV Amar Kumar and Dr. C.S.R.K Prasad	Evaluation of In-Situ Subgrade Strength for Low Volume Roads	International Conference on Road and Airfield Pavement Technology (ICPT), Bangkok	3-5 August 2011
4.	Dr. G. Rajesh Kumar	Self Curving Concrete	Proceedings of Int. Rilem Conference on "Advances in Construction materials through Sc. & Engg."	September 2011
5.	Dr. N V Umamahesh, (Co-author: S.Chandramouli, former student of M.Tech)	Comparison of stochastic and fuzzy dynamic programming models for operation of a multipurpose reservoir	Water and Environmental Journal	November, 2011 Vol 25, Issue 4, page 547 doi:10.1111/j.1747-6593.2011.00255.x
6.	Karthikeya Pavan Kumar PISIPATI and Dr. CSRK Prasad	Time - Use Analysis of Warangal City – An "Activity Based Approach	Urban Mobility India Research Symposium 2011	3-6 December 2011
7.	Pradeep Kumar D and Dr. CSRK Prasad	Corridor Management using Service Level Bench Marks	Urban Mobility India Research Symposium 2011	3-6 December 2011
8.	Dr. P. Rathish Kumar	Effect of Size and Shape of the specimen on the Compressive Strength of Glass Fiber Reinforced Concrete (GFRC)	International Journal of Facta Universtatis, Series Architecture and Engineering	ISSN 0354–4605, Vol 9, No.1, 2011 pp 1-9,
9.	Dr. N V Umamahesh, (Co-author: M.S. Babel and others, AIT, Bangkok)	Operation of a Hydropower System considering Environmental Flow Requirements – A Case Study in La Nga River Basin, Vietnam	Journal of Hydro-Environment Research (Elsevier)	January, 2012 Vol 6, Issue 1, page 63
10.	Dr. Venkaiah Chowdary	Influence of unbound material properties on rutting potential of low volume roads	*Elixir Cement and Concrete Composites*	January, 2012
11.	Dr. N V Umamahesh (Co-author: A.Srinivasa Prasad, Vignan University)	Short-Term Real-Time Reservoir Operation for Irrigation	ASCE Journal of Water Resources Planning and Management	Published online in February, 2012, to be published in 2012 DOI: 10.1061/(ASCE)WR.1943-5452.0000234

12.	G. Ramulu, S. Shankar, Dr. Venkaiah Chowdary and Dr. C.S.R.K Prasad	Influence of Unbound Material Properties on Rutting Potential of Low Volume Roads	*Elixir Cement & Con. Com. 42 (2012) 6377-6382*	2012
13.	Dr. P. Rathish Kumar	Damage Identification in a lightly reinforced Concrete Beam based on changes in Power Spectral Density	International Journal of Structure and Infrastructure Engineering, Taylor and Francis, United Kingdom.	Volume 8, Issue 8, 2012, Nos. 7-9, pp 715-727,
14.	Dr. V. Ramana Murty & Dr. P. Hari Krishna	Piled Footings – An effective Alternative to Under reamed Piles in expansive Soils	Ground Improvement, Thomas Telford, London	In Press
15.	Dr. S. Venkateswara Rao	Durability performance of Self compacting Concrete	Magazine of Concrete Research (MCR)	Accepted to publish
ELECTRICAL ENGINEERING DEPARTMENT:				
1.	J.Vijaya Kumar and Prof. D.M.Vinod Kumar	Optimal Bidding Strategy in a competitive Electricity Market using Differentila Evolution,	IEEE India Conference (INDICON)	16-18 Dec, 2011
2.	J.Vijaya Kumar and Prof. D.M.Vinod Kumar	Risk Constrained Bidding Strategy for Generation Companies in a Open Electricity Market using Fuzzy Adaptive Particle Swarm Optimiszation,	IEEE International Conferenceon Energy Automation and Signals (ICEAS)	28-30 Dec 2011
3.	J.Vijaya Kumar and Prof. D.M.Vinod Kuma	Bacterial Foraging based optimal bidding strategy in a competitive Electicity Market	Centenary Conference-EE	14-17 Dec 2011
4.	J.Vijaya Kumar and Prof. D.M.Vinod Kuma	Bidding Strategies for Generators and Large Consumers using Baterial Foraging Algorithm,	35th National Ssutems Conference (NSC)	9-11 Dec. 2011
5.	Mr. C. Venkatesh Prof. D.V.S.S. Siva Sarma, Professor.	Mitigation of Voltage Sag/Swell Using Peak Detector Based PWM Switched Autotransformer	Electric Power Components and Systems Journal, Taylor & Francis Group	Vol. 39, pp.1117-1133, Nov., 2011
6.	Mr. C. Venkatesh Prof. D.V.S.S. Siva Sarma, Professor.	Detection of Power Quality Disturbances using Phase Corrected Wavelet Transform	Journal of Institution of Engineers (India)	Vol. 93, No.1, pp. 37-42, March 2012
ELECTRONICS AND COMMUNICATION ENGG. DEPARTMENT:				
1	Prof. N. V. S. N. Sarma	Energy Efficient Routing Protocol with Improved Clustering Strategies for Homogeneous Wireless Sensor Networks	International Journal of Computer Applications, Vol. 38(8), Foundation of Computer Science, New York, USA. PP22-29	January 2012,
2	Prof. N. V. S. N. Sarma	Maximizing Network Lifetime through Varying Transmission Radii with Energy Efficient Cluster Routing Algorithm in Wireless Sensor Networks	International Journal of Information and Electronics Engineering, Vol. 2(2), Pp205-209	March 2012,

4	Dr. T. Kishore Kumar	UWB Impulse Based Radar Signals for Through-The-Wall Imaging"	DEFENCE SCIENCE JOURNAL, A Defence Research Development Organisation publications, Vol. 62, No. 3, New Delhi, India.	May 2012
5	Sri. P. Hari Krishna Prasad	Alternative method for SSB signal generation	IETE Journal of Education, Vol. 52, No. 1,pp 87-90	July-December, 2011
6	Ch. Sulakshana and L. Anjaneyulu	A CPW fed E-shaped Reconfigurable Antenna with Frequency Diversity	International Journal of Information and Electronics Engineering, Vol. 2, No. 2, pp 174-178	March 2012
7	S.Anuradha, Dr.K.V.V.S.Reddy	Performance analysis of Blind Multiuser Detectors for Cdma	International journal of wireless Networking and Communications, Vol 2(2), pp 1-6	2012
8	Sri. Amara Prakasa Rao	Interference suppression in multiple Beams Adaptive Linear Array using GA	ATMS-12, Mumbai	February 2012
9	Smt. V. Rama Asst. Professor	Arrhythmia Detection through ECG Feature Extraction using Wavelet Analysis	European Journal of Scientific Research ISSN1450-215X Vol. 66 No.3	2011 PP. 441-448
MECHANICAL ENGINEERING DEPARTMENT:				
1	G.Naga Srinivasulu Assistant Professor	Parametric Sensitivity Analysis of PEM Electrochemical Model	International Journal of Hydrogen Energy	November, 2011
2.	G. Amba Prasad Rao Professor	Prediction of heat-release patterns for modeling Diesel engine performance and emissions	International Journal of Advances in Engineering & Technology	March 2012
3.	*G. Amba Prasad Rao Professor*	Performance Evaluation of Battery Electric Vehicles – A Computational Study	*Journal of Alternate Energy Sources & Technologies*	*Volume 2, Issue 1, April 2012, Pages*
4.	K. Madhu Murthy and G. Amba Prasad Rao Professors	NOx Reduction Strategies for a B40 Fuelled Direct Injection Diesel Engine	International Journal of Mechanical Engineering	January-June 2012 • Volume 5 • Issue 1
5.	G. Amba Prasad Rao Professor	Experimental investigations of Non-Volatile particle number concentration from a range of multi-utility vehicles over emission cycle complying different norms	International Journal of Automotive Engineering	Vol. 2, Number 3, July 2012
6.	T. SADASIVA RAO, Asst. Professor	Studies on The Effect of Approach Angle and Process Parameters in Face Milling	Applied Mechanics and Materials	Online since October, 2011. DOI: 10.4028/ www.scientific.net /AMM.110-116.3147
	Dr. C. GURURAJA RAO, Professor, Mechanical Engg.	Parametric Studies and Correlations for Combined Conduction-Mixed Convection-Radiation from a Non-	Heat and Mass Transfer	48, 505-517 2012

7.		Identically and Discretely Heated Vertical Plate		
8.	Dr. C. GURURAJA RAO, Professor, Mechanical Engg.	Interaction of Surface Radiation with Conjugate Mixed Convection from a Vertical Plate with Multiple Non-identical Discrete Heat Sources	Chemical Engineering Communications	198, 692-710 2011
9.	Dr. C. GURURAJA RAO, Professor, Mechanical Engg.	Effect of Surface Radiation on Conjugate Convection in a Closed and Discretely Heated Rectangular Cavity	International Journal of Advanced Engineering Technology	2, 172-183 2011
10	S. Srinivasa Rao and K. Madhu Murthy Professors	"The Life Cycle Cost Analysis of a Solar Stirling Dish Power Generation System"	Energy Sources, Part B, 7:131–139, ISSN: 1556-7249 print/ 1556-7257 online	2012
11	K. Madhu Murthy, G.Amba Prasad Rao Professors	"Prediction of heat-release patterns for modeling diesel engine performance and emissions"	Proceedings of the 'International Conference on Trends in Industrial and Mechanical Engineering (ICTIME-2012)', Dubai	24-25 March 2012
12	Amba Prasad Rao . G, and Madhu Murthy. K Professors	"Evaluation of Particulate traps for reduction of diesel engine exhaust smoke"	Proceedings of the International Conference on Trends in Industrial and Mechanical Engineering (ICTIME-2012)	24-25 March 2012
13	K. Madhu Murthy, and Amba Prasad Rao. G Professors	"Effect of oxygenated additives on control of emissions in a DI diesel engine using biodiesel-diesel blends"	Proceedings of the International Conference on Mechanical, Automobile and Robotics Engineering (ICMAR-2012)', Penang, Malaysia	11 -12, February 2012,
14	K. Madhu Murthy, and Amba Prasad Rao. G Professors	"Influence of fuel injection parameters of DI diesel engine fuelled with biodiesel and diesel blends"	Proceedings of the International Conference on Mechanical, Automobile and Robotics Engineering (ICMAR-2012)', Penang, Malaysia	11 -12, February 2012,
15	K. Madhu Murthy, and G. Amba Prasad Rao Professors	"Effect of Ethanol and Diethyl Ether as additives for improving performance of engine with biodiesel-diesel blends"	IIIrd International Conference on "Advances in Energy Research" IIT Bombay (Accepted) Manuscript No. MS#ICAER11/136.ICAER 2011	9–11 December, 2011
16	Puli Ravi Kumar, K. Madhu Murthy Professors	"Zero Dimensional Simulation of Combustion Process of a DI Diesel Engine Fuelled with Biofuels"	International Journal of Mechanical and Materials Engineering, Vol.2, No.1, pp 18-24.	2011
17	Puli Ravi Kumar, K. Madhu Murthy Professors	"Performance and Emission Characteristics of Diesel Engine run on Biofuel based on Experimental and Semi Analytical Methods",	International Journal of Energy and Environment, Vol.2, No.5, pp. 899-908.	2011

18	Puli Ravi Kumar, K. Madhu Murthy Professors	"Performance Charcteristics of Diesel Engine Operated on Biodiesel with Exhaust Gas Recirculation"	International Journal of Advanced Engineering and Technology,Vol.2, Issue.2. pp.202-208.	April-June 2011
19	Puli Ravi Kumar, K. Madhu Murthy Professors	"The Effect of Supercharging on Performance and Emission Charcteristics of C.I. Engine with Diesel-Ethonol-Ester blends",	Journal of Thermal Science (International Scientific Journal) 10.2298/TSCI1005130 42D.	2011
20	Puli Ravi Kumar, K. Madhu Murthy Professors	"Biodiesel Preparation by Transesterfication and Testing in a Diesel Engine",	Proceedings of the International Conference on Recent Innovations in Technology, Rajiv Gandhi Institute of Technology, Kottayam, pp. 391-396.	10-12 February 2011
21	Dr S.Srinivasa Rao, Professor	Two-Phase Pressure Drop Calculations in Small Diameter Inclined Tubes	International Journal of Engineering and Technology	Vol 1 (3) June, (2012), pp.168-181
22	Dr S.Srinivasa Rao, Professor	Experimental Study On Two-Phase Pressure Drop Of Air-Water In Small Diameter Tubes At Horizontal Orientation	Thermal Science International Journal online, (http://thermalscience.vinca.rs/online-first)	April 2012
23	Dr S.Srinivasa Rao, Professor	Life Cycle Cost Analysis of Solar Stirling Dish Power Generation System	Energy Sources, Part B, 7:131–139, 2012 Copyright © Taylor & Francis Group, LLC ISSN: 1556-7249 print/1556-7257 online DOI: 10.1080/ 15567240903047566	February, 2012
24	Dr. Y. Ravi Kumar, Asst. Professor	Modelling and Simulation of Bio-Medical Components by Selective Laser Sintering	International Journal of Rapid Manufacturing	August 2011
25	Dr. Y. Ravi Kumar, Asst. Professor	Bio-modelling using Rapid Prototyping by Fused Deposition	Advanced Materials Research	June 2012
26	R.V. CHALAM Professor	Optimum Design of Ackerman Mechanism	International Journal on Mechanical and Automobile Engineering	Vol. 15, No.1, 2011, pp. 64-75. (ISSN 0974-231X)
27	R.V. CHALAM Professor	Design and Development of New Steering Mechanisms	Proceedings of National Conference on Recent Advances in Mechanical Engineering NCRAME-2011	July 2011, pp. 311-315.
28	R.V. CHALAM Professor	Optimum Energy Loss in Electromagnetic Bearing	3rd Int Conference on Electronics & Computer Technology, ICECT-2011, IEEE Conference,	August 2012 Vol.3, pp. 374-379.
29	R.V. CHALAM Professor	Radial Magnetic Bearing Design with Loss Optimization Approach	ARTCom 2011	October 2012

30	R.V. CHALAM Professor	Optimal Power Loss Analysis of Radial Magnetic Bearing using Multi Objective Genetic Algorithm	International Journal of Computer Applications	Vol 27, No. 6, August 2011
31	R.V. CHALAM Professor	Optimum Power Loss Analysis of Radial Magnetic Bearing: Multi ObjectiveGenetic Algorithm	International Journal of Advances in Engineering and Technology	Vol. 1, No.4, September 2011, pp. 249-261.
32	R.V. CHALAM Professor	A Simple Mechanism Promising Perfect Steering	International Journal on Mechanical and Automobile Engineering	Vol. 17, No.1, 2011, pp. 48-55. (ISSN 0974-231X)
33	R.V. CHALAM Professor	A Simple Gear Type Mechanism for Steering of an Automobile	International Journal on Mechanical and Automobile Engineering	Vol. 20, No.1, January 2012, pp. 29-36. (ISSN 0974-231X)
34	Ravi Kumar Puli, Veeresh Babu.A Professor and Assistant Professor	Effect Of Injection Pressure On The Performance And Smoke Formation Of Low Heat Rejection Engine Using Pongamia Methyl Ester	Journal of Engineering research and studies	JERS/Vol.II/ Issue III/July-September,2011/ 132-136.
35	Ravi Kumar Puli Professor	Application of Thermal Barrier Coatings in Diesel Engines: A Review	Science and Technology	2011; 1(1): 1-9, DOI: 10. 5923/j.scit.20110 101.01.
36	Ravi kumar Puli Professor	Performance Evaluation Of Lean Combustion Technology In Diesel Engin	Journal of Engineering Research and Studies	JERS/Vol.II/ Issue II/April-June,2011/113-118
37	Ravi Kumar Puli Professor	Evaluation of Performance and Emission Characteristics of Lean Combustion with High Energy Spark Ignition	International Journal of Energy and Power	volume 1(1) 2011.
38	Ravi Kumar Puli Professor	Lean combustion technology for internal combustion engines: A review	International Journal of Science and Technology	volume 2(1) 2012.
39	C.S.P.Rao Professor	Mechanical and dry sliding wear behaviours of Al7075 alloy-reinforced with SiC particles	International Journal of Composite Materials	Vol-46, No.10, May 2012.
40	C.S.P.Rao Professor	Studies on Mechanical and dry sliding wear of Al6061 – SiC composites	Journal of Composites part B	April 2012
41	C.S.P.Rao Professor	A new methodology for recognizing features in rotational parts using STEP	International Journal of Engineering Science and Technology	July, 2011
42	C.S.P.Rao Professor	Theoretical Analysis on Powers-of-two Applied to JSP – A Case Study of Turbine Manufacturing	International Journal of Green Computing Vol.2	Issue2, 2011
43	C.S.P.Rao Professor	Simultaneous Tolerance Synthesis for Manufacturing and quality using evolutionary algorithms	International Journal of applied evolutionary computation (IJAEC)	vol.2, No.2, 2011.
44	C.S.P.Rao Professor	Mechanical and Tribological Behaviour of Particulate	Journal of Minerals & Materials	Vol. 10, No.1,

		Reinforced Aluminium Metal Matrix Composites – a review	Characterization & Engineering	2011
45	C.S.P.Rao Professor	Application of VRML and PNML for feature recognition of Mechanical Parts	*Journal of Computer Science and Engineering*	July, 2011.
46	V. Vasu Assistant Professor	Effect of mininimum quantity lubrication with Al_2O_3 nanopartilces on surface roughnes, tool wear and temperature dissipation in machining Inconel 600 alloy	, IMechE Journal of Nanoengineering and Nanosystems	Vol.225, pp. 3-15, 2011
47	V. Vasu Assistant Professor	Analysis of Nanofluids as cutting Fluids in Grinding EN-31 steel	Nano-Micro Letters	Vol. 3, no.4, pp.209-214, 2011
48	V. Vasu Assistant Professor	Optimal path planning of an autonomous mobile robot using genetic Algorithm	Advanced Mateials Research Journal	, Vol 488, pp.1747-1751, 2012
49	M J Davidson, N Selvaraj Assistant Professor and Professor	FEM Based Simulation Studies on Tube End Expansion of AA 6061 Tubes	International Journal of Advanced Engineering & Application.	January 2011
50	Davidson. M.J, Selvaraj. N, Assistant Professor and Professor	Analysis of Tube End Formability of AA 2024 Tubes Using FEM	International Journal of Current Engineering and Technology	March 2012
51	M. J. Davidson, Assistant Professor	A Study on Effect of Process Parameters on the Expansion of Thin Walled Aluminium 7075 Tubes	International Journal of Advanced Science and Technology	November, 2011
52	Dr.A.Kumar Associate Professor	Influence of Grain Refining Elements on Mechanical Properties of AISI 430 Ferritic Stainless Steel Weldments - Taguchi Approach.	Journal of Materials & Design,	Vol.36, Issue 04, April 2012, PP 443-450
53	Dr.A.Kumar Associate Professor	Effect of aluminium addition on mechanical properties of AISI 430 ferritic stainless steel GTA welds	Journal of Mechanical Engineering and Material Science	July-December 2011.
54	Dr.A.Kumar Associate Professor	Dry sliding wear and Static immersion corrosion resistance of Aluminum alloy 6061-T6/SiCp metal matrix composite prepared via Friction stir processing	International Journal of Applied Research in Mechanical Engineering (IJARME)	vo.1,Issue-2., 2011
55	Dr.A.Kumar Associate Professor	Effect of Titanium addition on mechanical properties of AISI 430 ferritic stainless steel GTA welds	Steel Grips,International Journal	April, 2012
56	R.N. Rao Associate Professor	Effect of fiber content and alkali treatment on mechanical properties of roystonea regia reinforced epoxy partially bio degradable composites	Bull. Mater. Sci., Springer	Vol. 34, No. 7, December 2011, pp. 1575–1581.
57	R.N. Rao Associate Professor	Mechanism of material removal during tribological behavior of aluminium matrix (Al-Zn-Mg-Cu) composites	Tribology International, ELSEVIER	Vol. 53, April 2012, Pages 179–184. :ISSN:0301-679X

58	R.N. Rao Associate Professor	Effect of surface modification and hybridization on Dynamic mechanical properties of roystonea regia/glass-epoxy composites.	Bull. Mater. Sci., Springer	April 18, 2012, Issue 6, Vol. 35, 2012 BOMS-D-11-00531
59	R.N. Rao Associate Professor	Mechanical and electrical performance of roystonea regia/glass fiber reinforced epoxy hybrid composites.	Bull. Mater. Sci., Springer	Issue 2, Volume 35, 2012, BOMS-D-11-00132
60	R.N. Rao Associate Professor	Effect of β/α strength ratio on the stress-strain curve of beta titanium alloy by Finite Element Modelling	Int. Journal of Mechanical and Industrial Engg.(IJMIE)	Vol-1, Issue-4, June 2012, Pages 71-75. ISSN No. 2231 –6477
61	R.N. Rao Associate Professor	Synthesis and Characterisation of Titanium Oxide Nanopowders for Lithium-Ion Batteries"	Archives of Applied Science Research, (Scientific Research)	June 2012, 4 (3):1528-1531.
62	R.N. Rao Associate Professor	Finite Element modeling of stress strain curve and micro stress and micro strain distributions of Titanium alloys – A Review.	Journal of Minerals and Materials Characterization and Engineering	doi:10.4236/ jmmce. 2012. Published Online, Scientific Research.
63	Venu Gopal Anne Professor	"Taguchi analysis on cutting forces and temperature in turning Titanium Ti-6Al-4V"	International Journal of Mechanical and Industrial Engineering (IJMIE),	ISSN No. 2231 - 6477, Vol 1 Issue 4 (2012) pp 55-59
64	Venu Gopal Anne Professor	"Studies on The Effect of Approach Angle and Process Parameters in Face Milling"	International Journal of Applied Mechanics and materials	Vols.110-116 (2012) pp 3147-3155
COMPUTER SCIENCE AND ENGINEERING DEPARTMENT:				
1.	Dr. R. Padmavathy, Asst.Prof	Discrete Logarithm Problem using Index Calculus Method	Mathematical and Computer Modelling, (Elsevier)	Vol 55(1-2),2012
2	Dr. R. Padmavathy, Asst.Prof	Improved Fast and Secure Hash Algorithm	Journal of Information and Processing Systems	Vol8(1), 2012
3	Dr. R. Padmavathy, Asst.Prof	Block Lanczos to Solve Integer Factorization Problem using GPU's	Advances in Computer Science and Information Technology, LNICST	Vol 84 , 2012
4	Poornima A.S, B.B.Amberker	PERSEN: Power Efficient Logical Ring based Key Management for Clustered Sensor Networks	Int. J. of Sensor Networks 2011 - Vol. 10, No.1/2 pp. 94 - 103, 2011	Vol. 10, No.1/2 pp. 94 –103, 2011
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7	Nagaraj Dharwadkar and B.B. Amberker	High perceptual quality and robust color image watermarking scheme using Julian set patterns in DWT-SVD	International Journal of Tomography & Statistics	Volume 19, Issue Number 1, pp 14-31, 2012.
8	Nagaraj V.Dharwadkar and B. B. Amberker	*Secure and distortionless gray-scale medical image watermarking scheme*,	Journal of Medical Imaging and Health Informatics, American Scientific Publishers	Vo.2, No.3, September, 2012
9	S.G. Sanjeevi, A. Naga Nikhila,Thaseem Khan and G. Sumathi	Hybrid PSO-SA algorithm for training a Neural Network for Classification	International Journal of Computer Science, Engineering and Applications (IJCSEA),	ISSN: 2230-9616, Vol.1, No.6, December 2011
10	Srilatha Chebrolu, S. G Sanjeevi	Rough set theory for Discretization based on Boolean Reasoning and Genetic Algorithm	International Journal of Computing and Corporate Research, ISSN	2249-054 X, VOLUME 2 ISSUE 1 JANUARY 2012
11	S.G. Sanjeevi, A. Naga Nikhila,Thaseem Khan and G. Sumathi	Comparison of Hybrid PSO-SA algorithm and Genetic algorithm for Neural Network training",	Computer Engineering and Intelligent Systems ISSN	2222-2863, Vol 3, No 2 (2012)
12	Srilatha Chebrolu and Sriram G Sanjeevi	Attribute Reduction in Decision-Theoretic Rough Set Models using Genetic Algorithm"	Joint International conference on Fuzzy and Neural Computing Conference, Lecture Notes in Computer Science, 2011	Volume 7076/2011, 307-314 , Dec 19th-21st 2011, Vishakapatnam
13	YR Ramesh Kumar, A Govardhan, RBV Subramanyam	Predicting Intraday Prices with Stock Market Transactions using Similarity Profiled Temporal Associations	International Journal of Data Analysis Techniques and Strategies (IJDATS), Inderscience Publishers.	
14	B.Raju, Asst. Professor	Multiple Pattern Matching Algorithm using Pair-count	IJCSI International Journal of Computer Science Issues,	Vol. 8, Issue 4, No 2,July 2011. IF:0.242
15	B.Raju, Asst. Professor	2-jump DNA search multiple pattern matching algorithm	IJCSI International Journal of Computer Science Issues	Vol. 8, Issue 3, No.1, May 2011 ISSN (Online): 1694-0814. IF:0.242
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17	B.Raju, Asst. Professor	Index based Even odd multiple pattern matching algorithm	International Journal of Engineering Science and Technology (IJEST).	ISSN : 0975-5462 Vol. 3 No. 3 March 2011
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20	B.Raju, Asst. Professor	An index based random multiple pattern matching algorithm.	3rd International Conference on Computer Modeling and Simulation	978-1-4244-9243-Pg:5-11,ICCMS 2011
21	B.Raju, Asst. Professor	Index based sequential multiple pattern matching algorithm using pair indexing	International Conference on Life Science and Technology	978-1-4244-9249,Pg:7-11 ICLST 2011.
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METALLURGICAL AND MATERIALS ENGG. DEPARTMENT:				
1.	Dr. G. V. S. Nageswara Rao, Professor & Head	a. Electrochemical Characterization of Biomedical Titanium (Ti-35Nb-7Zn-5Ta) alloy.	International Journal of Advanced Engineering Technology	Vol 3, Issue 1, Jan-March, 2012
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CHEMICAL ENGINEERING DEPARTMENT:				
1	G. Venkat Reddy, Professor	Fluidized Bed Combustion of Groundnut shells for Energy Recovery	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	Vol. 33: 833-844, 2011
2	G. Venkat Reddy, Professor	Comparison of combustion characteristics of rice husk, sawdust and groundnut shells in a bubbling fluidized bed	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	Vol. 33: 2181-2193, 2011
3	G. Venkat Reddy, Professor	Modelling and Optimization of Citric Acid Fermentation Process by Statistical Experimental Designs	International Journal of Chemical and Environmental Engineering Systems	Vol. 2(2), 2011, 18-22

4	G. Venkat Reddy, Professor	Optimization of Incubation Time, Fermentation Temperature and Oxygen Flow Rate in Citric Acid Fermentation Using Response Surface Methodology	International Journal of Advanced Engineering and Technology	Vol. 3, 2012, 64-67
5	Prof.R.C.Sastry& Ramesh,Ch	Synthesis of Itaconic acid using Ustilagomaydis	Canadian Journal on Chemical Engineering & Technology	Vol2,No7, September 2011
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7	Prof.R.C.Sastry& Anji Reddy,B	Biomass Gasification Processes in Downdraft Fixed Bed Reactors: A Review	International Journal of Chemical Engineering and Applications	Vol2,issue3,2011
8	Y. Pydi Setty, Professor	Isolation & Characterization of Naphthalene degrading bacteria from soils in Warangal	International Journal of Applied Biology & Pharmaceutical Technology	Vol. 2, No. 3, July-September, 94-103, 2011
9	-do-	Effect of Nitrogen Sources on Microbial Production of Xylitol	International Journal of Applied Biology & Pharmaceutical Technology	Vol. 2, No. 3, July-September, 219-224, (2011
10	-do-	Optimization of parameters for denitrification of waste water using fluidized bed bioreactor by Taguchi method	International journal of Biotechnology Applications, ISSN: 0975-2943	Vol. 3, Issue 3, 2011, pp 97-101
11	-do-	Biological denitrification of waste water in a fluidized bed bioreactor by immobilization of Pseudomonas stutzeri using poly propylene granules	International journal of Biotechnology Applications, ISSN: 0975-2943	Vol. 3, Issue 3, 2011, pp 106-109
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14	-do-	Biological denitrification of waste water with immobilized cells of *Pseudomonas stutzeri* attached to polypropylene and polyxymethylene	International Journal of Biological, Ecological and Environmental Sciences	Vol. 1, No. 2, March 2012, ISSN 2277-4394, pp 42-45
15	A.Venu Vinod Associate Professor	Microfluidics of Nanodrug Delivery: Effect of Reynolds Number Ratio and Particle Size	Chemical Product and Process Modeling	Vol. 6: Iss. 1, Article 32, 2011.
16	-do-	Controllability of Distillation Sequences for the Separation of Ternary Mixture	Chemical Product and Process Modeling	Vol. 6: Iss. 1, Article 29, 2011
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22	K.Anand Kishore & G. Venkat Reddy	Statistical Design and optimization of Metal ion concentrations for submerged fermentation of Citric acid",	Journal of Scientific reviev and Chemical communication	Vol.2, No.1, pp: 66-75, ISSN 2277-2669, 2012.
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27	S.Srinath Assistant professor, G.Venkat Reddy Professor	Fuel particle size effect on performance of Fluidized Bed Combustor firing groundnut shells	International Journal of Chemical Engineering and Applications	Vol 3, No. 2, pp 147-151 April 2012
28	-do -	Effect of fuel particle size on emissions and performance of Fluidised bed Combustor	proceedings of International Conference of Chemical Biological & Environmental Engineering	December 2011 Vol 24 Pp 309-313
29	-do -	Combustion of Agro-waste in a fluidized bed for heat recovery	Proceedings of International Conference on Chemical, Environmental and Biological Sciences (ICCEBS'2012)	February pp no 78-82



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30	-do -	Modeling Fluidized Bed Combustion of Rice husk	Proceedings of International Conference on Chemical, Civil and Environmental engineering (ICCEE'2012)	March , 2012 pp no 301 -304
31	Srinu Naik. S and Y. Pydi Setty	International Conference on Biotechnology and Environment Management (ICBEM 2011)	Singapore	19-09-2011
32	Srinu Naik. S and Y. Pydi Setty	International conference on Chemical, Environmental and biological sciences	Penang, Malaysia	11-02-2012
MATHEMATICS DEPARTMENT:				
1.	Prof. G.R.K.Acharya	Dispersion of a Solute in Peristaltic Motion of a Couple Stress Fluid in the Presence of Magnetic Field	International Journal of Engineering and Applied Sciences	Vol.7,No.3, pp.155 (2011)
2.	Prof. G.R.K.Acharya	Dispersion of a solute in Peristaltic transport of Micropolar Fluid in the Presence of Magnetic Field through a Porous Medium	Proc. Int. Conf. on Fluid Dynamics and its applications, Bangalore, India	Bangalore, India, pp.107 (2011)
3.	Prof. G.R.K.Acharya	The Effect of Peristalsis on Dispersion in a Micropolar Fluid	International Journal of Applied Mathematics and Mechanics	Vol.7 (13), pp. 45 (2011)
4.	Prof. G.R.K.Acharya	Effect of Slip on Heat Transfer to Peristaltic Transport in the presence of Magnetic Field with Wall Properties	Journal of Engineering and Applied Sciences(ARPN)	Vol.6(7) (2011)
5.	Prof. G.R.K.Acharya	The effect of peristalsis on dispersion in micropolar fluid through a porous medium	Journal of Porous Media	Vol. 15, 2012.
6.	Prof. G.R.K.Acharya	Effect of Slip and magnetic Field on Peristaltic Transport of an incompressible Newtonian fluid in a two dimensional inclined Channel with wall properties	International Journal of Biomathematics	2012
7.	Prof. G.R.K.Acharya	Effect of Slip on Peristaltic Transport of Herschel-Bulkley Fluid in an inclined channel with wall properties	Tamkang Journal of Engineering and Science	2012
8.	Prof. G.R.K.Acharya	Dispersion of a solute in Peristaltic motion of a couple stress fluid through a porous medium	Tamkang Journal of Engineering and Science	2012
9.	Prof. Y.N.Reddy	A Nonstandard Explicit Method for Solving Singularly Perturbed Two Point Boundary Value Problem	Int. J. of Appl. Math. and Mech	8(2)62-76, 2012
10.	Prof. Y.N.Reddy	Numerical Integration Method for Singularly Perturbed Delay Differential Equations	American Journal of Computational and Applied Mathematics	Vol.1, 2012

11.	Prof. Y.N.Reddy	Numerical solution of singularly perturbed differential-difference equations with small shifts of mixed type by Differential Quadrature Method	American Journal of Computational and Applied Mathematics	Vol-2, No-1, 2012, pp:46-52.
12.	Prof. Y.N.Reddy	Fitted Van Veldhuizen finite difference method for singular perturbation problems with layer behaviour	International e Journal of Mathematics and Engineering	153, (2012), pp-1399-1410
13.	Prof. Y.N.Reddy	Differential Quadrature Method for the general singular perturbation problems	International Journal of Mathematical Sciences and Applications	Vol.-1, No.-2,May 2011, pp-975-999
14.	Prof. Y.N.Reddy	Numerical treatment of Singularly Perturbed Delay Differential Equations	IOSR Journal of Mathematics	Vol:1(1) 2012
15.	Prof. Y.N.Reddy	Boundary value method for solving singular perturbation problems via Pade' approximates	International Journal of Applied Science and Engineering	2012
16.	Prof. Y.N.Reddy	A Numerical Scheme for Nonlinear Singularly Perturbed Two point Boundary Value Problems using Locally Exact Integration	IOSR Journal of Mathematics	2012
17.	Prof. K.N.S.Kasi Viswanadham	Quartic B-spline collocation method for fifth order boundary value problems	International Journal for Computers and Applications	Vol.43(13), 2012, pp.1-6
18.	Prof. K.N.S.Kasi Viswanadham	Quintic B-spline Collocation method for eighth order boundary value problems	Advances in Computational Mathematics and its Applications	Vol. 1(1), 2012 pp. 47-52
19.	Prof. K.N.S.Kasi Viswanadham	Quintic B-spline Collocation method for sixth order boundary value problems	Global Journal of Researches in Engineering (I)	Vol. 12(1), 2012 pp. 1-8
20.	Prof. K.N.S.Kasi Viswanadham	Cubic B-spline collocation method for fifth order boundary value problems	International Journal for Mathematical Sciences and Engineering Applications	Vol. 6(2), 2012 pp. 431-447
21.	Prof. J.V.Ramana Murthy	Steady flow of micropolar fluid in a rectangular channel under transverse magnetic field with suction	AIP Advances	1 032123 pp 1-10, 2011
22.	Prof. J.V.Ramana Murthy	Rotary oscillations of a permeable sphere in an incompressible micropolar fluid	I.J.A.M.M	Vol 8(16),2012, pp79 - 91.
23.	Prof. J.V.Ramana Murthy	Free surface of a rotating micropolar fluid in a cylindrical container with porous lining	I.J.A.M.M	Vol 8(15) 2012, pp 76-88.
24.	Prof. J.V.Ramana Murthy	Variational Iteration Method for MHD Flow of Couple Stress Fluids in Rotating Cylinders with Porous Lining	1st Int. Conference on Applied Science, Mathematics and Humanities	Malaysia, Nov 2011
25.	Prof. Debashis Dutta	Fuzzy programming with modified s-curve membership functions for multi-objective transportation problem	ICDeM 2012, held at UUM, Sintok, Malaysia	pp 71-78, 2012

26.	Dr.D.Srinivasacharya Associate Professor	Flow and Heat transfer of couple stress fluid between two parallel porous plates	IAENG Journal of Applied Mechanics	Vol 41 (2), pp 150-154, 2011.
27.	Dr.D.Srinivasacharya Associate Professor	Soret and Dufour Effects on Mixed Convection in a Non-Darcy Micropolar Fluid	Int. J. of Non-Linear Science	Vol 11 (2), pp.246-255, 2011
28.	Dr.D.Srinivasacharya Associate Professor	Creeping flow past a porous approximate sphere – Stress jump boundary condition	Z. Angew. Math. Mech	Vol 91 (10), 824 – 831 2011.
29.	Dr.D.Srinivasacharya Associate Professor	Effect of Double Stratification on Mixed Convection in a Micropolar Fluid	Korean J of Chemical Engg.	Vol 28(9), 1824-1832, 2011.
30.	Dr.D.Srinivasacharya Associate Professor	Soret and Dufour Effects on Mixed Convection from an Exponentially Stretching Surface	Int. J. of Nonlinear Science	Vol.12(1), pp.60-68, 2011
31.	Dr.D.Srinivasacharya Associate Professor	Mixed Convection in a Couple Stress Fluid with Soret and Dufour Effects	Int. J. of App. Math. and Mech	Vol 7 (20): 59-71, 2011
32.	Dr.D.Srinivasacharya Associate Professor	Effect of Double Stratification on Free Convection in a Micropolar Fluid	Transactions of ASME – Journal of Heat Transfer	Vol 133 (12), 122502 (7pages), 2011
33.	Dr.D.Srinivasacharya Associate Professor	Analytical Solution for Chemically Reacting Free Convective Couple Stress Fluid in an Annulus with Soret and Dufour Effects	International Review of Mechanical Engineering	Vol. 5 (5), pp 823-233, 2011
34.	Dr.D.Srinivasacharya Associate Professor	Creeping flow past a porous approximately spherical shell - Stress jump boundary condition	ANZIAM Journal	Vol 52, pp289-300, 2011
35.	Dr.D.Srinivasacharya Associate Professor	Analytical Solution of MHD Free Convective Flow of Couple Stress Fluid in an Annulus with Hall and Ion-slip effects	Nonlinear Analysis: Modelling and Control	Vol. 16, No. 4, 477–487, 2011
36.	Dr.D.Srinivasacharya Associate Professor	Mixed convection flow of Couple Stress Fluid between parallel vertical plates with Hall and Ion-slip effects	Commun Nonlinear Sci Numer Simulation	Vol 17, 2447–2462, 2012
37.	Dr.D.Srinivasacharya Associate Professor	Natural convection flow of a Couple stress fluid between two vertical parallel plates with Hall and Ion-slip effects	Acta Mech. Sin.	Vol. 28(1), 41–50, 2012
38.	Dr.D.Srinivasacharya Associate Professor	Flow of Micropolar Fluid Through Catheterized Artery - A Mathematical Model	Int. J. of Biomathematics	Vol. 5(2) 1250019-1- 12, 2012
39.	Dr.D.Srinivasacharya Associate Professor	Magnetic and double dispersion effects on free convection in a non-Darcy porous medium saturated with power-law fluid	Int. J. for Comp. Meth. in Eng. Sci. & Mech	Vol. 13, 210–218, 2012
40.	Dr.D.Srinivasacharya Associate Professor	Steady streaming effect on the flow of a couple stress fluid through a constricted annulus	Arch. Mech	Vol. 64, 2, pp. 137–152, 2012
41.	Dr.D.Srinivasacharya Associate Professor	Soret and Dufour effects on Natural Convection in Power-law fluid Saturated Porous Medium	Int. Rev. Mech. Engg	Vol. 6, No. 3, 397 - 404

42.	Dr.D.Srinivasacharya Associate Professor	On the Motion of a Porous Spherical Shell in a Bounded Medium	Adv. Theor. Appl. Mech	Vol. 5, 2012, no. 6, 247 - 256
43.	Dr.D.Srinivasacharya Associate Professor	Soret and Dufour Effects on Mixed Convection from an Exponentially Stretching Surface in Non-Darcy Porous Medium	International Conference on Fluid Dynamics and Thermodynamics Technologies, IPCSIT	vol.33, 43-48, 2012
44.	Dr.D.Srinivasacharya Associate Professor	Free convection flow of Couple Stress fluid between parallel Disks	International Conference on Fluid Dynamics and Thermodynamics Technologies, IPCSIT	vol.33, 13-18, 2012
45.	Dr. P.Muthu Associate Professor	Flow of Newtonian fluid in non-uniform tubes with application to renal flow : A Numerical study	Advances in Applied Mathematics and Mechanics	2012
46.	Dr. P.Muthu Associate Professor	Effect of slip on peristalsis with permeable walls	Journal of Applied Mathematics and Fluid Mechanics(JAMFM), Canada	2012
47.	Dr. J.Pranitha Assistant Professor	Magnetic effect on free convection in a non-Darcy porous medium saturated with doubly stratified power-law fluid	Journal of the Brazilian Society of Mechanical Sciences and Engineering	2012
48.	Dr. J.Pranitha Assistant Professor	Magnetic and Double Dispersion Effects on Free Convection in a Non-Darcy Porous Medium saturated with Power-Law Fluid	Int. J. for Comp. Meth. in Eng. Sci. & Mech	Vol. 13, 210–218, 2012
PHYSICS DEPARTMENT:				
1	K. Srimannarayana Professor	Strain-Temperature Discrimination Using a Single FBG at Cryogenic Region	Sensors & Transducers Journal	August, 2011
2	K. Srimannarayana Professor	Non-Contact Vibration Sensor Using Bifurcated Bundle Fiber for Real Time Monitoring of Diesel Engine	International Journal of Optoelectronic Engineering	Feb, 2012
3	K. Srimannarayana Professor	Effect Of Offset Between Transmitting And Receiving Fiber Tips On Dual-Fiber Displacement Sensing	Optoelectronics And Advanced Materials – Rapid Communications	July, 2011
4	M. Sai Shankar Professor K. Srimannarayana Professor	Micro-change in liquid level sensing by extrinsic fiber optic sensor	Optoelectronics And Advanced Materials – Rapid Communications	July, 2011
5	K. Srimannarayana Professor	Encapsulated fiber Bragg grating sensor for high temperature measurements	Optical Engineering	November , 2011

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6	K. Srimannarayana Professor	Method for enhancing and controlling temperature sensitivity of fiber Bragg grating sensor based on two bimetallic strips	IEEE Photonics Journal	June 2012.
7	K. Srimannarayana Professor	A diaphragm based low-cost fiber optic pressure sensor	Microwave and Optical Technology Letters	June, 2012
8	K. Srimannarayana Professor	Fiber Optic Vibration Sensor Using PMMA Fiber for Real Time Monitoring	Sensors & Transducers journal	January, 2012
9	M. Sai Shankar Professor K. Srimannarayana Professor	Sensing of hydrostatic pressure using FBG sensor for liquid level measurement	Microwave and Optical Technology Letters	July, 2012
10	Dr.P. Abdul Azeem Assistant Professor	Spectroscopic investigations on Tb^{3+} doped lead fluoroborate glasses	Optics Communications (Elsevier publications	June 2012
11	Dr.P.Syam Prasad Assistant Professor	Effect of MoO3 addition on Spectroscopic properties Lithium Zinc Borate glass	Journal of Physical chemistry	August 2012
CHEMISTRY DEPARTMENT:				
1	A. Ramachandraiah	Crystal structureanalysis and conformational isomerism of 2,2'-(4,4'oxybis(4,1-phenylene)bis(azan-1-yl-1-ylidene))bis(methan-1-yl-1-ylidene)dinaphthalen-1-ol	Molecular Crystals and Liquid Crystals	562, 265-290, 2012
2	P.Nageswara Rao Professor	Sensitive Bromatometric Methods for the Determination of Sumatriptan Succinate in Pharmaceutical Formulations	E-Journal of Chemistry	8, 269-275, 2011
3	K. Laxma Reddy Professor	Synthesis, spectral characterisation, morphology, biological activity and DNA cleavage studies of metal complexes with chromone schiff base	Arabian J. Of Chemistry	In Press
4	K. Laxma Reddy Professor	Removal of Cr(VI) ions from aqueous solution by using Syzygium cumini seeds	Asian J. of Chemistry	IN Press
5	V. Rajeswar Rao, Professor	Simple strategy for sulofonyl ethynylogs.	Synthetic Communications.	41, 2693-2700, 2011.
6	V. Rajeswar Rao, Professor	One pot synthesis of tri-substituted pyrazoles via multi-component approach.	Chemistry of Heterocyclic compounds.	4, 547-551, 2011
7	V. Rajeswar Rao, Professor	Efficient, stereoselective approach to thesynthesis of 3-(1-phenyl-2- (zstyrylsulfonyl)-1H-imidazol-4-yl)-2hchromen-2-ones.	Synthetic Communications.	41, 1167–1174, 2011.

8	V. Rajeswar Rao, Professor	A facile one-pot synthesis of 1,3,4-thiadiazine-5-yl-pyran-2-onederivatives via a multi-component reaction.	J of sulfur chemistry	1-7, 2011.
9	V. Rajeswar Rao, Professor	A facile one-pot expeditious synthesis of thiazolyl-pyrazolones.	Phosphorus, Sulfur, and Silicon and the Related Elements	186, 489-495, 2011
10	Patri V Srilakshmi. Associate Professor	Synthesis of novel porphyrin based lipids and their anti bacterial activity.	Medicinal Chemistry Research	In Press
11	Vishnu Shanker Assistant Professor	Dielectric behavior of sodium and potassium doped magnesium titanate	Bulletin of Materials Science	In press
12	N. Venkatathri Assistant Professor	Synthesis and characterization of a novel mesoporous Mn-organophosphate molecular sieve	Journal of Indian Chemical Society	88, 325, 2011
13	Dhurke Kashinath Assistant Professor	Towards a KCC@ blocker pharmacophore model	Bioorg & Med. Chem. Lett	22, 3978, 2012
BIOTECHNOLOGY DEPARTMENT:				
1	Narasimhulu K Asst. Professor	1.Studies on Biosorption of Cadmium By Pseudomonas putida	International Journal of Engineering Research and Applications (IJERA) ISSN: 2248-9622	Vol. 2, Issue 3, May-Jun 2012, pp.2217-2219
		2.Studies on the production of rhamnolipids by pseudomonas putida	International Journal of Research in Computer Science © White Globe Publications ISSN 2249-8265	June. Volume 2 Issue 4 (2012) pp. 19-21
		3.Studies on the production of A-Amylase by bacillus subtilis	IOSR Journal of Engineering ISSN: 2250-3021	May. 2012, Vol. 2(5) pp: 1053-1055
		4.Removal of Heavy Metals From Waste Water Treatment Plant of NIIR Warangal by Biomass of Pseudomonas Species	Global Journal of Pure & Applied Science and Technology –GJPAST ISSN: 2249-7188	March-April, 2012, 41-48
2	Dr. P. Sreenivasa Rao Asst. Professor	1.Bioreactors in tissue engineering, Journal of Biotechnology	Journal of Biotechnology	May, 2011
		2.Studies on industrially important alkaline protease production from locally isolated superior microbial strain from soil microorganisms	International journal of Biotechnology applications	September, 2011
		3.Development of Petri-Net-based dynamic model for improved production of farnesyl pyrophosphate by integrating mevalonate and methylerythritol phosphate pathways in yeast	Recent research in science in science and technology	April, 2012
		4.Review on engineering biomaterials in regenerative medicine	Recent research in science and technology	June, 2012

SCHOOL OF MANAGEMENT:				
1	Dr.Ritanjali Majhi Asst.Prof	New robust forecasting models for exchange rates prediction	Expert systems with applications, Elsevier	May 2012.
2	Dr.Ritanjali Majhi Asst.Prof	Investigation on Mobile Users' Growth Prediction performance in India	International Journal of Business, Management & Social Sciences	March 2012
3	Dr.Ritanjali Majhi Asst.Prof	Investigation on Identification of Profitable Target Markets for Indian online Shoppers	International Journal of Advances in Management , Technology & Engineering Sciences	March.2012
4	Dr.Ritanjali Majhi Asst.Prof	Development and performance evaluation of neural network classifiers for Indian internet shoppers	Expert Systems with Applications Elsevier	Jan 2012.
5	Dr.S.L.Tulasi Devi	Role of Non-farm income in reducing rural poverty & inequality in Asian countries	pg:52,Macmillan Publish.ISBN No:023-032-344-8	2011
6	Dr.S.L.Tulasi Devi Asst.Prof	Fixed Investment Analysis	International Journal of Humanities and Applied Sciences (IJHAS) Volume 1 No.1, Page No.35-42	December 2011
7	Dr. P. Ramlal	Indian Insurance Industry –The Financial Indicators and Its Analysis of United India Insurance Company Limited	International Journal of Management Research and Review	May 2012/ Volume 2/Issue 5/Article No-11, ISSN:2249-7196,
8	Dr. P. Ramlal	Empowerment of Women in India-New Patterns	ZENITH International Journal of Business Economics & Management Research	April 2012, Vol.2 Issue 4, 2012, ISSN 2249 8826,

ANY OTHER SIGNIFICANT CONTRIBUTIONS

CIVIL ENGINEERING DEPARTMENT:

Dr. P. Rathish Kumar got a SPONSORED RESEARCH AND CONSULTANCY: Vetting of the designs of Kalma and Basantpur Barrages, Kalma-172 Crores work, Basantpur- 202 Crores work, construction of barrages across River Mahanadi, Chattisgarh.

Dr. P. Rathish Kumar is EDITORIAL BOARD MEMBER OF JOURNALS

(i) Journal of Cement Wapno Beton, Polish Journal
(ii) Journal of Facta Universtatis, University of NIS (Nikolas Tesla), Serbia
(iii) Open Journal of Civil Engineering,
(iv) Journal of Civil Engg. Research, Scientific & Academic Publishing Co, Rosemead, CA, USA.
(v) Journal of Civil Engineering and Construction Technology.

Dr. B. Madhumathi Devi, has joined in the Department as UGC – Post Doctoral Fellowship for Women to work on the project entitled "Phytoremediation of tannery effluents using model constructed wetlands" under the supervision of Prof. K.V. Jaya Kumar.

MECHANICAL ENGINEERING DEPARTMENT:

- Reprint of "Text Book on Heat Transfer" authored by Dr. C. GURURAJA RAO, Professor, Mechanical Engineering, was published during the above review period by The Hi-Tech Publishers Ltd., Hyderabad, A. P.
- Prof. Madhu Murthy acted as Session Chairman for 'International Conference on Trends in Industrial and Mechanical Engineering (ICTIME-2012)', Dubai
- Prof. Madhu Murthy acted as Session Chairman for International Conference on Mechanical, Automobile and Robotics Engineering (ICMAR-2012)', Penang, Malaysia
- Dr. Y. Ravi Kumar, Asst. Professor has undergone TEQIP Sponsored One month R&D Training Programme on Rapid Prototyping at Milwaukee School of Engineering, Rapid Prototyping Center, USA during June 21 to July 30, 2012.
- Prof. AV. Narasimha Rao reviewed a research article entitled "Experimental and Theoretical Performance of Solar Assisted Dehumidification Drying System" for the International Journal of Energy published by Elsevier.
- Prof. AV. Narasimha Rao reviewed a research article entitled "Performance evaluation of an off-grid photovoltaic system in Saudi Arabia" for the International Journal of Energy, published by Elsevier.
- Prof. AV. Narasimha Rao is a Member of the Editorial Board of the International Journal of Mechanical Engineering and Robotics

METALLURGICAL AND MATERIALS ENGG. DEPARTMENT:

Student Workshops Conducted:

- "ANUBHODAN-2012" – A student workshop on 'Metallurgical Powder Processing' was conducted during 30th March and 1st April, 2012.

Guest Lectures Organized :

- Dr. G. Ramana Reddy, Professor, Alabama University, USA, on "Nanomaterials",
- Dr. K. Prasada Rao, Professor, IITM, Chennai on "Friction Stir Welding of Aluminum Alloys".

Books Published :

- Books Published: Asit Kumar Khanra, "Production of Nanocrystalline ZrB2 powder and ZrB2-Cu composites, Lambert Academic Publishing, 2012.

MATHEMATICS DEPARTMENT:

- Prof. T.K.V.Iyengar and Prof. K.N.S.Kasi Viswanadham delivered invited talks in 20th Congress of Andhra Pradesh Society for Mathematical Sciences and National Conference on "Mathematical Modeling and Simulation" held at Swarna Bharathi Institute of Technology, Khammam during 9-11, December, 2011.
- Prof. K.N.S.Kasi Viswanadham delivered invited talk in the National Seminar on "Algebra and its applications" organized by Nagarjuna University, Guntur conducted at JMJ College for Women, Tenali during 11-12, July, 2011.
- Department has organized TEQIP Phase-II sponsored conference on "New Vistas in Computational Fluid Dynamics in Engineering".

PHYSICS DEPARTMENT:

- Prof. K. Srimannarayana attended Second PRSG for projects in sensors and related areas on 9th May 2012 at C-MET, Pune and presented progress on the DIT funded R&D Project on " High temperature measurement using FBG Sensors"

CHEMISTRY DEPARTMENT:

- Prof. BV Appa Rao is Editorial Board Member of some peer-reveiwed journals on Corrosion Science & Engg.
- Prof. BV Appa Rao is a 'MENTOR' in the DST National Panel of 'INSPIRE' Programme
- Prof. A. Ramachandraiah is Editorial Board Member of some peer-reveiwed journals on general and medicinal chemistry
- Prof. A. Ramachandraiah is a 'MENTOR' in the DST National Panel of 'INSPIRE' Programme
- Prof. A. Ramachandraiah is the Editor (voluntary service) of the largest circulated Telugu Children's Science Monthly, *Vidyarthi Chekumuki* from 1990.
- Prof. A. Ramachandraiah is a regular science columnist (weekly twice) in the largest circulated Telugu daily, *Eenadu* and (weekly once) in *Prajasakti* and frequently in the English National Daily, *The Hindu.*
- Prof. K. Laxma Reddy, has been rendering voluntary service as Coordinator in promotion of water and environment awareness among rural masses and school children through DST, Vigyan Prasar's Radio Serials and APCOST/RVM's WASH programmes.
- Prof. V. Rajeswara Rao Contributed revision work for text book of Engineering Chemistry, Tata Mc Graw Hill Ltd.
- Prof. GVP Chandramouli and Prof. B. Rajitha are visiting faculty and scientists at some US Universities

BIOTECHNOLOGY DEPARTMENT:

The following students are selected for International fellowships:

DAAD Fellowship:

1. D. Priyavathi, III Yr. B.Tech.
2. Sakshi Shringika, III Yr. B.Tech.

MITACS Fellowship:

1. Simpy Pallav, III Yr. B.Tech.
2. Mani Vinay Kotipalli, III Yr. B.Tech.

4.0 ACADEMIC PROGRAMMES

As mentioned at Section **2.5**, the Institute offers the following programmes:

4.1 Courses Offered

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

Undergraduate Courses (B. Tech.)

Branch	Current Year Intake	Year Sarted in
Civil Engineering	92	1959
Electrical and Electronics Engineering	92	1959
Mechanical Engineering	94	1959
Electronics and Communication Engineering	108	1971
Chemical Engineering	92	1964
Metallurgical and Materials Engineering	62	1965
Computer Science and Engineering	108	1983
Bio-technology	92	2006

Postgraduate Courses: M.Tech.

Department / Specialisation	Current Year Intake	Year Sarted in
Civil Engineering		
1. Engineering Structures	38	1967
2. Transportation Engineering	38	1968
3. Water Resources Engineering	20	1964
4. Geo-Technical Engineering	20	1964
5. Remote Sensing & Geoinformation Systems	20	2000
6. Environmental Engineering	20	2004
7. Construction Techniques & Management	20	2008
Electrical and Electronics Engineering		
1. Power Systems Engineering	38	1964
2. Power Electronics and Devices	38	1964

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

Department / Specialisation	Current Year Intake	Year Sarted in
Electronics and Communications Engineering		
1. Electronics Instrumentation	20	1966
2. VLSI System Design	20	2001
3. Advanced Communication System	24	2006
Metallurgical and Materials Engineering		
1. Industrial Metallurgy	20	1983
Chemical Engineering		
2. Chemical Engineering (Computer Aided Process Equipment Design)	20	1968
Computer Science and Engineering		
1. Computer Science & Engineering	20	1987
2. Information Security	20	2008
3. MCA: Master of Computer Applications	46	1986
School of Management		
2. Master of Business Administration	62	2000

Postgraduate Courses: M.Sc.

Department / Specialisation	Current Year Intake	Year Sarted in
Mathematics		
1. Applied Mathematics	20	1970
2. Mathematics and Scientific Computing	20	2001

Chemistry		
1. Chemistry (Dyes, Drugs, Pharmaceuticals & Pesticides)	24	1977
2 Chemistry (Modern Methods of Chemical Analysis)	24	1999
Physics*		
1. Engineering Physics Applied Mathematics (Photonics, Electronics and Instrumentation)	48	1970

Doctoral programmes (Leading to the degree of PhD)

Ph.D. Programmes are offered in

a) All branches of Engineering
b) Sciences (Mathematics, Physics and Chemistry)
c) Humanities (English Literature, Applied Linguistics and Economics)
d) 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, Social justice and Category wise Break-up

a) 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		
	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**

b) UG B.Tech. 2011-2012

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	13
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
B.Tech.												
I Year	623	105	728	96	14	110	49	6	55	17	1	18
II Year	582	127	709	90	16	106	45	6	51	11	4	15
III Year	604	107	711	83	17	100	42	11	53	16	0	16
IV Year	579	105	684	74	22	96	45	5	50	18	0	18
Total	**2388**	**444**	**2832**	**343**	**69**	**412**	**181**	**28**	**209**	**62**	**5**	**67**

c) Students on rolls B.Tech. (Class-wise & Branch – wise) during 2011-2012

Branch	I Year			II Year			III Year			IV Year		
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
I. Civil Engineering												
Open	38	8	**46**	36	10	**46**	41	8	**49**	33	9	**42**
OBC	22	3	**25**	20	4	**24**	24	1	**25**	22	4	**26**
3. S.C	13	1	**14**	14		**14**	10	1	**11**	10	3	**13**
4. S.T	4	2	**6**	5		**5**	5		**5**	6		**6**
Total	77	14	**91**	75	14	**89**	80	10	**90**	71	16	**87**
II Electrical & Electronics Engineering												
1. Open	37	12	**49**	47	6	**53**	39	4	**43**	37	8	**45**
2. B.C	21	3	**24**	23	8	**31**	22	4	**26**	20	4	**24**
3. S.C	12	1	**13**	13	3	**16**	10	3	**13**	12	1	**13**
4. S.T	5	1	**6**	7		**7**	3	2	**5**	6		**6**
Total	75	17	**92**	90	17	**107**	74	13	**87**	75	13	**88**
III Mechanical Engineering												
1. Open	43	2	**45**	40	3	**43**	41	1	**42**	42	5	**47**
2. B.C	28	1	**29**	30		**30**	29		**29**	21	2	**23**
3. S.C	14		**14**	13		**13**	10		**10**	11		**11**
4. S.T	6		**6**	6		**6**	5		**5**	6	1	**7**
Total	91	3	**94**	89	3	**92**	85	1	**86**	80	8	**88**
IV. Electronics & Communication Engineering												
1. Open	37	9	**46**	40	10	**50**	45	6	**51**	48	7	**55**
2. B.C	37	1	**38**	31	2	**33**	32	2	**34**	26	2	**28**
3. S.C	15	2	**17**	13	2	**15**	13	2	**15**	10	3	**13**
4. S.T	7		**7**	8		**8**	7	1	**8**	7	1	**8**
Total	96	12	**108**	92	14	**106**	97	11	**108**	91	13	**104**

V. Metallurgical & Materials Engineering												
1. Open	22	5	**27**	18	8	**26**	24		**24**	23	6	**29**
2. B.C	15	0	**15**	16	2	**18**	18	1	**19**	16	1	**17**
3. S.C	5	3	**8**	7	2	**9**	9	2	**11**	4	2	**6**
4. S.T	5	1	**6**	5		**5**	5		**5**	5		**5**
Total	47	9	**56**	46	12	**58**	56	3	**59**	48	9	**57**
VI. Chemical Engineering												
1. Open	32	14	**46**	26	12	**38**	34	11	**45**	26	8	**34**
2. B.C	21	3	**24**	23	6	**29**	14	13	**27**	27	7	**34**
3. S.C	12	2	**14**	11	2	**13**	10	4	**14**	6	7	**13**
4. S.T	5	2	**7**	4	3	**7**	4	5	**9**	5	1	**6**
Total	70	21	**91**	64	23	**87**	62	33	**95**	64	23	**87**
VII. Computer Science & Engineering												
1. Open	48	3	**51**	39	10	**49**	44	5	**49**	50	4	**54**
2. B.C	30	3	**33**	25	6	**31**	34	15	**49**	27	1	**28**
3. S.C	12	4	**16**	12	3	**15**	11	3	**14**	12	4	**16**
4. S.T	8		**8**	7		**7**	6	3	**9**	4	2	**6**
Total	98	10	**108**	83	19	**102**	95	26	**121**	93	11	**104**
VIII. Bio-Technology												
1. Open	28	13	**41**	16	12	**28**	16	3	**19**	29	6	**35**
2. B.C	19	5	**24**	17	6	**23**	22	5	**27**	20	2	**22**
3. S.C	13	1	**14**	7	4	**11**	10	2	**12**	9	2	**11**
4. S.T	9	0	**9**	3	3	**6**	8		**8**		6	**6**
Total	69	19	**88**	43	25	**68**	56	10	**66**	58	16	**74**

d) PG: M.Tech. and M.Sc. Branch wise, MCA, MBA, M.Sc. Tech. 2011-12 Batch

Sl No.	Course Name	Sancti-oned Intake	Total Male /Female Strength			OC			OBC			SC			ST			QIP Students			Foreign Students		
			Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1	Engg. Structures	38	31	5	36	14	3	17	10	1	11	5	-	5	2	1	3	-	-	-	-	-	-
2	Geo-Tech Engg.	20	10	2	12	7	-	7	2	2	4	1	-	1	-	-	-	-	-	-	-	-	-
3	Transportation Engg.	38	20	5	25	12	3	15	5	1	6	1	1	2	-	–	-	-	-	-	2	-	2
4	Water Resource Engg.	20	3	-	3	1	-	1	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-
5	Remote Sensing & GIS	20	–	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	Environmental Engg.,	20	3	5	8	1	3	4	1	1	2	1	1	2	-	-	-	–	-	-	-	-	-
7	Construction Techniques & Management	20	14	4	18	6	3	9	7	-	7	1	-	1	-	1	1	-	-	-	-	-	-
8	Power Electronics & Drives	38	31	7	38	12	3	15	13	1	14	3	3	6	3	-	3	-	-	-	-	-	-
9	Power Systems Engg.	38	33	3	36	16	1	17	9	1	10	6	-	6	2	1	3	-	-	-	-	-	-
10	Thermal Engg.	20	20	-	20	7	-	7	7	-	7	3	-	3	2	-	2	1	-	1	-	-	-
11	Manufacturing Engg.	20	19	-	19	9	-	9	7	-	7	2	-	2	-	-	-	-	-	-	1	-	1
12	CIM	20	17	1	18	6	1	7	7	-	7	3	-	3	1	-	1	-	-	-	-	-	-
13	Product Design & Dev.	20	18	2	20	9	1	10	6	-	6	2	1	3	1	-	1	-	-	-	-	-	-
14	Automobile Engg	20	18	1	19	9	1	10	5	-	5	3	-	3	1	-	1	-	-	-	-	-	-
15	Electronics Instrumentation	20	15	4	19	6	4	10	5	-	5	3	-	3	1	-	1	–	-	-	-	-	-
16	VLSI System Design	20	19	1	20	9	1	10	6	-	6	3	-	3	1	-	1	-	-	-	-	-	-
17	Adv Communication Systems	24	21	3	24	11	1	12	5	1	6	3	1	4	2	-	2	-	-	-	-	-	-
18	Materials Technology	24	12	2	14	7	-	7	4	-	4	1	2	3	-	-	-	-	-	-	-	-	-
19	Industrial Metallurgy	20	6	-	6	5	-	5	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
20	Chemical Engg.	20	9	-	9	6	-	6	2	-	2	1	-	1	-	-	-	-	-	-	-	-	-
21	C.S.E	20	17	2	19	7	2	9	5	-	5	2	-	2	2	-	2	-	-	-	1	-	1
22	Information Security	20	19	1	20	9	-	9	7	-	7	2	1	3	1	-	1	-	-	-	-	-	-
23	M.Sc (Applied Maths)	24	10	11	21	7	5	12	2	5	7	-	-	-	1	1	2	-	-	-	-	-	-
24	M.Sc (Maths & S. C)	24	7	9	16	3	9	12	4	-	4	-	-	-	-	-	-	-	-	-	-	-	-
25	M.Sc.(Tech) Engg. Physics	48	10	6	16	8	5	13	2	1	3	-	-	-	-	-	-	-	-	-	-	-	-
26	M.Sc (Chemistry) DDPP	24	11	10	21	6	4	10	2	5	7	1	1	2	2	-	2	-	-	-	-	-	-
27	M.Sc.(Chemistry) MMCA	24	9	13	22	3	6	9	3	4	7	2	3	5	1	-	1	–	-	-	-	-	-
28	M.C.A	46	30	12	42	13	8	21	9	3	12	6	1	7	2	-	2	-	-	-	-	-	-
29	M.B.A	62	20	7	27	10	3	13	6	-	6	3	3	6	1	1	2	-	-	---	-	-	-
	Total :-	**772**	**452**	**116**	**568**	**219**	**67**	**286**	**144**	**26**	**170**	**58**	**18**	**76**	**26**	**5**	**31**	**1**	**-**	**1**	**4**	**-**	**4**

e) Total Enrollment for the year 2011-2012 (PG Courses)

Semester	OC			OBC			SC			ST			QIP/FOREIGN		
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
I - Semester	219	67	286	144	26	170	58	18	76	26	5	31	5	–	5
III- Semester	194	50	244	114	29	143	52	11	63	24	3	27	7	2	9
V- Semester	22	12	34	15	2	17	8	–	8	5	–	5	–	–	–
Grand Total	**435**	**129**	**564**	**273**	**57**	**330**	**118**	**29**	**147**	**55**	**8**	**63**	**12**	**2**	**14**

Student's Total Strength: 1118

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

a). B.Tech 2011-2012

Sl.No.	Branch	Duration	Sanctioned Intake	Actual Enrolment	
				Indians	Foreigners
1	Civil Engineering	4 Years	92	91	29
2	Electrical & Electronics Engineering	4 Years	92	92	20
3	Mechanical Engineering	4 Years	94	94	18
4	Electronics & Communication Engineering	4 Years	108	108	15
5	Metallurgical and Materials Engineering	4 Years	62	56	0
6	Chemical Engineering	4 Years	92	91	3
7	Computer Science & Engineering	4 Years	108	108	29
8	Bio-Technology	4 Years	92	88	1
Total			**740**	**728**	**115**

* ***Students admitted under DASA scheme***

Nationality-Wise Distrubation of Foreign Students in 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
	Total	**283**	**73**	**356**	

Nationality-Wise Distrubation of Foreign Students in B.Tech (First to Final Year)- 2011-2012

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	80	6	86	DASA
		3		3	MEA
2	Srilanka	6	1	7	DASA
		2	1	3	MEA
		1	1	2	SPDC
		1		1	ICCR
3	Kenya	4	1	5	ICCR
4	Qatar	16	2	18	DASA
5	Kuwait	27	4	31	DASA
		1	1	2	SPDC
6	U A E	24	10	34	DASA
		1		1	SPDC
7	Oman	5	8	13	DASA
			1	1	SPDC
8	Behraen	1		1	MEA
		2	6	8	DASA
9	Indonesia	1	3	4	DASA
10	Saudi Arabia	18	3	21	DASA
		1		1	MEA
		3		3	SPDC
11	Riyad	7		7	DASA
		1	2	3	SPDC
12	Afghanistan	1		1	DASA
		1		1	MEA
		21		21	ICCR
13	Bangladesh	5	1	6	ICCR
14	Gambia	1		1	ICCR
15	Canada	2		2	DASA

16	U.S.A	16	7	23	DASA
17	Sharjah	1		1	SPDC
		3		3	DASA
18	Cairo		1	1	MEA
19	Jeddah	2		2	DASA
20	Muscat		1	1	SPDC
21		5	6	11	DASA
22	Abudabi		1	1	SPDC
		2	2	4	DASA
23	Dubai	1		1	ICCR
		3	2	5	DASA
24	Morraco	1		1	DASA
25	Santiago	1	1	2	MEA
26	Doha	2	1	3	DASA
		1		1	SPDC
27	Hong Kong		1	1	MEA
		1		1	DASA
28	Vitanam		1	1	DASA
29	Switzerland	1		1	MEA
30	France		1	1	DASA
31	Tanzania	4		4	ICCR
		2		2	DASA
32	Mauritious	1		1	ICCR
33	Hungeri	1		1	MEA
34	Pakistan		1	1	MEA
35	Malaysia	1		1	DASA
36	Fiji	1		1	ICCR
37	Botswana	2		2	ICCR
38	Bhutan	10	2	12	MEA
39	Mozambique	1	1	2	ICCR
40	East Timor	3		3	ICCR
41	Ethupia	3		3	ICCR
42	Somali	1		1	ICCR
43	Jeneva	1		1	MEA
44	Yemen	2		2	ICCR
45	West Indies	1		1	DASA
46	Moscow	1		1	MEA
47	Uganda	1		1	DASA
48	Singapore		1	1	DASA
	Total	**312**	**81**	**393**	

4.4 Total Student Strength in the Institute (2011-2012)

Under graduate Students	:	2832
Post graduate Students	:	1118
Total	:	**3950**

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 accommodate 350 students.

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 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	Name of the Block	No.of Rooms	Capacity	Occupancy	Remarks
1	Azad Hall(S)	100	Single seated	98	
2	Bose Hall(S)	100	Single seated	98	
3	Ambedkar Hall(T)	48	Triple seated	94	
4	Babha Hall(T)	48	Triple seated	94	
5	Gandhi Hall(T)	48	Triple seated	94	
6	Gokhale Hall(T)	48	Triple seated	94	*
7	Radhakrishnan Hall(T)	48	Triple seated	94	*
8	Raman Hall(T)	48	Triple seated	94	*
9	Nehru Hall(S)	100	Single seated	98	*
10	Patel Hall(S)	100	Single seated	98	*
11	Tagore Hall(D)	48	Double seated	94	
12	Viswesvraya Hall(D)	48	Double seated	94	
13	Rajendra Prasad Hall(S)	202	Single seated	198	
14	Vikram Sarabhai Hall(S)	200	Single seated	198	
15	1K Hall	1050	Single seated	1050	
16	1.8 K Hall	1194	640 Single 554- Double	640 1108	
17	International students hall	250	Single seated	250	
18	Sarojini Hall	65	Double seated	130	
19	Priyadarshini Hall	75	Triple seated	225	
20	New Ladies Hostel - A	120	Single seated	120	
	New Ladies Hostel - B	110	Single seated	110	
	New Ladies Hostel - C	90	Single seated	90	
	Total			5263	

* Not fit for Occupation in the present condition	
(6th, 7th, 8th, 9th,10th Blocks)	478
Net available for occupancy	4785

* The Block Nos.6, 7,8,9,10 are not allotted for Students as they are not in good condition. In Blocks 3,4,5 the rooms are allotted on double seater basis only.

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



हॉस्टल कार्यालय Hostel Office



डॉ वि ए शास्त्री इनोवेशन एंड इन्क्यूबेशन शोध केंद्र
Dr. V.A. Sastry Innovation & Incubation Research Centre

4.6 Scholarships / Monetary Assistance (2011-12)

Scholarships Awarded:

S.No.	Name of the scholarships /stipends	No. of Scholar-ships Awarded	Remarks
1	**Institute Merit Scholarships**	240	Rs.100/-p.a.+ exemption from payment of Tuition fee and a Merit Certificate
ANDHRA PRADESH			
2	***S.C. SCHOLARSHIPS***		
a)	B.Tech. P.G.Students :	135 27	Mess charges at the rate Rs.1200/-P.M for U.G and Rs.820/- for P.G. students, and reimbursement of Tuition Fee for boarders.
b)	B.Tech. P.G.Students :	15 5	Rs. 550/- P.M and reimbursement of Tuition Fee for Day Scholars.
3	**S.T. Scholarships**		
a)	B.Tech. P.G.Students :	101 14	Mess charges at the rate Rs.1200/-P.M for U.G and Rs.820/- for P.G. students, and reimbursement of Tuition Fee for boarders.
b)	B.Tech. P.G.Students :	8 2	Rs. 550/- P.M and reimbursement of Tuition Fee for Day Scholars.
4	**B.C. Scholarships**		
a)	B.Tech. P.G.Students :	300 111	Mess charges at the rate Rs.962/-P.M for U.G and Rs.682/- for P.G. students, and reimbursement of Tuition Fee for boarders
b)	B.Tech. P.G.Students :	20 32	Rs. 429/- P.M and reimbursement of Tuition Fee for Day Scholars.
5	***E.B.C. SCHOLARSHIPS***		
a)	B.Tech. P.G.Students :	230 21	Reimbursement of Tuition Fee UG and PG Students

6	**P.H. Scholarships**		
a)	B.Tech. P.G.Students :	11 --	Mess charges at the rate Rs.962/-P.M for U.G and Rs.682/- for P.G. students, and reimbursement of Tuition Fee for boarders.
b)	B.Tech. P.G.Students :	1 --	Rs. 429/- P.M and reimbursement of Tuition Fee for Day Scholars.
7	**Minority Scholarships**		
a)	B.Tech. P.G.Students :	12	Mess charges at the rate Rs.962/-P.M for U.G and Rs.682/- for P.G. students, and reimbursement of Tuition Fee for boarders
b)	B.Tech. P.G.Students :	2 1	Rs. 429/- P.M and reimbursement of Tuition Fee for Day Scholars.

State -Wise Scholarships/ Assistance:

Statement showing the details of various Scholarship, stipends, loans etc. awarded during the year 2011-12:

S.NO.	Name of the Scholarship / Sitpends	No. of Awarded	AMOUNT RECEIVED	DISBURSED AND ADJUSTED AS T/F AMOUNT
A.	***SC/ST Scholarships From other states;***			
1	Bihar	22	797680	797680
2	Chattisgarh	2	117000	117000
3	Haryana	1	64200	64200
4	Jharkhand	7	223380	223380
5	Karnataka	1	23060	23060
6	Kerala	3	85200	85200
7	Madhya Pradesh	8	264185	264185
8	Maharashtra/Pune/Nagpur	7	358300	358300
9	Orissa	1	24880	24880
10	Tripura/Manipur	1	9400	9400
11	Uttar Pradesh	3	100040	100040
		Total :	**2067325.00**	**2067325.00**
B.	***Other Scholarships***			
12	IOCL Scholarship	5	162000	162000
13	Visakhapatnam Steel Plant	1	18000	18000
14	ONGC	2	120000	120000

15	OPJEMS	4	260000	260000
16	FAEA(Foundation for Academic Excellence & Access)	4	109500	109500
17	ICCSIT Conference	1	15000	15000
18	National Scholarship for persons with disabilities	1	20000	20000
19	AIEEE below 500 Rankers	6	250000	250000
20	Central Sector Scholarship	4	180000	180000
21	ED.CIL (MEA) B.Tech & M.Tech	5	92515	92515
22	ED.CIL(SPDC) 2008 Batch	13	2238600	2238600
23	ED.CIL(SPDC) 2010 Batch	12	2000701	2000701
24	ED.CIL(SPDC) 2009 Batch	10	1209029	1209029
25	Ed.CIL (MEA)	8	817670	817670
26	Ed.CIL (MEA) M.Tech & B.Tech. Final Year Students Allowance	6	309600	309600
27	Ed.CIL (MEA) M.Tech & B.Tech. Final Year Tuition Fee	6	797424	797424
28	ED.CIL (MEA) Self Finance Course	1	260000	260000
29	ICCR Tuition Fee/OCF & Hostel Fee	61	3779450	3779450
		Total :	**12639489.00**	**12639489.00**
		Grand Total:	**1,47,06,814.00**	**1,47,06,814.00**

4.7 Games and Sports

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

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

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

Activities of the department include:

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

Organizing Sports tournaments at campus regularly for staff and students.

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

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

Conducting Fitness and conditioning classes to all first year students regularly

A BRIEF REPORT OF THE SPORTS ACTIVITIES FOR, 2011-2012

INTRAMURAL COMPETITIONS:

- Intramural Competitions for the year 2011-12 in the following sports and Games were conducted: Athletics, Basketball, Badminton, Ball Badminton, Carrom, Chess, Cricket, Kabaddi, Kho-Kho, Swimming, Table-Tennis, Tennis, Tenni-koit Throwball, Volleyball, Weight-Lifting, and Best Physique.

Tournaments Organised by our Department:

20-01-2012	T.Srihari Memorial Volleyball Tournament for District Engineering Collegs were held and our Institute team were the Winners
20-22 January 2011	Pattabhi Memorial Volleyball Tournament was organised at our campus.
29-31 January 2011	Dr. A. Palaiah Memorial Tennis Tournament was organised at our campus.
17-02-2012	Sivaratri sports night in volleyball, ball badminton and Tennis were conducted to the campus community.



फिजिकल एजुकेशन विभाग
Department of Physical Education



संसथान के जिम (व्यायाम शाला)
Institute's Gym

- 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.Srihari (ex physical director) memorial tennis tournament was organized to the campus communituy.
- 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.

EXTRAMURAL COMPETITIONS:

20-01-2012 All India Inter NIT Cricket, Football and Chess Tournament held at Nagpur Cricket Runner up.

27-01-2012 All India Inter NIT Ball Badminton and Volleyball Tournament for Boys and Girls were Conducted at our campus Volleyball and Ball Badminton boys were winners girls were Runner up in both events.

3-02-2012 All India Inter NIT Tennis and Basketball Tournament took part at Trichy Tennis Boys Third Place and Girls Runner up.

17-02-2012 All India Inter NIT Badminton, Table Tennis and Kho-Kho Tournament Was held at Allahabad. Table Tennis Winners, Kho-Kho Runner up.

17-02-2012 All India Inter NIT Swimming Tournament held at Surat and secured 11 Medals.

8-03-2012 All India Inter NIT Athletics and Carrom Tournament was held at Suratkal Carrom both boys and girls winners.

4.8 AWARDS

CIVIL ENGINEERING DEPARTMENT:

- Dr. P. Hari Prasad Reddy, Asst. Professor got Young Engineer of the year 2011 award from Government of Andhra Pradesh and Institute of Engineers India, AP Local chapter

ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT:

- Smt. P. Prithvi, Asst. Professor has been received "Indira Gandhi Shiromani" Award on 17th December, 2011 by IIFS – New Delhi.
- Smt. V. Rama, Asst. Professor has been received "Women of Excellence Award" from Tharuni Swachchanda Samstha on 19th December, 2011 during Balika Utsav 2011.

COMPUTER SCIENCE AND ENGINEERING DEPARTMENT:

- Dr.R.Padmavathy, Asst. Professor Selected for Indira Gandhi Shiromani Award 2011, IIFS, New Delhi. Best Citizens of India 2012, International Publishing House, New Delhi.

CHEMICAL ENGINEERING DEPARTMENT:

- Sri S. Srinath, Asst. Professor has been received "Best Paper Award" at International Conference on Chemical, Civil and Environmental Engineering (ICCEE'2012) held at Dubai during March 24-25, 2012.
- Sri K. Anand Kishore, Asst. Professor has been received "Rashtriya Gaurav Award" with certificate of Excellence presented by IIFS, New Delhi.
- Conference Best Paper in International Conference on Chemical, Environmental and Biological Sciences held at Penang, Malaysia during 11-12th Feb'2012 and authored by Srinu Naik. S and Y. Pydi Setty

METALLURGICAL AND MATERIALS ENGINEERING DEPARTMENT:

- **Dr. G. V. S. Nageswara Rao**, Professor and Head, received 'Indian National Academy of Engineering (INAE)' fellowship.

SCHOOL OF MANAGEMENT:

- B-schools Excellence award for Business School with industry related curriculum in IT from Bloomberg/UTV during 18th February 2012.
- National B-school award for Outstanding Business School with industry related curriculum in IT from ABP news during 30th June 2012.
- Dr. Ritanjali Majhi, awarded summer fellowship by Indian National Academy of Engineering, India in 2011.

CHEMISTRY DEPARTMENT:

- Awarded for the Oral Presentation, the Annapurnammal Award for Best Paper in Corrosion Science: Title: "Electrochemical Studies of corrosion inhibition of Cu-Ni (90/10) alloy in sea water and sulfide polluted sea water using amino phenyl tetrazole": **Authors:** B V Appa Rao and K Chaitanya Kumar; National Convention of ElectroChemists 2011, organised by CECRI, Karaikudi Dec. 15th – 16th, 2011, Coimbatore

- "Best Poster Award - 1st Prize": Title: Activated Direct Electron Transfer of Cytochrome c at Au Bionanoconjugates for Electrocatalytic Detection of Superoxide Dismutase Enzyme; Authors: K.Vengatajalabathy Gobi & K. Koteshwara Reddy; 4th ISEAC International Discussion Meet on Electrochemistry & its Applications (DM-ISEAC-2011), Feb 7-11, Mascot Hotel, Thiruvananthapuram, Kerala organised by Indian Society for Electro Analytical Chemistry (ISEAC), Bhabha Atomic Research Centre (BARC), Mumbai, India.



3 फरवरी 2012 में स्कूल ऑफ़ मैनेजमेंट स्टडीज में आयोजित कार्यक्रम
A Program organized on 3rd February 2012 at School of Management Studies

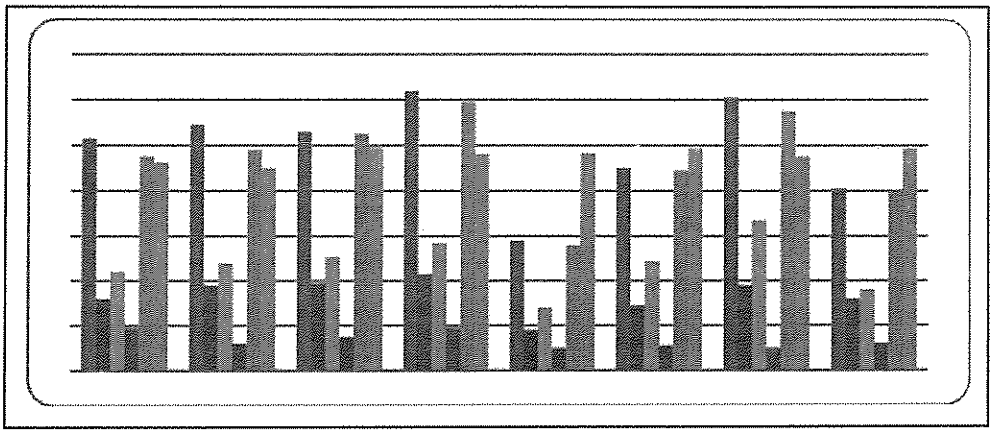


हुमनीटीस और सोशल साइंसेज विभाग का भवन
Department of Humanities & Social Sciences Building

4.9. Examination Details

Examination Results for the B. Tech (Regular) from 01.07.2011 to 30.06.2012

Sl. No.	Branch	No. appeared	Passed in First Div. with Distn.	First Division	Second Division	Total	% of Pass
1.	Civil Engg.	103	32	44	19	95	92.23
2.	E.E.E	109	38	48	12	98	89.91
3.	Mech. Engg.	106	39	51	15	105	99.06
4.	E.C.E	124	43	57	19	119	95.97
5.	Met. Engg.	58	18	28	10	56	96.55
6.	Chem. Engg.	90	29	49	11	89	98.89
7.	C.S.E	121	38	67	10	115	95.04
8.	Bio-Tech.	81	32	36	12	80	98.77



Top ranks in each of the branches B. Tech (Regular) from 01.07.2011 to 30.06.2012

Sl.No.	Branch	Roll No.	Name of the Student
1.	Civil Engg.	8162	Neeraj Kumar
2.	E.E.E	8208	Alok Kumar
3.	Mech. Engg.	8333	Etukuri Spurthi
4.	E.C.E	8478	Chakka Radha Madhuri
5.	Met. Engg.	8511	Bobby Mathew
6.	Chemical Engg.	8659	Narendra Kumar Dewangan
7.	C.S.E	8765	Abhitej Anoop John Bandi
8.	Bio-Tech.	8824	Elika Garg

Examination Results for PG Courses 1.07.2011 to 30.06.2012

Sl. No.	Branch	No. of Students appeared	Passed	% of Pass
Civil Engineering				
1.	Engg. Structures	32	32	100
2.	Geo-Technical Engg.	6	6	100
3.	Transportation Engg.	27	27	100
4.	Construction Technology & Management	14	14	100
Electrical Engineering				
1.	Power Electronics & Drives	23	23	100
2.	Power Systems Engg.	36	35	97.22
Mechanical Engineering				
1.	Thermal Engineering	17	16	94.12
2.	Manufacturing Engineering	16	15	93.75
3.	Computer Integrated Manufacturing	12	12	100
4.	Product Design Development	15	15	100
5.	Materials Technology	7	7	100
6.	Automobile Engineering	15	15	100
Electronics and Communication Engineering				
1.	Electronic Instrumentation	18	18	100
2.	VLSI System Design	18	18	100
3.	Advanced Communications System	23	23	100
Chemical Engineering				
1.	Computer Aided Process Equipment Design	5	5	100
M.Sc. Mathematics				
1.	Applied Mathematics	19	19	100

M.Sc. (Tech.) Engineering Physics				
1.	Photonics	11	11	100
2.	Electronics	9	9	100
3.	Instrumentation	--	--	---
M.Sc. Chemistry				
1.	Dyes, Drugs, Pharmaceuticals & Pesticides	24	24	100
2.	Modern Methods of Chemical Analysis	23	23	100
Master of Business Administration				
1.	M.B.A	26	26	100
Computer Science & Engineering				
1.	Computer Science & Engineering	19	19	100
2.	Information Security	18	18	100
3.	M.C.A	43	43	100

5.0 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.	701125	Mr. Nerella Ruben	Civil Engineering
2.	701127	Mr. Anoop C.K.	Civil Engineering
3.	701128	Mr. M. Sudhakar	Civil Engineering
4.	701129	Mr. Sai Kumar Vindula	Civil Engineering
5.	701130	Mr. Villuri Mahalaxmi Naidu	Civil Engineering
6.	701131	Mr. Ajay Kumar Moodadla	Electrical Engineering
7.	701132	Mr. D. Rakesh Chandra	Electrical Engineering
8.	701133	Shah Abhijeet Prakash	Mech. Engg.
9.	701134	Mr. A. Balaraju	Mech. Engg.
10.	701135	Mr. Yamala Murali Krishna	Mech. Engg.
11.	701137	Mr. Mandale Maruthi Bhagawan	Mech. Engg.
12.	701138	Mr. Bhanu Pavan Ravuri	Mech. Engg.
13.	701139	Mr. A.R. Babu	Mech. Engg.
14.	701140	Mr. Ch. Hari Krishna	Mech. Engg.
15.	701141	Mr. Gadakh Vijaya Shivaji	Mech. Engg.
16.	701142	Mr. V. Venkateswar Reddy	E.C.E.
17.	701143	Mr. Ashok Agarwal	E.C.E.
18.	701144	Mr. Govind Rao Doddamani	E.C.E.
19.	701145	Mr. Ravinaik Banoth	Met. & Mat. Engg.
20.	701146	Mr. Saikumar Gadakary	Met. & Mat. Engg.
21.	701147	Mr. Reddi Govinda Rao	Met. & Mat. Engg.
22.	701148	Mr. Pothuri Ram Babu	Met. & Mat. Engg.
23.	701149	Mr. Srinivas T	Chemical Engg.
24.	701150	Mr. Surinder Ontela	Mathematics
25.	701151	Mr. Srinivas Jangili	Mathematics
26.	701152	Mr. Sreenivasulu Ballem	Mathematics
27.	701153	Mr. Govinda Rao Tangudu	Mathematics
28.	701154	Mr. Vamsi Krishna Narla	Mathematics
29.	701155	Mr. Meduri Phani Kumar	Mathematics
30.	701156	Mr. Diddi Kumaraswamy	Mathematics
31.	701157	Mr. Gemechis File Duressa	Mathematics
32.	701158	Mr. Gurju Awgichew	Mathematics
33.	701161	Mr. Tewodros Birhanu Aychiluhim	Chemistry
34.	701162	Mr. K. Vimal Kumar	Chemistry
35.	701163	Mr. T. Ramesh	Chemistry
36.	701164	Mr. Satyanarayana M	Chemistry
37.	701165	Mr. Ravi Babu Velpula	Chemistry
38.	701167	Mr. Raj Kumar Ramagiri	Chemistry

39.	701201	Mr. Gasikanti Rajamouli	Civil Engineering
40.	701202	Mr. Bairu Vijay Kumar	Electrical Engg.
41.	701203	Mr. Manmadha Chary Aiamunoori	Mechanical Engg.
42.	701204	Ms. Sindu Ravichettu	Mechanical Engg.
43.	701205	Mr. T. Karthikeya Sharma	Mechanical Engg.
44.	701206	Mr. N. Bhanodaya Kiran Babu	Mechanical Engg.
45.	701207	Mr. Murahari Kolli	Mechanical Engg.
46.	701208	Mr. Sudhakar Babu. S	Mechanical Engg.
47.	701209	Mr. A.C. Umamaheshwer Rao	Mechanical Engg.
48.	701210	Mr. Rama Krishna Varanasi	Mechanical Engg.
49.	701211	Mr. Kishore Kumar Katikani	Mechanical Engg.
50.	701212	Mr. J.V. Satyanarayana Moorthy	Mechanical Engg.
51.	701213	Mr. Suresh Alapati	E.C.E.
52.	701214	Mr. Rama Sanjeeva Reddy. B	E.C.E.
53.	701215	Mr. Vibhuti Roshan**	Met. & Mat. Engg.
54.	701217	Mr. Sujan Kumar Bashapaka	Chemical Engg.
55.	701218	Mr. Kodali Hiranya Varna Prasad	Chemical Engg.
56.	701219	Mr. Ravi Kiran Goolla	Mathematics
57.	701220	Ms. Syed Naheed	Physics
58.	701222	Ms. Arram Haritha Kumari	Chemistry
59.	701223	Mr. Pudu Lakshmana Rao	Chemistry
60.	701225	Mr. Bade Thirupaiah	Chemistry
61.	701226	Ms. Gali Rajitha	Chemistry
62.	701227	Mr. P. Sagar Vijay Kumar	Chemistry

Total No. of Ph.D students on Rolls as on 30.06.2012

Department	Full Time	Part Time	Total
Civil Engineering	11	17	28
Electrical Engineering	21	11	32
Mechanical Engineering	31	42	73
Electronics and Communication Engineering	13	11	24
Metallurgical and Materials Engineering	2	3	5
Chemical Engineering	8	8	16
Computer Science and Engineering	12	10	22
Mathematics	26	7	33
Physics	10	0	10
Chemistry	36	3	39
School of Management	2	1	3
Humanities and Social Sciences	0	1	1
Total	**172**	**114**	**286**

5.2 DETAILS OF THE Ph. D AWARDED FROM 1.7.2011 TO 30.6.2012

Sl. No.	Name of the Scholar	Department	Supervisor	Title of the Research
1	Kharde Yashwanth Ramchandra Roll No. 700742	Mechanical Engineering	Prof. K.V. Sai Srinadh	Study of sliding wear, Erosive wear (Slurry, Air jet) and Tensile Behavior of PTFE, POM polymer and PTFE Polymer matrix composites
2	M. Kalyani Roll No. 700415	Humanities and Social Sciences	Prof. D.S. Kesava Rao	Quest Motif in the Novels of Margaret Atwood
3	Ch. Ram Reddy Roll No. 700818	Mathematics	Dr. D. Srinivasa Charya	Convective heat and mass transfer along vertical plate in a micropolar fluid
4	Chowdari Sumant Anant Roll No. 700604	Civil Engineering	Prof. P. Anand Raj	Multiobjective Multireservoir Fuzzy Decision Support System for River Sub Basin
5	K. Phaneendra Roll No. 700750	Mathematics	Prof. Y.N. Reddy	Computational Methods for a class of singularly perturbed two point boundary value problems
6	P. Sreehari Rao Roll No. 700403	E.C.E.	Prof. K.S.R. Krishna Prasad	Design of integrated circuits for power management Under mixed signal environment
7	Nalajam Guravaiah Roll No. 700718	Chemistry	Prof. V. Rajeswar Rao	Synthesis and Biological Activity Studies of Novel Types of Heterocycles and their Sulfones
8	K. Sharath Babu Roll No. 700826	Mathematics	Dr. N. Srinivasa Charyulu	Numerical solution of some steady state convection diffusion and impact problems
9	G. Subas Chander Roll No. 700764	Mechanical Engineering	Prof. G.R.N. Tagore	Some aspects of friction welding of austenitic stainless steel and low alloy steel
10	B. Suresh Kuarm Roll No. 700766	Chemistry	Prof. B. Rajitha	Synthesis and Biological Activities of Fused Heteroaryls
11	S. Srinivasa Rao Roll No. 700406	Chemistry	Prof. B.V. Appa Rao	Corrosion inhibition of carbon steel using ascorbate and lactobionate as synergists along with phosphonates and zinc ions
12	D. Chakradhar Roll No. 700751	Mechanical Engineering	Prof. A. Venugopal	Experimental Investigations on the Effect of Process Parameters on Geometrical Accuracies in Electrochemical Machining
13	Veeresh Kumar G.B. Roll No. 700746	Mechanical Engineering	Prof. CSP Rao & Prof. N. Selvaraj	Wear Studies on Al based MMCs and Prediction of Wear by ANN Models
14	A.V. Ramana Kumari Roll No. 700825	Mathematics	Prof. G. Radha Krishnamacharya	Effect of slip on peristaltic transport with wall properties.
15	Govardhan Gound Roll No. 700909	Mechanical Engineering	Dr. R. Narasimha Rao	Experimental Investigation on Properties of Roystonea Regia Natural Fiber Reinforced Epoxy Composites
16	Ch. Naga Satish Kumar Roll No. 700713	Civil Engineering	Dr. T.D. Gunneswara Rao	Mode-II Fracture of Concrete Members: Application in Torsion and Punching Shear
17	Ch. Venkata Sreenivasa Rao Roll No. 700820	Chemistry	Prof. V. Rajeswar Rao	Synthesis of New Heterocyclic systems from Phynacyl Bromides and 3-(2Bromoacetyl)-2H-1-Benzopyran-2-one
18	Lakshmivara Prasad. M Roll No. 700606	Civil Engineering	Dr. P. Ratish Kumar	Behaviour of Tie confined fiber reinforced self compacting recycled aggregate concrete
19	Donepudi Jagadish Roll No. 700911	Mechanical Engineering	Prof. P. Ravikumar & Prof. K. Madhu Murthy	Experimental and Theoretical Studies on Performance and Emissions of C.I. Engine using Biofuels
20	P. Saidi Reddy Roll No. 700730	Physics	Prof. R.L.N. Saiprasad	Studies on high and low temperature sensing using Fiber Bragg Gratings
21	S. Shankar Roll No. 700716	Civil Engineering	Prof. C.S.R.K. Prasad	Pavement Deterioration Models for Low-volume Roads
22	Prakash Kamisetty Roll No. 700506	Electrical Engineering	Prof. M. Sydulu	Novel algorithms and metaheuristic techniques for distribution system studies
23	T. Adhinarayanan Roll No. 700512	Electrical Engineering	Prof. M. Sydulu	New Techniques for Economic Operation of Thermal Stations in Vertically Integrated and Deregulated Environment

Number of Ph.Ds awarded from 1.07.2011 to 30.06.2012

Civil Engineering	:	04
Mechanical Engineering	:	06
Electrical Engineering	:	02
E.C.E.	:	01
Chemistry	:	04
Mathematics	:	04
Physics	:	01
English (H&SS)	:	01
	Total :	**23**

DST – FIST (FUND FOR INFRASTRUCTE DEVELOPMENT IN SCIENCE AND TECHNOLOGY) SCHEMES

Department of Metallurgical and Materials Engineering:

Total sanctioned : Rs.150 lakhs : For major equipments namely scanning electron Microscope, X-ray diffractometer and particle size analyzer.

Department of Chemistry:

Total sanctioned: Rs. 35 lakhs

For major equipment : Rs.25 lakhs
(FTIR spectrophotometer,
UV-visible spectrophotometer)
Minor teaching equipment : Rs. 5 lakhs
Setting up a computer lab : Rs. 5 lakhs

RESEARCH PROJECTS DURING July 2010 to Dec.2011

Title of the Research Project	Funding Agency	Budget Rs. in lakhs	Principal Investigator
Application of Coir Geo-textiles in Rural Roads – Performance Evaluation	Coir Board Ministry of MSME	110.00	Prof. CSRK Prasad Civil Engg. Dept.
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.
Evaluation of Beta Titanium alloys for Fasteners in Space Applications	ISRO, Dept. of SPACE	16.50	Prof. M.K. Mohan MME Dept.
High Temperature measurements using Fiber Bragg Grating Sensor	DST	31.20	Prof.K.Srimannarayana, Physics Dept.
Synthesis, characterization and doping effect – studies of complex metal oxide nanoparticles	DST	19.45	Dr.Vishnu Shankar Chemistry Dept.
"Synthesis and antiangiogenesis ativity of new sulphur heterocyclic compounds derived from coumarins	CSIR	9.58	Dr. V.Rajeswara Rao Chemistry Dept.
Impedance based immunosensors For detection of warfare toxins	DRDO	19.57	Dr.K.V.Gobi and Prof.B.V.Appa Rao Chemistry Dept

GRAND TOTAL: OF THE RESEARCH PROJECTS AMOUNT (2011) : 241.78 LAKHS

In line with the vision and mission of NIT Warangal, there is .....

Need for establishment of:

1. Centre for Intellectual Property Rights

   (Ministry of communications of Information Technology, Department of IT, TEQIP, can fund the workshops)
2. Design Innovation Centre (An inter disciplinary centre) (MHRD is inviting proposals).
3. Need for MoUs with more National Labs and Industries for collaborative research projects. Special emphasis to follow up the MoUs into realities in terms of projects and other outcomes. (with ARCI, Hyderabad & IICT, Hyderabad are in pipe line).

Need for strengthening the activities of:

1. Centres of excellence.
2. Centre for Innovation and Incubation.
3. Need for streamlining the assistance from technical and supporting staff, establishing systems and procedures for nurturing and promoting research and innovation culture.

5.3 THE RESEARCH PROJECTS THAT HAVE BEEN COMPLETED IN THE PAST FIVE YEARS - (Grouped Based On Area Of Research)

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 characterisa- tion of Zr B_2 powder and Zr Br_2 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.

Area of Research: Engineering and Science of Materials and Surfaces

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 Develop-ment	9.50	Prof. C.S.R.K. Prasad Civil Engg. Dept.
Rural Road Pavement Performance Study	Ministry of Rural Develop-ment	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 cationie amphiphiles for non-viral gene delivery targeting to tumors	DST	19.32	Dr.P.V.Srilakshmi Chemistry Dept.
Synthesis and antiangiogenesis ativity 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 photoplenthysmographic 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.
Fludized 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 – **Dr. V.T. Somashekar,** Electrical Engg.	F.28-34/2003.TS.V Dt.16-12-2003	6.00	Completed
Establishment of Optical Communication laboratory- **Prof. N..S.N. Murthy,** ECE	F.27-1/2004.TS.V Dt. 31-03-2005	12.00	Completed

Scheme: **R & D**

High Quality Low cost Ferro cement Housing - **Dr. V. Ramana Murthy,** Civil Engg.	F.26-4/2002.TS.V Dt. 31-03-2003	5.00	Completed
Rainwater Management for ground Water Recharge in Hard Rock Terrain – A Remote Sensing and GIS based Approach - **Dr.Deva Pratap,** Civil Engg.	F.26-14/2003.TS.V Dt. 14-01-2004	15.00	Completed
Reliability Enhancement of AC Adjustable Speed Drivers – **Dr.D.V.S.S. Siva Sarma,** Electrical Engg	F.26-14/2003.TS.V Dt. 14-01-2004	5.00	Completed
Implementation of Distributed Shared memory system based in Page based memory management unit – Prof.T.Ramesh & Sri Ch.Sudhakar	B4/F.V-1(1)/2005-06/ 1379	10.00	Completed
Information Security Education & Awareness Project (ISEAP) – Prof.B.B.Amberkar & Smt.G.Geetha Kumari	No. 6(2)/2004/ISEA/ Vol. 2 dt. 8.12.2005	3.22	Completed
Development of Methods of removal of Arsenic from Industrial Effluents by Bio-sorption and species alteration – **Prof.K.Laxma Reddy,** Chemistry	F.26-14/2003.TS.V Dt. 14-01-2004	15.00	Completed
Pusatile Flows with Boday Forces – **Dr.D.Srinivasacharya,** M & H	F.26-14/2003.TS.V Dt. 14-01-2004	3.00	Completed
Micro controller Based Phtoplethysmography Sensors for Cardiac Function Studies- **Dr.L.R.G.Reddy,** Physics	F.26-14/2003.TS.V Dt. 14-01-2004	14.00	Completed
Fluidized Bed Combustion of Agro-wastes – **Prof. G. Venkat Reddy,** 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 – **Prof. N.S. Murthy,** ECE	F.26-11/2004.TS.V Dt. 31-03-2005	8.50	Completed
Distributed Shared Memory Implementation Using Page Based Memory Management Unit – **Prof. T. Ramesh,** CSE	F.26-11/2004.TS.V Dt. 31-03-2005	10.00	Completed

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

b) Scheme: DRDL

Ongoing Cars Vibration Control Of Aerospace Structures Using Layered Damping - **P.Bangaru Babu**	03.06.08	4.95	Completed
Higher Order Spectral Estimation for identification of LPI Radar Signals – **Sri. L. Anjaneyulu**	--	9.5	Completed
Vibration control of Aerospace structures - **Prof.Bangarubabu**	--	4.95	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 – *Automata Theory and Formal Languages*	T Ramesh	10 lakhs	* Pilot work is completed. * Review is in progress
23.12.2009	Developing suitable pedagogical methods for various classes, intellectual calibers and research in e-learning – *Data Warehousing*	DVLN Somayajulu	10 lakhs	* Pilot work is completed. * Review is in progress
23.12.2009	Developing suitable pedagogical methods for various classes, intellectual calibers and research in e-learning – *Data Mining*	R B V Subramanyam	10 lakhs	* Pilot work is completed. * Review is in progress
23.12.2009	Developing suitable pedagogical methods for various classes, intellectual calibers and research in e-learning – *Cryptography and Applications*	B B Amberker	10 lakhs	* Pilot work is completed. * Review is in progress
23.12.2009	Developing suitable pedagogical methods for various classes, intellectual calibers and research in e-learning – *Problem Solving and programming*	S G Sanjeevi	10 lakhs	* Pilot work is completed. * Review is in progress
23.12.2009	Design and development of E-content generation and delivery management for student centric learning	Prof DVLN Somayajulu Prof B B Amberker	21 lakhs	* E-content for courses are under development as part of pilot project

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
6.	Pilot Project on a)Corridor Improvement using VISSIM, b) Bus Route Network Optimisation using VISUM	Prof. CSRK Prasad	PTV Vision, Germany	5.76 lakhs	1 year

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
5	Performance and behaviour of novel nanoparticles based Coolants (Nanofluids) in Minimum quantity lubrication in Turning and Milling	Dr.A.Venugopal, Associate Professor	DST	18.25 lakhs	2 years
6	Developing online pedagogy course for " Mechatronics	Dr. V Vasu	MHRD	10 lakhs	2 years

DEPARTMENT: ELECTRONICS & COMMUNIATION 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 Informa-tion 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
6	Social Media Monitoring and Measurement	Prof.DVLN Somayajulu Dr.RBV SUbramanyam	Infosys Tech. Ltd., Bangalore.	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 trialbo-logical properties of Titanium alloyws	Dr. G.V.S.Nageswara Rao, Associate Professor	DRDO Aer-omautics R&D	17.14 lakhs	3 years
2.	Evaluation of Beta Titanium alloys for Fasteners in Space Applications	Prof. M.K. Mohan	ISRO	16.50 lakhs	3 years
3.	Studies on corrosion behaviour of nickel based super alloy for application as a fasteners is marine environment	Prof. M.K.Mohan	Naval Research Board	18.80 lakhs	3 years
4.	Synthesis and characterisa-tion of Zr B_2 powder and Zr Br_2 based composite powder	Dr. Asit Kumar Khanra Asst. Professor	DRDO	14.90 lakhs	2 years
5.	Kinetic Study on Self-Propagating High Temperature Synthesis (SHS) of TiO_2-H_3BO_3-Mg Mixture for the production of Nanocrystalline and Ultrafine TiB_2 powder.	Asit Kumar Khanra	CSIR	21.5 Lakhs	3 years.

SCHOOL OF MANAGEMENT:

S. No.	Title of the Project	Principal Investigator & Other Co-investigators	Funding Agency	Budget sanctioned (Rupees)	Duration
1.	A Study on Research Activities in Nit System: Past, Present, Future	Dr.Ritanjali Majhi	DST	16.02 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,	CSIR	9.41 lakhs	3 years
2.	CFD Analysis of Low assisted corrosion (FAC) Problems in Pipes and pipe bends	Dr. H.P. Rani	BRNS	28.78 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
2.	Development of FBG sensors for Fusion Technology relevant Applications	Prof.M. Sai Shankar	DST	28.86 Lakhs	2 year
3	Synthesis and characterization of phosphate and silicate based bio active glasses and their ceramics for medical applications	Dr.P. Abdul Azeem Asst. Professor	DST	16.97 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 Dimeri- zable and Targatable cationic Peptide Amphiphiles for non-viral gene delivery	Dr.P.V.Srilakshmi, Assistant Professor,	CSIR	10.39 lakhs	3 years
3.	Development of benzoxa-zole and benzthiazole and benzimidazoles novel cationie amphiphiles for non-viral gine deliverty 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 ativity of new sulphur heterocyclic compounds derived from coumarins	Dr. V. Rajeswara Rao, Associate Professor	CSIR	9.58 lakhs	3 years
6	Development of nano organized electrochemical impedance immunosensors for detecting trace levels of explosives and biowarfare agents	Dr. K. V. Gobi (PI) Associate Professor Prof. B. V. Appa Rao (Co-PI)	DRDO	19.96 lakhs	3 years

TOTAL OF THE RESEARCH PROJECTS: 1053.42 LAKHS

5.5 Sponsored Research and Industrial Consultancy (SRIC)

During the period 01.07.2011 to 30.06.2012 an amount of Rs.1,12,37,987.00 has been collected from various organizations towards consultancy / testing charges and the works are completed.

DETAILS OF CONSULTANCY ACTIVITIES

DEPARTMENT OF CIVIL ENGINEERING

(a) Geotechnical Devision:

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

The organizations involved were:

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

The total earning by this Laboratory during the above period is **Rs: 35,39,650**

(b) Structures Division:

The following major consultancy works were undertaken.

Testing of Mix Desing, 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.

- S.C.Co, Ltd, Ramagundam, Bellampally, Bhupalapally, Konthagudam and Mancherial.
- Dy. E.E. RWS, Sub-Div., Husnabad.
- TUV SUD, South Asia, Secunderabad.
- E.E. I& CADD, Gauging div., LMD. Colony, Karimnagar.
- K.T. Power Project, Warangal. And some other organizations.
- M/s. P.S. Engineering Consultants, Secunderabad.
- E.E. CPWD, Vijayawada.
- M/s. SEW Infrastructure Ltd., Hyderabad and some other organizations

The total earning by this Laboratory during the above period is **Rs: 54,53,037**

(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,
- G.M Airport, Rajahmundry
- Panchayat Raj division, Asifabad.
- R & B Division – Warangal, Karimnagar, Medak,
- Ramky Infracture Ltd, Hyderabad.
- S.C.Co, Ltd., Ramagundam, Kothagudam, Bhupalapally.
- K.T.P.S. Paloncha. And some other organizations

The total earning by the Laboratory during the above period is **Rs: 2,09,200**

(d) Environmental Engineering Lab:

The following major consultancy works were undertaken.

Consultancy Work of Design of Effluent Treatment Plant. Water Testing

- South Central Railway Kazipet.
- Petrol Pump Warangal.
- Warangal Tanners And some other organizations

The total earning by this Laboratory during the above period is **Rs: 2,01,350**

DEPARTMENT OF ELECTRICAL ENGINEERING

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
- Chief Engineer, I & CADD, Priject (FAC), ONGOLE.

The total earning by this Laboratory during the above period is **Rs: 18,34,750**

6.0 ADMINISTRATIVE AND STATUTAORY BODIES AND OTHER COMMITTEES

6.1 The 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. T. Srinivasa Rao
Director
National Institute of Technology, Warangal

Special Secretary (T),
Technical Section,
Department of Higher Education,
MHRD, Govt. of India, Shastri Bhavan,
New Delhi – 110 115

Dr. K. Mruthyunjaya Reddy,
Scientist – F (SG)
National Remoting Agency
Balanagar, Hyderabad – 500 037.

Mrs. Preetha Reddy, (upto 6.11.2011)
Managing Director,
Appollo Hospitals Enterprises Ltd., Ali Towers,
Chennai.

Prof. (Dr.) Sanghamitra Bandyopadhyay
(from 7.11.2011)
Bhatnagar Award Winner
Misson Intelligence Unit
Indian Statistical Institute
203, D.T. Road,
Kolkata -700 108.

Dr. N. Srinivasacharyulu (upto 31.01.2011)
Associate Professor, Dept. of Mathematics
NIT, Warangal

Additional Secretary and Financial Advisor,
Dept. 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.

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

Dr. G. Ramachandra Reddy,(upto 22.11.11)
Professor, Department of Physics,
NIT, Warangal

Prof. K.S.R.Krishna Prasad (from 23.11.11)
Dept. of ECE,
NIT, Warangal

Sri K.Ravi Kishore (from 1.2.2011)
Associate Professor,
Dept. of ECE
NIT, Warangal.

SECRETARY

Prof. K. Madhu Murthy (upto 31.10.2011)
Prof. P.Anand Raj (from 1.11.2011 till 3-8-2012)
Registrar, NIT 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. T. Srinivasa Rao
Director
National Institute of Technology,
Warangal

Additional Secretary and Financial Advisor,
Dept. of Higher Education,
MHRD, Govt. of India, Shastri Bhavan New
Delhi – 110 115

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. G. Ramachandra Reddy,(upto 22.11.11)
Professor, Department of Physics,
NIT, Warangal

Prof. K.S.R.Krishna Prasad (from 23.11.11)
Dept. of ECE,
NIT, Warangal

MEMBER SECRETARY

Prof. K. Madhu Murthy (upto 31.10.2011)
Prof. P.Anand Raj (from 1.11.2011)
Registrar,
National Institute of Technology, Warangal

6.3 Building and Works Committee

CHAIRMAN

Prof. T. Srinivasa Rao
Director
National Institute of Technology,
Warangal

Sri R.K. Bandyopadhyay,
(upto 31.7.2011) (Retd.)
Dy. Secretary (NITs), Technical Section,
Department of Higher Education,
MHRD, Govt. of India, Shastri Bhavan,
New Delhi – 110 115

Sri Rajesh Singh, (from 1.8.2011)
Dy. Secretary (NITs), Technical Section,
Department of Higher Education,
MHRD, Govt. of India, Shastri Bhavan,
New Delhi – 110 115

Sri G. Radhakrishnan
Chief Engineer and I/c Superintending Engineer,
Hyderabad Central Circle - II,
Central Public Works Departments,
Nirman Bhawan, Sulthan Bazar,
HYDERABAD – 500 095 (A.P.)

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

Prof. N.S. Murthy
Dean, Planning & Development,
National Institute of Technology,
WARANGAL.

Dr. K. Mruthyunjaya Reddy,
Scientist – F (SG)
National Remoting Agency
Balanagar, Hyderabad – 500 037.

Sri P.Manickram
Chief Engineer,
HCEC-II,
Central Public Works Department,
Nirman Bhawan, Sultan Bazar,
Hyderabad-500 095

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

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

MEMBER SECRETARY

Prof. K. Madhu Murthy (upto 31.10.2011)
Prof. P.Anand Raj (from 1.11.2011)
Registrar,
National Institute of Technology, Warangal

6.4 SENATE

Chairman
Prof. T. Srinivasa Rao, Director

Secretary
The Registrar

Members
(Department-wise)

Civil Engg.
C.B.Kameswara Rao
K.V.Jayakumar (Lien)
N.V.Umamahesh, **Dean, SA**
P.Anand Raj
D. Ramaseshu
G. Rajesh Kumar
C.S.R.K.Prasad, **HOD**
Deva Pratap
Dr.M.Chandrasekha

Electrical Engg.
M. Sydulu
D.M. Vinod Kumar
D.V.S.S.Siva Sarma
N. Subrahmanyam, **HOD**
Bhagwan K. Murthy
N. Viswanathan
V.T.Somasekhar

Mechanical Engg.
B. Kotiveerachari
R.V. Chalam
K.Madhu Murthy
A.V.Narasimha Rao
L. Krishnanand, **HOD**
Ch.S.Prakasa Rao
S.Srinivasa Rao
P. Bangaru Babu
C.Gururaja Rao
A.Neelakanteswara Rao
A.Venugopal
P.Ravi Kumar
N.Selva Raj
K.V.Sai Srinadh
G.Amba Prasada Rao

Electronics & Communications Engg.
K.S.R. Krishna Prasad
N.S. Murthy, **Dean, P&D**
N.V.S.N.Sarma
B. Lakshmi **(HOD)**

Mathematics
T.K.V. Iyengar (Retired on 31.1.2012)
G. Radhakrishnamacharya
Y.N. Reddy
K.N.S. Kasiviswanadham, **HOD**
J.V.Ramana Murthy
Dr.Debashis Dutta

Computer Science & Engg.
T. Ramesh, **Dean, AA**
DVLN Somayajulu
B.B.Amberker
S.G. Sanjeevi, **HOD**

Chemical Engg.
G. Venkat Reddy
R. C. Sastry
Y.Pydisetty

Metallurgical & Materials Engg.
M. Krishna Mohan
G.V.S.Nageswara Rao
P. Suryaprakasa Rao

Physics
K. Srimannarayana
J. Ramachander Rao
G. Ramachandra Reddy (Lien)
A. Ramachandra Reddy, **Registrar**
S.V.S.Ramana Reddy
L. Ramgopal Reddy
M.Sai Shankar, **HOD**
R.L.N.Sai Prasad

Chemistry
B. Venkata Appa Rao
A. Ramachandraiah, **Dean, R&C**
G.V.P. Chandramouli, **Dean, FA**
I. Ajit Kumar Reddy
P. Nageswara Rao
K. Laxma Reddy
B.Rajitha (from 22.3.2012)
V.Rajeswara Rao (from 22.3.2012)

Humanities & Social Sciences
D.S. Kesava Rao, **HOD**

SOM
M. Ravinder Reddy, **HOD**

6.5 Other Committees

a) Deans' Committee:

All the Deans are the members with the Director, as Chairman and Registrar as the Secretary

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
   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
   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
   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
   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
   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
   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
   Ph. No. 0870-2462304, Mobile: 9866212198

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

1. Prof T.Srinivasa Rao, Director - Chairman
2. Prof. A.Ramachandra Reddy, Chief Warden - Convener
3. Prof. P.Anand Raj, Registrar - Member
4. Prof. R.C.Sastry, Dean Faculty Affairs - Member
5. Prof. G.Radhakrishnamacharya, Dean Student Affairs - Member
6. Dr. R.L.N.Sai Prasad, Dy.Chief Warden, Warden V-Mess - Member
7. Dr. Deva Pratap, Dy.Chief Warden, Incharge, Halls of Residence - Member
8. Dr. J.Pranitha, Warden, Priyadarshini Mess & New ladies Hostel - Member
9. Prof. Incharge Project Engineer's Office. - Member
10. Dr. A.Aruna, Medical Officer - Member
11. Mr. D. Sumanth, Student Council President - Member
12. Mr. G.Vishnu,Block Secretary, Student Council - Member
13. Mr. Bobby Mathews, Mess Secretary, Student Council - Member

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

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

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 (By rotation, for two years)	...	Members
3. Two Associate Professors of the Department (By rotation, for two years)	...	Members
4. Two Assistant Professors of the Department possessing 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 Scruitiny 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 of 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 asses and approve the research proposal of the candidate.
6. To asses 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

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 (AA)	...	Member
3. Dean (FA)	...	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	2009-2010	2010-2011	2011-2012
I. Opening Balance:			
a) Cash in hand			
--- Main Cash Book	1917081	302868	569553
--- Petty Cash Book	140739	151054	199699
--- Imprest with Departments	54400	135950	205889
--- Fee Account	--	1867892	0
b) Bank Balances			
--- In Current Accounts	23677375	151327644	99331072
--- In Deposit Accounts	--	--	--
--- Savings Account	8251946	448456	2784644
II. Grants Received:			
a) From Govt. of India			
--- Towards Capital Fund			
--- Towards Revenue Exp.			
b) Grants received by TEQIP	1367827873	951211503	447161825
c) Staff Subscription towards PF			
d) Institute Contribution towards PF			
e) Endowment fund received			
III. INCOME ON INVESTMENTS FROM:			
Earmarked/Endowment Funds	256458	298168	241468
Own Funds(other Inv) TEQIP	--	--	--
IV. Interest Received:			
a)On Bank Deposits	19383244	15251787	37824554
b) Loans, Advances etc.	--	--	--
V. Other Income(Specify):			
--- Rents from Hostels	16899397	18161115	20449076
--- Licence Fee Staff Quarters	493821	697471	797657
--- Rents from Guest House	862800	368138	443200
--- Revenue Receipts from UGC	102105643	114030665	159163131
--- Revenue Receipts from MCA	---	---	---
--- Revenue Receipts from PGC	32084432	41339686	47228145
VI. Amount Borrowed:	63890000	---	---
VII. Other Income TEQIP:	4000	---	---
VII. Any Other Receipts:			
--- Under Funded Accounts			
--- Other Deposit Accounts			
--- Investments Accounts	1086612553	943197360	2268454435
--- Advances Accounts			
--- Other Items(St.Liabilities)			
--- Purchases Accounts			
	2724461762	**2238789757**	**3084854348**

(Amount in Rupees)

PAYMENTS	2009-2010	2010-2011	2011-2012
I. Expenses:			
a) Establishment Expenses	398102262	348130230	447186371
b) Administrative Expenses	133181198	168257562	203600953
II. PAYMENTS MADE AGAINST Funds for various Projects:			
--- Towards various funded accounts	92376432	119291287	185240281
III. Investments land deposits made:			
a) Out of Earmarked/Endowment Fund	1300000	150000	25000
b) Out of Own Funds	460238618	1225675875	2008264827
c) Interest accrued on Investments	--	10498582	--
IV. Expenditure on Fixed Assets & CWIP:	1071728704	169801087	45447606
V. Refund of Surplus Money Loans:	69397844	--	--
VI. Finance Charges:	--	--	--
VII. Other Payments:			
--- Other deposits account --- Other Liabilities(St.Liabilities) --- Purchases Accounts --- Advances Accounts --- Endowment Payments --- Govt. of A.P.– Arrears of Pension paid --- Refund of Capital Fund (Surplus)	343902840	93894277	160754583
VIII. CLOSING BALANCES:			
a) Cash in hand			
--- Main Cash Book	302868	569553	153480
--- Fee Account (Cash)	1867892	--	--
--- Petty Cash Book	151054	199699	192721
--- Imprest with Departments	135950	205889	232889
b) Bank Balances			
--- In Current Accounts	151327644	99331072	28938603
--- In Deposit Accounts	--	--	--
--- Savings Account	448456	2784644	4817034
--- Cheques on hand	--	--	--
	2724461762	**2238789757**	**3084854348**

ATRC Reddy 24/12/2012
Registrar
National Institute of Technology
Warangal

24/12
DIRECTOR
National Institute of Technology
(Deemed University)
Warangal, (A.P.)



कंप्यूटर केंद्र Computer Centre



कंप्यूटर केंद्र के वर्क प्लेस
Work place of Computer

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 the campus users.

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

Facilities:

- Well furnished and air conditioned laboratories with uninterrupted power supply.
- Facility for on-line teaching in the laboratories.
- State-of-art hardware and software.
- All laboratories have their own LAN and are connected to the OFC backbone.
- Each laboratory has desktops with high-end configurations.
- Center has high-end Dell servers to support advance softwares

Centre has advanced sotwares viz. Matlab, Autocad, Autodesk Inventor, Ansys, ProE, Informatica, etc.

9.2 Workshops

Central Workshop 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, Metal Casting, Machine Tools Lab. It also conducts laboratory classes in Material Testing. In Workshop the following are the Equipment available (Prior to 2011-12):

1. Universal Milling Machine (Hungary Make)	21. Bench Top CNC Milling Machine Model 3020
2. Slotting Machine	22. SS & SC HARIHAR LATHE (Type D1) (10 Nos)
3. Surface Grinding Machine	23. SS & SC HARIHAR LATHE (Type D2) - 2 Nos
4. Power Hacksaw Machine	24. Precision Turret (Capstan) Lathe
5. MMM brand Precision Lathes (2 Nos)	25. Shaping Machine (Botliboi) – Geared
6. Geedee Wheeler Precision Lathes (2 Nos)	26. Pillar Drilling Machine (38MM)
7. Universal Milling Machine : (Botliboi Make)	27. Bench Type Drilling and Grinding Machines.
8. Submerged Arc Welding	28. Oil Cooled Welding Transformer (25-300 Amps)
9. MIG Unit	29. Spot Welding Machine
10. Rectifier Power Source for Automatic Welding	30. Electrochemical machining unit
11. TIG Torch with Accessories:	31. Power Tools for various Trades (Bosch Make)
12. RIAT Planning Machine	32. Magnetic crack detector unit
13. No.7B Combination Turret Lathe	33. 150Amps Inverter MMA Welding equipment
14. Technique Flash Welding Machine	34. 200Amps single phase air cooled welding trans
15. 40 Tons Capacity Mechanical Press	35. Sand testing equipment
16. KEARC Welding Rectifier Thyristorised controlled Type wort 300CC	36. Plastic Injection Molding Machine
17. EDM A50 Spark Erosion Machine	37. Ultrasonic Flaw Detector
18. Hydraulic Controlled Power Hacksaw Machine	38. Variable speed precision lathe
19. Implant Testing System for Cold Cracking of Welds	39. Tool & Cutter Grinder
20. Welding Power Source (Lincoln Electric Co., USA)	40. BFW Vertical Milling Machine

In addition to the above Equipment, the Institute workshops are further Strengthened with the following equipment procured in 2011-12 :

1. Infrared Thermometer
2. Heat Treatment Furnace
3. 50 Ton Hydraulic Press
4. Electronic Analytical Balance
5. Planner with Blade set (Bosch make)
6. Impact Drilling Machine (Bosch Make)
7. Circular Saw (Bosch make)
8. Cut-off saw
9. Power Screw Driver (Bosch Make)

The above equipment and the existing modern Equipment are being utilized for the class work (UG and PG) and also for 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 1,62,880 volumes which includes 32,288 Back Volumes 7,111 standards specifications (Indian and Foreign), 7,646 Pamphlets, 526 Photocopies, 56 Maps, 2055 CD-ROMs and 350 Video Cassettes etc., The total cost of the books is Rs. 7.06 crores.

ADDITIONS TO THE LIBRARY DURING THE YEAR 2011-12:

During the year 5,284 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 01.07.2011 to 30.06.2012	Rs. 66,59,628=00
Expenditure on Journals from 01.07.2012 to 30.06.2012	Rs. 11,47,124=00
Book Bank for Needy Students total investment upto 30.06.2012	Rs. 7,22,148=00
Book Bank for SC/ST student's total investment up to 30.06.12	Rs. 22,10,121=00
Book Bank for BCWD students up to 30.06.12	Rs. 3,15,273=00
Book Bank for SC students up to 30.06.2012	Rs. 2,81,499=00
Book Bank for ST students upto 30.06.2012	Rs. 3,35,641=00
Expenditure of IT infrastructure, furniture and equipment, Others, etc	Rs. 1,88,593=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 250 Journals, out of which 130 are Indians, 120 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 6 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 2,796 needy students were benefited through the scheme.

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. 5,480 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 1,75,901 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 IIT, 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)-Back files available from the year 2000-2008
- ACM Digital Library
- Springer Verlag Link
- Nature
- J-Gate
- Indian Standards 18,000 in e-form availed 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 2000 CD-ROMs available in the Library loaded in the system and made it accessible to the users in the Library. The departments also can access the same information through the LAN.

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

INSTITUTIONAL REPOSITORY (IR): It is also proposed to establish IR (Institutional Repository), a digital archive of research out-put created by the faculty, Research scholars and Dissertations of 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 and Infrastructure

CIVIL ENGINEERING

Laboratories:

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

Major Equipment:

- Microprocessor based data acquisition System
- Accelerated curing
- Non-destructive test equipment
- Flame Photometer
- Doppler Radar
- Clegg impact
- Air Pollution Testing Apparatus
- Automobile Exhaust Analyzer
- Weigh-in-motion Equipment
- Load man
- Class Impact
- Impact Hammer
- USB 6008 – Data Acquisition card (under RRPPS)
- Core cutting equipment (core from bituminous/cement concrete pavement)
- Water sampler
- Ductility Equipment
- Digital Dial Indicators
- Vacuum Pump
- Vibrating Table
- Immersion Type Needle Vibrator
- Integral Proving Rings 5 Ton CC to 100 Ton CC (5 Nos.)
- Digital Strain indicator
- Tinius Olsen testing machine
- Polaris cope
- Nuclear density gauge
- Automatic Road Unevenness Indicator
- Centrifugal pump test Rig
- Automatic Compactor
- Driver Testing Equipment
- Wheel Tracking
- Dynamic Analysier
- MERLIN – road roughness measurement (under RRPPS)
- Brookfield Viscometer (Bitumen Rheology studies)
- Sample cutter (slab/beam cutting)
- Liquid-Sediment sampler
- Brookfield Viscometer
- Core Cutter with Drilling Bits
- Hot Air Oven
- Digital Longitudinal Compressometer
- Pan type Concrete Mixer 40 Litre
- Orbital Shaker

ELECTRICAL ENGINEERING

Laboratories:

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

Major Equipment:

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

MECHANICAL ENGINEERING

Laboratories:

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

Major Equipment:

CNC Milling Machine-2 ½ axes (Denford, U.K.)	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_x)
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 (Furnace 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,	CNC Lathe & Training System
PLC Trainer Kits	Five axis servo controlled Robot
Modular Servo System	Mechanism Training Module
Power Tools	Dimension SST 3-D Printer (Rapid Prototype)
150 Amp. Inverter based MMA welding equipment	Magnetic Crack detector
Electro Chemical Machining Unit	Pyrhellometer with 2 axis Tracker
Multipoint fuel injuction 4 cylinder petrol engine	Portable vibration analyzer and balancing
4 Component quartz Dyanmo meter	Thermal Engineering
Automatic Studio	Energetics
Vibration Simulation Test Rig	Air conditioning Test Rig

Single Cylinder Petrol Engine Test Rig
Magnetic Crack Detector Unit
200 Amp single phase air cooled welding Transformer
Plastic Injection Molding Machine
Variable Speed PrecisionLathe
Vertical Milling Machine
Pulse generator for EDM
CSD-3 Sunshine Recorder

MIMICS Software

Steam Turbine Test Rig
150 Amps Inverter MMA welding equipment
Sand Testing equipment

Ultrasonic Flaw Detector
Tool &Cutter Grinder
Workshop Tools & Equipment
LOG BOX – 8 channel data logger
Tool Makers Microscope - Production Engg. Lab

ELECTRONICS & COMMUNICATION ENGINEERING

Laboratories:

Problem Oriented Research Lab
Bio-Medical
VLSI Lab (sponsored by MICT, New Delhi)
Basic Electronics
Integrated Circuits
Electronic Computer Aided Design
Instrumentation Systems
Microwave

Signal Processing
Image Processing
Electronic Circuits
Microprocessor
Communication Systems
Intelligent Instrumentation
Computer Communication
Personal Computer
Advanced Microprocessor trainer kits purchased to microprocessor laboratory (15 No.s)

Major Equipment

Cellular Telephony Trainer
Test and Measuring Equipments
Microwave Network Analyzer and Tests Setups
ISDN Trainer
Biomedical Work station for Advanced Processing.
PC Based Multi Channel (Simultaneous) ECG Acquisition System.
PC Based Instrumentation Trainer
Satellite Receiver
Spectrum Analyser
Mixed Signal Oscilloscope, Arbitrary wave form generator and multi meters

Process Control Simulator
ISDN Trainer
Optical Fibre Trainer

Microprocessor Research
International Standard ECG Libraries
Multi Function Calibrator
Multimedia Conferencing
Image Processing Work Station
VLSI tools (Cadance, Altera Synopsys, Tanner etc.)
Optical com. Trainers

COMPUTER SCIENCE & ENGINEERING

Laboratories:

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

Major Equipment

Four servers and 42 Sun blade Systems	One Xeon Based Server, 10 Workstations and 25 Desktop Systems with 3D Graphics
Purchased 40 HCL laptops and 7 Tablet PCs	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:

Hot-wire Anemometer	Single Effect Evaporator
Spray Tower	Horizontal and vertical condenser
Shell and tube heat exchanger	Process Trainer
PID Controller Simulator Trainer	Programmable Function Generator
Processor Control Simulator Trainer	Diffusivity Apparatus
Reactive Destillation	Aspen Plus Simulation Software
	Flue gas Analyzer

Adiabatic Batch Reactor	Fermenter
Combined flow reactor	Computer Control of Temperature level and flow processes
Cascade Reactor	Tubular Reactor
Fluidized bed bio reactor	Embulsion Polymerization Reactor
Gas Chromotograph	Semi batch Reactor
ASPEN PLUS software	High performance Liquid Chromotograph
Prosimulator Software	UV Visible spectrophotometer
Rheometer	CHEMCAD software
pH/ORP/ISE/Conductivity/DO: Bench Top Ion Meter	CFX software
Acer Netbook	Fluidized Bed Combustor
Ultra Sonicator	5 KVA UPS System

METALLURGICAL AND MATERIALS ENGINEERING

Laboratories:

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

Major Equipment:

20 ton Universal Testing Machine	2 ton Hounsfield Tensometer
SHIMADZU Micro hardness Tester HMV 2000	Scanning Electron Microscope (JSM-T200, JEOL)
X–Ray Diffractometer (JDX – 8030, JEOL)	Fluidized Bed Furnace
	Creep Testing
Pin-On-Disc Wear Testing Monitor	Plus TIG Unit
Thermogravimetric Analyzer (CHAN-131) GAS Chromatograph (AIMIL-NUKON)	SHIMADZU Computer Controlled Universal Testing Machine (250 kN)
Leitz Metallurgical Microscope	Lab Model Ball Mill
Digital Microbalance with 0.1 mg and 0.01 mg.	Metallurgical Microscope with Image Analyser
Polymeter Extruder	PID Temperature controller
Multifle Furnace upto 1400°C	Tube Furnace up to 1000°c
Vickers Hardnes Tester	Digital Rockwell Hardness Tester
Thermocale Sofate	TCC + TCW Software package site license
DICTRA software	Foundry Sand Testing Unit

- Metallographic Work Station
- Binocular Upright Metallurgical Microscope
- LCD Projectors
- Surface Roughness Tester with std. Accessories
- Virtual Casting Simulation Software
- Hydraulic press for powder compaction (30T)
- Scanning Electron Microscope with EDS facility (TESCAN – VEGA 3LMU)
- Optical Brinell Hardness Testing Machine, (OPAB-3000 – Hitech India Equipments Pvt Ltd)
- Magnetic Particle Testing Machine
- Hydraulic Press (Capacity – 25T) – Kimaya Engineers
- Optical Microscopes (3 No's) – SR Technologies
- Disc Polisher – SR Technologies
- Digital Copier & Multifunction machine
- Pulveriser
- Pin-on-disc wear Testing machine
- Dry Erosion Tester
- Electrochemical Workstation (Galvanostat / Potentiostat), Model No. : CH604D
- Digital balance of accuracy ±0.01mg
- Impact Testing Machine (AIT-300N – Hitech India Equipments Pvt Ltd)
- Rockwell Hardness Testing Machines (2 No's), (MRS – Hitech India Equipments Pvt Ltd)
- Constant Temperature Bath (Tempo – Tempo Instruments and Equipments (I) Pvt Ltd)
- High Temperature Furnace – RS Enterprises
- Oven – Instruments & Equipments Ltd
- Digital Balance – AND GR-200

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
- Packed Bed Bioreactor
- Biosafety Cabinet
- Scanning Tunneling Microscope
- Gas Chromatograph
- Spectrophotometer
- Flame Photometer
- Fermenter Bioreactors
- Laminar Airflow
- VLife MDS, Bioinformatics Software
- SuperPro Designer 8.0, Software
- Inverted Microscope

PHYSICS

Laboratories:

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

Major Equipment:

- Laser (Ar – Ion, Ruby, N2, He-Ne & Semi – Conductor)
- Optical Data Processing Unit
- ESPI for NDT
- Pentium PCs with Multimedia
- Digital Storage Oscilloscope (400 MHz & 100 MHz)
- Image Processing Workstation
- Holographic Equipment
- Vibration Free Optical Table
- Fiber Optic Kits
- Optical spectrum Analyzer & multi wave length meter
- Optical sensing interrogator system
- Storage Oscilloscope
- Broad band SLED light sources of 1310 & 1550nm, Fiber optic fusion splicer with fiber cleaver, Optigrating simulation and characterization software
- VHF & Microwave Field Strength Meters
- PC Based Instrumentation Trainer
- Optical Power Meters
- Multi-channel Analyser
- Microprocessor Kits (8086, Z80, 8085) & VDUS
- Keithly Electrometer
- Instrumentation Tutors
- Microwave Equipment (X and P Bands)
- Neutron Source
- Communication Kits
- Planck's constant set up
- G.M. set up

CHEMISTRY

Laboratories :

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

Major Equipment:

Carlo Erba 1108 CHNS – O Elemental Analyzer
EG & G PARC 264 A3 Polarographic Analyzers / Stripping Voltammeter
Sartorius MC-5 Microbalance
BAS CV-27 Electrochemical System
Orin 902 Expandable Ion Meter
Simadzu Specular Reflectance Accessory
Electrogravimetric Analyzer

Shimadzu 820/PC Fourier Transform Infared (FTIR)Spectrophotometer
Flash Chromatograph
BOD Incubator
Systronics Flame Photometer
UV Visible Spectrophotometer (Analytik Make)
Micro Processor Based Flame Photometer
Electronic Portable Balance
Visible Spectrophotometer
Turbidimeter
Polarimeter
Hedolph Rotary Evaporator
Melting point Apparatous
Electrochemical Analyzers
Rotavapor with accessories
Cryostat
HPLC
High temperature Programmable furnace
Thermostat with temperature control
Orbital shaker
Perkin Elmer 100S FTIR spectrophotometer
Mettler M3 and M5 Microbalances
Shaking Incubator
Digital polarimeter

Shimadzu UV-160 A Ratio Recording UV–Vis–NIR Spectrophotometer
Shimadzu IR-408 infrared Spectrophotometer
UV-Vis-NIR Spectrophotometer with
Shimadzu 160/220V UV-Vis-NIR Spectrophotometer fast Kinetics Software
Low Temperature Kinetics Device
Aimil 5765 Gas Chromatograph
Inserf Cryostatic circulating Liquid Bath
Stopped Flow Kinetic Accessory
Mettler M 5 & M3 Microbalances
Polytron Magnetic Susceptibility Set-up
Digital Ptentio meter

Demineraliser water treatment plant
Electro gravimetric Analyser
Circulating Water batch
Flame Photometer
KBr pellet maker
Vaccum pump
FT-IR Spectrophotometer
Cyclic Voltammeter
Digital Balances
Visible Spectrometers
Ultra Centrifuge
Water bath Shaker

Digital polarimeter
Ice making machine
UV-Vis-NIR Spectrophotometer with DRS attachment
High speed cooling centrifuge
Buchi Rotovapor

MATHEMATICS & HUMANITIES

Laboratories:

Computational Laboratory with adequate number of systems to work on UNIX / DOS/WINDOS environments. It has MATLAB Software.

An English Language Teaching Laboratory with 40 booths. In addition, it has audio, video and computer facilities with software items on CALL (Computer Assisted Language Learning).
Mathematical Modeling Laboratory with models and charts relating to mathematical concepts

Major Equipment:

UPS, TABLET, ANSYS SOFTWARE, PRINTER
Work Station
Digital Copier
For Department Computation Laboratory, 12 new Desktops with i5-processors

9.5 Hospital, Post Office, Shopping Centre

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

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

Dr. A. Aruna

Dr. T. Thirupathi Reddy (Contract basis)

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

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

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

9.6 Physical Facilities

Venues 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 (with Foreign Exchange Facility)
- & 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 and Campus LAN: The campus has excellent facilities for communication through telephones, fax, e-mail and wired and WiFi LAN.

9.7 Games and Sports Facilities
(vide above)

9.8 Other Facilities like Hostels, Messes Staff Quarters, Administration
(vide above)

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

STUDENT HOBBY CLUBS DURING THE YEAR 2011-2012

Sl. No.	NAME OF THE DEPARTMENTAL/TECHNICAL ASSOCIATION
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

Part II

Annual Accounts
&
Audit Report

2011-12

SIGNIFICANT ACCOUNTING POLICIES AND 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 accrual basis including Interest received on Bank deposits and Govt. Grants.

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.11,27,81,978/- in respect of Instructional Buildings and Hostel Buildings.

04. Depreciation: Depreciation has not been provided in the books of accounts. As and when asset is declared as unserviceable / obsolete, 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 Expenditures: 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.
    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: 244.564 Acres.

09. The Provision towards retirement benefits has not been made since it is accounted in accounts on cash basis.

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

11. The Non-Plan grant is treated as Income and accounted during the year as per the AG audit advice.

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

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

14. 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.

15. Some of the funds incurred expenses resulting in negative balances which were shown under Schedule – 11 under Asset side as receivables.

16. All remaining findings have been executed during the financial year 2009 – 10

17. 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 2012-13.

A R C Reddy 24/12/2012
Registrar
National Institute of Technology
Warangal

DIRECTOR 24/12/12
National Institute of Technology
(Deemed University)
Warangal, (A.P.)

NATIONAL INSTITUTEOF TECHNOLOGY, WARANGAL
CONSOLIDATED BALANCE SHEET AS AT 31-03-2012

(Amount in Rupees)

CORPUS / CAPITAL FUND AND LIABILITIES	SCHEDULE	Current Year	Previous Year
Corpus / Capital Fund	1	1183187208	1126905464
Reserves and Surplus	2	2615400000	2565400000
Earmarked / Endowment Funds	3	369372043	323038973
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	95678007	74042499
TOTAL		4268489213	4094238891
ASSETS			
Fixed Assets - (Capital Assets)	8	2062466460	1905908476
--- Capital Work in progress	8	1194411463	1305521841
Investments - From Earmarked / Endowment Funds	9	608268491	565478664
Investments - Others	10	144200000	136700000
Current Assets, Loans, Advances Etc.	11	259142799	180629910
Miscellaneous Expenditure (to the extent not written off or adjusted)			
TOTAL		4268489213	4094238891
Significant Accounting Policies	24		
Contingent Liabilities and Notes on Accounts	25	0	0

A B C Reddy
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NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2012

(Amount in Rupees)

SCHEDULE - 1 - CORPUS / CAPITAL FUND	Current Year			
	Main College	Provident Fund	TEQIP	Total
Balance as at the beginning of the year	799411445	155041968	172452051	1126905464
Add: Contributions towards Corpus / Capital Fund	0	40958290	0	40958290
Add: Contributions receivable towards Capital Fund	0	0	0	0
Add: Surplus of Grant received earlier years - as per AG audit advice	0	0	0	0
Add / Deduct: Balance of the net income / (exp) transferred	35677612	0	0	35677612
from the Income and Expenditure Account				
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 expenses / Refund of money	0	0	0	0
Less: Payments during the year out of capital fund	0	-20354158	0	-20354158
BALANCE AS AT THE YEAR - END	835089057	175646100	172452051	1183187208

(Amount in Rupees)

SCHEDULE - 2 - RESERVES AMD SURPLUS	Current Year			
	Main College	Provident Fund	TEQIP	Total
1) Capital Reserve :				
As per the last account	2565400000	0	0	2565400000
Add: Additions during the year	50000000	0	0	50000000
Less: Deductions during the year	0	0	0	0
2) Revaluation Reserve :				
As per the last account	0	0	0	0
Add: Additions during the year	0	0	0	0
Less: Deductions during the year	0	0	0	0
3) Special Reserve :				
As per the last account	0	0	0	0
Add: Additions during the year	0	0	0	0
Less: Deductions during the year	0	0	0	0
4) General Reserve :				
As per the last account	0	0	0	0
Add: Additions during the year	0	0	0	0
Less: Deductions during the year	0	0	0	0
TOTAL	2615400000	0	0	2615400000

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2012

(Amount in Rupees)

SCHEDULE - 5 - UNSECURED LOANS AND BORROWINGS	Current Year			
	Main College	Provident Fund	TEQIP	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)	0	0	0	0
— EMD		0	0	0
TOTAL	4851955	0	0	4851955

Note : Amounts due within one year

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2012

(Amount in Rupees)

SCHEDULE - 7 - CURRENT LIABILITIES AND PROVISIONS	Current Year			
	Main College	Provident Fund	TEQIP	Total
A) CURRENT LIABILITIES				
1) Acceptances	0	0	0	0
2) Sundry Creditors	0	0	0	0
3) Advances Received				
— Government of Andhra Pradesh	9031891	0	0	9031891
4) Interest accrued but not due on :	0	0	0	0
5) Statutory Liabilities				
— GLIS	30342	0	0	30342
— LIC (SSS)	-181	0	0	-181
— Professional Tax	156744	0	0	156744
— Sales Tax	0			0
— Labour Commissioner (CESS)	-180			-180
— EPF	-441	0	0	-441
— Staff Contribution for NPS Scheme	70992	0	0	70992
— Income Tax	0	0	0	0
— Provident Fund Subscription	11763	0	0	11763

6) Other Liabilities				
--- Payable to AP State Government	1188468	0	0	1188468
--- Lab & Library Deposit	24704300	0	0	24704300
--- Earnest Money Deposit	25263025	0	770	25263795
--- Other Deposits	2232101	0	0	2232101
--- Deposit for Rent and Other Service Charges	2000	0	0	2000
--- Admission Deposit	446664	0	0	446664
--- Outstanding Liabilities	28153813	0	0	28153813
--- Security Deposit	0	0	0	0
--- NIT Stores Co-operative Deposit	992684	0	0	992684
--- ICC R&D Deposit Account	11000	0	0	11000
--- Security Deposit for Staff Quarters	51840	0	0	51840
--- Library books purchased out of students funds	3216399	0	0	3216399
TOTAL : (A)	95563224	0	770	95563994
B) PROVISIONS				
1) For Taxation				
2) Gratuity	0	0	0	0
3) Superannuation / Pension	0	0	0	0
4) Accrued Leave Encashment	0	0	0	0
5) Trade Warranties / Claims	0	0	0	0
6) Others (Specify)	0	0	0	0
--- Other Deposits Account	0	0	0	0
--- Interest Suspense Account	0	114013	0	114013
TOTAL : (B)	0	114013	0	114013
TOTAL : (A) + (B)	95563224	114013	770	95678007

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2012

(Amount in Rupees)

SCH - 8 - Fixed Assets	Current Year			
	Main College	Provident Fund	TEQIP	Total
1. Land				
a) Freehold Land	1	0	0	1
b) Leasehold Land	0	0	0	0
2) Buildings				
a) Freehold Land	1451191973	0	14702290	1465894263
b) Leasehold Land	0	0	0	0
c) Ownership Flats / Premises	0	0	0	0
d) Superstructures on Land not belonging to the entity	0	0	0	0
3) Plant, Machinery and Equipment	328164382	0	104287799	432452181
4) Vehicles	2678648	0	0	2678648
5) Furniture, Fixtures	61438983	0	5305346	66744329
6) Office Equipment	0	0	8424982	8424982
7) Computer / Peripherals	29291382	0	11740161	41031543
8) Electric Installations	340000	0	0	340000
9) Library Books	13769720	0	27992243	41761963
10) Tube wells and Water supply	0	0	0	0
11) Other Fixed Assets	3138550	0	0	3138550
12)Work in progress	0	0	0	0
Total	1890013639	0	172452821	2062466460

SCH - 9 - INV FROM EARMARKED/ENDOWMENT FUNDS	Current Year			
	Main College	Provident Fund	TEQIP	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) Others (Specify)				
— Fixed deposits with bank (Endowment)	3227789	0	0	3227789
— Fixed deposits with bank	464446174	0	0	464446174
— Corpus Fund	126664245	0	0	126664245
— Maintenance Fund	4024693	0	0	4024693
— Depreciation Fund	5548508	0	0	5548508
— Staff Development Fund	4357082	0	0	4357082
TOTAL :	608268491	0	0	608268491

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2012

(Amount in Rupees)

SCHEDULE - 10 - INVESTMENTS - OTHERS	Current Year			
	Main College	Provident Fund	TEQIP	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) Others (Specify)				
--- Fixed deposits with SBH	0	144200000	0	144200000
--- Investments in STDR's	0	0	0	0
--- Deposits with other Departments	0	0	0	0
TOTAL :	0	144200000	0	144200000

(Amount in Rupees)

SCHEDULE - 11 - CURRENT ASSETS, LOANS, ADVANCES	Current Year			
	Main College	Provident Fund	TEQIP	Total
A) CURRENT ASSETS				
1) Inventories	0	0	0	0
a) Stores and Spares				
--- Cement	0	0	0	0
--- Central Stores	15472	0	0	15472
--- Steel	85660	0	0	85660
--- LC Suspense	0	0	0	0
--- FDD's	3828699	0	0	3828699
b) Loose Tools	0	0	0	0
c) Stock in Trade				
--- Finished Goods	0	0	0	0
--- Work in progress	0	0	0	0

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL
SCHEDULES FORMING PART OG BALANCE SHEET AS AT 31-03-2012

(Amount in Rupees)

SCHEDULE - 11 - CURRENT ASSETS, LOANS, ADVANCES	Current Year			
	Main College	Provident Fund	TEQIP	Total
A) CURRENT ASSETS (Contd.....)				
2) Sundry Debtors :				
— Debts outstanding for a period exceeding six months	0	0	0	0
— Others	0	0	0	0
3) Cash Balances in Hand				
— Main Cash Book	153480	0	0	153480
— Petty Cash Book	192721	0	0	192721
— Fee account (CASH)	0			0
— Imprest with departments	232889	0	0	232889
4) Bank balances				
a) With Scheduled Banks				
— On Current Accounts	28700931	0	0	28700931
— 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	844427	3972607	0	4817034
b) With Non - Scheduled Banks				
— On Current Accounts	0	0	0	0
— On Deposit Account	0	0	0	0
— On Saving Accounts	0	0	0	0
5) Post Office Saving Accounts	0	0	0	0
6) Contributions receivable towards Capital and Non-Plan Grant at the end of 03/09	111300000	0	0	111300000
TOTAL : (A)	145354279	3972607	0	149326886
B) LOANS, ADVANCES AND OTHER ASSETS				
1) Loans :				
a) Staff :				
— Festival Advance	253500	0	0	253500
— Marriage Advance	0	0	0	0
— TA / D A advance to employees	0	0	0	0
— Bicycle Advance	2148146	0	0	2148146
b) Other Entities engaged in activities / objectives similar to that of Entity	0	0	0	0
c) Others(Specify)				
— Other Advance to FLC	0	0	0	0
— Deposit with Other Departments	5075133	0	0	5075133
— Other departments of Institute / Contractors / CPWD	70525629	0	0	70525629

Contd.....

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2012

(Amount in Rupees)

SCHEDULE -11- CURRENT ASSETS, LOANS, ADVANCES B) LOANS, ADVANCES AND OTHER ASSETS (Contd.....)	Current Year			
	Main College	Provident Fund	TEQIP	Total
2) Advs and other amounts recoverable in Cash or in Kind or for value to be recd.				
a) On Capital Account	0	0	0	0
b) Prepayments	0	0	0	0
c) Others				
--- Due from Government of India	0	0	0	0
3) Interest Accrued:				
a) On investments from Earmarked / Endowment Funds	0	0	0	0
b) On investments - Others				
On Bank Deposits	0	27587506	0	27587506
c) On Loans and Advances	0	0	0	0
d) Others (includes income due unrealised Rs.....)	0	0	0	0
4) Claims Receivable				
5) Other Receivables				
a) Gold Medal Suspense Account	187864	0	0	187864
b) AICTE QIP - Non Plan	1256784	0	0	1256784
c) AIEEE	372000	0	0	372000
d) ISTE -STTE NV Uma Mahesh	960	0	0	960
e) UGC Dr V Rajeshwar Rao	5191	0	0	5191
f) Receivable from NIT, Delhi	2403200	0	0	2403200
TOTAL : (B)	82228407	27587506	0	109815913
TOTAL : (A) + (B)	227582686	31560113	0	259142799

ARCReddy
Registrar 24/12/2012
National Institute of Technology
Warangal

DIRECTOR 24/12
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(Deemed University)
Warangal, (A.P.)

NATIONAL INSTITUTE OF TECHYNOLOGY, WARANGAL

CONSOLIDATED RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31-03-2012

(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	447186371	348130230
	— Main Cash Book	569553	302868		b) Administrative Expenses	203600953	168257562
	— Petty Cash Books	199699	151054				
	— Imprest with Departments	205889	135950	II.	Payments made against Funds for Various Projects	185240281	119291287
	— Fee Account (Cash)	0	1867892				
	b) Bank Balance						
	— In Current Accounts	99331072	151327644				
	— In Deposit Accounts	0	0				
	— Savings Accounts	2784644	448456	III.	Investments and deposits made		
II.	Grants /Subscription/Fund recd				a) Out of Earmarked/Endowment Fund		
	—Towards Capital Grant	70000000	650000000			25000	150000
	—Towards Revenue Exp.	350000000	280000000				
	–PF Subscription received	27136825	21211503		b) Out of Own Funds	2008264827	1225675875
	–Endowment Fund received	25000	0				
					c) Interest accrued on investments	0	10498582
III.	Income on Investments from			IV.	Expenditure on Fixed Assets & CWIP	45447606	169801087
	a) Earmarked/Endowment Funds	241468	298168				
	b) Own Funds (other Inv)	0	0	V.	Refund of Surplus Money / Loans	0	0
IV.	Interest Received			VI.	Finance Charges	0	
	a) On Bank Deposits&SB a/c	37824554	15251787	VII.	Other payments	160754583	93894277
	b)Loans,Advances etc.(Only of College)	0	0				
	— Rents from Hostels	20449076	18161115	VIII.	CLOSING BALANCES		
	— Licence Fee (Staff Quarters)	797657	697471		a) Cash in Hand		
	— Rents from Guest House				— Main Cash Book	153480	569553
		443200	368138		—Fee Account(Cash)	0	0
	— Revenue Receipts from UG course	159163131	114030665		— Petty Cash Books	192721	199699
	— Revenue Receipts from MCA	0	0		— Imprest with Departments	232889	205889
	— Revenue Receipts from PG course	47228145	41339686		b) Bank Balance		
					— In Current Accounts	28938603	99331072
V	Other Income (TEQIP)	0	0		— In Deposit Accounts		0
VI	Amount Borrowed	0	0		— Savings Accounts	4817034	2784644
VII.	Any Other Receipts	2268454435	943197360				
	TOTAL	**3084854348**	**2238789757**		**TOTAL**	**3084854348**	**2238789757**

A R C Reddy
Registrar 24/12/2012
National Institute of Technology
Warangal

DIRECTOR
National Institute of Technology
(Deemed University)
Warangal, (A.P.)

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	569553	0	0	569553
— Petty Cash Book	199699	0	0	199699
— Imprest with departments	205889	0	0	205889
—Fee Account (Cash)	0	0	0	0
2) Bank Balance				
With Scheduled Banks				
— On Current Accounts	99331072	0	0	99331072
— On Saving Accounts	597887	2186757	0	3784644
Item No. 2				
Grant Received	Main College	PF Details	TEQIP Details	Total
a) From Govt. of India (College)				
— Towards Capital Fund	70000000	0	0	70000000
— Towards Revenue Exp	350000000	0	0	350000000
b) Grants received by TEQIP				
c) Staff Subscription towards PF	0	24243665	0	24243665
d) Institute Contribution towards PF	0	2893160	0	2893160
c) Endowment Fund received (College)	25000	0	0	25000
TOTAL	420025000	27136825	0	47161825
Item No. 3				
Income on Investments from				
a) Earmarked / Endowments fund	241468	0	0	241468
b) Own funds				
Item No. 4				
Interest Received	Main College	PF Details	TEQIP Details	Total
On Bank Deposits				
Interest on STDRs	35310406	2202461	10965	37523832
Interest on Saving Accounts	0	300722	0	300722
TOTAL	35310406	2503183	10965	37824554

Enclosure to Consolidated Receipts and Payments				
Item No. 7 of Receipts				
Any other Receipts	Main College	PF Details	TEQIP Details	Total
— Under Funded Accounts	211854662	0	0	211854662
— Outstanding Liabilities	28153813	0	0	28153813
— Other Deposit Accounts	8743296	0	0	8743296
— Investments Accounts	1940000000	0	0	1940000000
— Advances Accounts	11145403	0	0	11145403
— Other Items (St. Liabilities)	67442622	0	0	67442622
— Purchases Accounts	1114639	0	0	1114639
— Realisation of STDRs /FDRs	0	0	0	0
— EMD (Procurement)	0	0	0	0
— EMD – Civils	0	0	0	0
— Deposits matured	0	0	0	0
— Advances - FLC	0	0	0	0
TOTAL	2268454435	0	0	2268454435

PAYMENT SIDE					
Item No.1					
Expenses		Main College	PF Details	TEQIP Details	Total
a)	Establishment Expenses	447014758	0	171613	447186371
b)	Administrative Expenses	201999245	28	1601680	203600953
	TOTAL	649014003	28	1773293	650787324
Item No.2					
Payment made against Funds for Various Projects		Main College	PF Details	TEQIP Details	Total
a)	— towards various funded accounts	164886151		0	164886151
b)	— Staff Subscription	0	19918565	0	19918565
	— Institute Contribution	0	435565	0	435565
TOTAL		164886151	20354130	0	185240281

Item No.3				
Investment and deposits made out of own funds	Main College	PF Details	TEQIP Details	Total
Investment and deposits made out of own funds	1982789827	7500000	18000000	2008264827
Investment out of Earmarked /Endowments funds	25000	0	0	25000
TOTAL	**1982814827**	**7500000**	**18000000**	**2008289827**

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	45447606	0	0	445447606
TOTAL	45447606	0	0	445447606

Item No. 7

Any other Payments	Main College	PF Details	TEQIP Details	Total
— Other deposits Account	15284913	0	0	15284913
— Other Liabilities (St. Liabilities)	68646674	0	0	68646674
— Purchases Accounts	4129505	0	0	4129505
— Advances Accounts	70290291	0	0	70290291
— Endowment Payments	0	0	0	0
— NIT, Delhi Receivable	2403200	0	0	2403200
— 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
TOTAL	160754583	0	0	160754583

PAYMENT SIDE					
Item No. 8					
Closing Balances		Main College	PF Details	TEQIP Details	Total
1)	a) Cash in Hand			0	0
	— Main Cash Book	153480	0	0	0
	— Petty Cash Books	192721	0	0	0
	—Fee Account (Cash)	0	0	0	0
	— Imprest with Departments	232889	0	0	0
2)	b) Bank Balance		0	0	0
	— In Current Accounts	28700931	0	237672	28938603
	— In Deposit Accounts	0	0	0	0
	— Savings Accounts	844427	3972607	0	4817034
	—Fee Bank Account (Current a/c)	0	0	0	0
	— Cheques on Hand	0	0	0	0
	TOTAL	**30124448**	**3972607**	**237672**	**33755637**

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL
CONSOLIDATE INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31-03-2012

(Amount in Rupees)

INCOME	SCHEDULE	Current Year	Previous Year
Income from sales / Services	12	0	0
Grants / Subsidies	13	421300000	320000000
Fees / Subscriptions	14	193091515	145896020
Income from Investments (Income on Investment from earmarked / endowment	15	0	0
funds transferred to funds)			
Income from Royalty, Publications etc.	16	0	0
Interest Earned	17	49134916	14595000
Other Income	18	34989694	28701055
Increase / (decrease) in stock of Finished goods and works-in-progress	19	0	0
TOTAL (A)		698516125	509192075
EXPENDITURE			
Establishment Expenses	20	447014758	348130230
Other Administrative Expenses	21	215820710	178909537
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
TOTAL (B)		662835468	527039767
Balancing being excess of Income over Expenditure(A-B)		35680657	-17847692
Transfer to Special Reserve (specify each)		0	0
Transfer to / from General Reserve		0	0
BALANCE BEING SURPLUS / (DEFICIT) CARRIED TO CORPUS/ CAPITAL FUND		35680657	-17847692
Significant Accounting Policies	24		
Contingent Liabilities and Notes on Account	25		

A.B.C.Reddy
Registrar 24/12/2012
National Institute of Technology
Warangal

DIRECTOR
National Institute of Technology
(Deemed University)
Warangal, (A.P.)

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL
SCHEDULES FORMING PART OF CONSOLIDATED INCOME AND EXPENDITURE ACCOUNT
FOR THE YEAR ENDING 31-03-12

(Amount in Rupees)

SCHEDULE - 17 - INTEREST EARNED	Current Year			
	Main College	Provident Fund	TEQIP	Total
1) On Term Deposits				
a) With Scheduled Banks	35310406	13824510	0	49134916
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				
a) With Scheduled Banks	0	0	0	0
b) With Non - Scheduled Banks	0	0	0	0
c) Post Office Savings Accounts	0	0	0	0
d) Others	0	0	0	0
3) On Loans				
a) Employees / Staff	0	0	0	0
b) Others	0	0	0	0
4) Interest On Debtors and Other Receivables				
--- Interest receivable on Fixed deposits	0	0	0	0
TOTAL	**35310406**	**13824510**	**0**	**49134916**

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL
SCHEDULES FORMING PART OF CONSOLIDATED INCOME AND EXPENDITURE ACCOUNT
FOR THE YEAR ENDING 31-03-12

(Amount in Rupees)

SCHEDULE - 18 - OTHER INCOME	Current Year			
	Main College	Provident Fund	TEQIP	Total
1) Profit on Sale / disposal of Asset				
a) Owned Assets	0	0	0	0
Sale of Vehicles				
b) Assets acquired out of grants, or received free of Cost	0	0	0	0
2) Export Incentives realised	0	0	0	0
3) Fees for Miscellaneous Services	0	0	0	0
4) Miscellaneous Income				
--- Training Fee received	0	0	0	0
--- Sale of Application Forms for PG Courses	481347	0	0	481347
--- From Students Hostels	20449076	0	0	20449076
--- From Staff Quarters / Licence Fee	797657	0	0	797657
--- From Guest House	443200	0	0	443200
--- Issue of Identity Cards	153000	0	0	153000
--- Medical aid and Examination Fee	0	0	0	0
--- Hostel Establishment Charges	0	0	0	0
--- Other Miscellaneous Receipts	2738580	0	0	2738580
--- Electricity & Water Charges from Hostels and Staff Quarters	9926834	0	0	9926834
TOTAL	**34989694**	**0**	**0**	**34989694**

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL
SCHEDULES FORMING PART OF CONSOLIDATED INCOME AND EXPENDITURE ACCOUNT
FOR THE YEAR ENDING 31-03-12

SCHEDULE - 20 - ESTABLISHMENT CHARGES	Current Year			
	Main College	Provident Fund	TEQIP	Total
A) Salaries and Wages	327837179	0	0	327837179
B) Allowances and Bonus	3543932	0	0	3543932
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	2743322	0	0	2743322
--- Livery to Staff	0	0	0	0
--- Medical Reimbursement Charges	2455919	0	0	2455919
F) Expenses on Employees " Retirement and Terminal Benefit Pension Payments"	110434406	0	0	110434406
TOTAL	**447014758**	**0**	**0**	**447014758**

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL

SCHEDULES FORMING PART OF CONSOLIDATED INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDING 31-03-12

(Amount in Rupees)

SCHEDULE - 21 - OTHER ADMINISTRATIVE EXPENSES ETC	Current Year			
	Main College	Provident Fund	TEQIP	Total
a) Purchases	0	0	0	0
b) Labour and Processing Expenses	0	0	0	0
c) Cartage and Carriage Inwards	0	0	0	0
d) Electricity and Power and Water Charges	33488275	0	0	33488275
e) Insurance	0	0	0	0
f) Repairs and Maintenance	28643879	0	0	28643879
g) Excise Duty	0	0	0	0
h) Rent, Rates and Taxes	806038	0	0	806038
I) Vehicles running and maintenance	783979	0	0	783979
j) Postage, Telephone and Communication Charges	1272844	0	0	1272844
k) Printing and Stationery	1373978	0	0	1373978
l) Traveling and Conveyance Expenses	0	0	0	0
m) Expenses on Seminar / Work Shops	0	0	0	0
n) Subscription expenses	0	0	0	0
o) Expenses on Fees	0	0	0	0
p) Auditors Remuneration	384296	0	0	384296
q) Hospitality Expenses	0	0	0	0
r) Professional Charges (Legal Charges)	1077100	0	0	1077100
s) Provision for Bad and Doubtful Debts / Advances	0	0	0	0
t) Irrecoverable Balances Written off	0	0	0	0
u) Packing Charges	0	0	0	0
v) Freight and Forwarding Expenses	0	0	0	0
w) Distribution Expenses	0	0	0	0
x) Advertisement and Publicity	754857	0	0	754857
y) Others (Specify)	0	0	0	0
— Interest paid to Subscribers	0	13821465		13821465
— Training of Faculty	0	0	0	0
— Operation & Maintenance	0	0	0	0
— Faculty / Seminar / Symposia / Training to Staff & Faculty Development	111605	0	0	111605
— DOC Contingent Expenses (UG & PG)	4529528	0	0	4529528
— Contingent for Special faculty and allowances	11173370	0	0	11173370
— Security Staff Salaries	9123442	0	0	9123442
— Stipends / Scholarships	83504694	0	0	83504694
— Maintenance of Internet and E-Mail	6045987	0	0	6045987
— Computer Maintenance charges	0	0	0	0
— Guest House - Other charges	361944	0	0	361944
— Book bank for needy students	0	0	0	0
— Donations / Scholarships	17530587	0	0	17530587
— Other Miscellaneous Charges	1032842	0	0	1032842
TOTAL	**201999245**	**13821465**	**0**	**215820710**

Separate Audit Report of the Comptroller and Auditor General of India on the Accounts of National Institute of Technology, Warangal for the year ended 31 March 2012

We have audited the attached Balance Sheet of National Institute of Technology, Warangal as at 31 March 2012, the Income & Expenditure Account and 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, Income & Expenditure Account and 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:

A. Consolidated Balance Sheet

A.1. Liabilities

A.1.1 Reserves and Surplus – Rs. 261.54 crore (Schedule-2)

A.1.1.1 This includes Plan Grants of Rs.5 crore sanctioned for acquisition of Capital Assets, incorrectly classified under Capital Reserves instead of accounting distinctly as a separate fund account, which resulted in overstatement of Reserves & Surplus and understatement of Earmarked Fund by Rs.5 crore.

A.1.2. Earmarked/Endowment fund–Rs. 36.94 crore (Sch-3)

A.1.2.1 The value of books, Rs.1,32,07,054/- purchased out of Students Library Fee Fund, not capitalized and incorrectly treated as revenue expenditure resulted in understatement of Deferred Income and Fixed Assets by Rs.1.32 crore.

A1.2.2 This includes minus balances of Rs.18,22,799/-[1] in respect of certain fund accounts, added to the actual closing Fund Account balance, which resulted in understatement of Earmarked Fund and receivables under Current Assets by Rs.0.18 crore

A. 2. Assets

A.2.1. Fixed Assets – Rs. 206.24 crore (Schedule-8)

A2.1.1 This includes Fixed Assets of Rs.189,00,13,639/- exhibited at its book value without providing any depreciation over a period of years inspite of repeated audit comments, which resulted in overstatement of Net Asset value (could not be quantified due to non-adoption of any depreciation rates).

A2.1.2 This does not include value of Laptops and Computer peripherals of Rs.1,45,57,108/- purchased as part of Professional Development Allowance sanctioned to the teaching faculty, incorrectly treated as revenue expenditure, which resulted in understatement of Fixed Assets and Surplus & Corpus/Capital Fund by Rs.1.45 crore.

A2.1.3 This does not include Capital items[2] of Rs.8,81,518/- purchased during the year , incorrectly classified as revenue expenditure, which resulted in understatement of Fixed Assets and Corpus/Capital Fund by Rs.0.08 crore.

A.2.2. Current Assets, Loans, Advances etc.: Rs.25.93 crore (Schedule-11)

A.2.2.1 This includes expenditure of Rs.2,68,13,877/- incurred by CPWD for Deposit works as on 31st March of the year incorrectly shown as advance, which resulted in overstatement of Advances under Current Assets and understatement of Works-in-Progress under Fixed Assets by Rs.2.68 crore.

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[1] Gold Medal Suspense: Rs.1,87,864/-, AICTE/QIP(NP): Rs.12,56,784/-, AIEEE: Rs.3,72,000/-, ISTE-STTP, NV Uma Mahesh: Rs.960/- and UGC Dr.V Rajeshwar Rao: Rs.5,191/-

[2] (i) Air conditioners : Rs.1,65,000/-, (ii) 500 KVA Transformer: Rs.5,60,807/- and Furniture & Fixtures: Rs.1,55,711/-

B. Consolidated Income and Expenditure

B.1. Income: Rs.69.85 crore

B.1.1 This does not include unspent balances of Rs.1,34,09,258/- in respect of closed courses, incorrectly accounted for under Earmarked Fund as "College resource fund (Self Generation)" inspite of previous year audit comment, which resulted in overstatement of Earmarked fund account and understatement of Income /Surplus by Rs.1.34 crore.

B.2. Expenditure: Rs.66.46 crore

B.2.1. This includes prepaid expenses of Rs.6,06,179/-[3] towards medical insurance premium and Internet & e-mail maintenance charges, which resulted in overstatement of current year Expenditure and understatement of Current Assets, Loans & Advances by Rs.0.06 crore.

C. General

1. An extent of 1750 Sq.m of land leased by the Institute to Warangal Municipal Corporation for 30 years from 25.09.2009 @ Rs.1/ per Sq.m and 93 Sq.m to Post office @Rs.1000/- per month were not disclosed in 'Note on Accounts'.

2. The accumulated liability for payment of interest to Government of India on the balance loan amount of Rs.48.52 lakh outstanding for more than 25 years was not provided for in the accounts.

D. Net effect of Audit Comments on accounts

The net impact of audit comments given in preceding paragraphs is understatement of Liabilities by Rs.1.75 crore, Assets by Rs.3.09 crore and Surplus by Rs.1.34 crore.

[3] (i) Medical insurance premium: Rs.1,92,554/- and (ii) E-mail maintenance charges: Rs.4,13,625/-

E. Grants-in-Aid

Out of total Grants-in-aid of Rs.51.13 crore received during the year (Plan: Rs.5 crore and Non-Plan:Rs.46.13 crore), which includes Non-Plan Grant of Rs.4 crore pertaining to year 2010-11 received in 2011-12, Rs.11.13 crore sanctioned in 2011-12 and receivable during the year, along with unspent certified balance of previous year amounting to Rs.39.63 crore and internal income of Rs.25.53 crore, totalling Rs.116.29 crore, the Institute utilized a sum of Rs.72.90 crore, leaving a balance of Rs.43.39 crore un-utilized as on 31 March 2012.

F. Management Letter

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

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

vi. In our opinion and to the best of our Information and according to the explanations given to us, the said financial statements read together with the Accounting Policies and Notes on Accounts, and subject to the significant matters stated above and other matters mentioned in Annexure to this 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 the National Institute of Technology, Warangal as at 31 March 2012; and

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

(SADU ISRAEL)
Principal Director of Audit (Central)

Annexure to Separate Audit Report

1. **Adequacy of Internal Audit System:** Internal Audit Wing was not established by the Institute. A Chartered Accountant firm, M/s. Tota Karunakar & Co, Warangal was entrusted with the pre-audit of procurement process of equipments as per Stores Purchase Rules of the Institute.

2. **Adequacy of Internal Control System:** The internal controls were adequate and commensurate with size and nature of the Organisation.

3. **System of Physical verification of fixed assets:** Physical verification of Fixed Assets was not conducted for the year.

4. **System of 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.

17/12/12

(L. KRISHNAN)

उप निदेशक/ प्रत्यक्ष कर & केन्द्रीय स्वायत्त निकायों



राष्ट्रीय प्रौद्योगिकी संसथान वारंगल - नवम दीक्षांत समारोह में उपस्थित शिक्षक

Faculty of NITW during 9th Convocation held on 27th Aug 2011



राष्ट्रीय प्रौद्योगिकी संसथान वारंगल - नवम दीक्षांत समारोह में स्टाप, छात्र छात्राओं के अभिभावक

Gathering of Staff and parents of students during 9th Convocation held on 27th Aug 2011



Areal view of Hostels