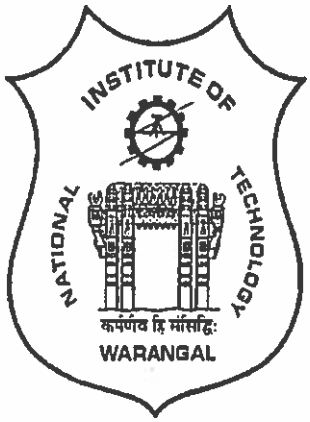
Annual Report & Annual Accounts

2012 - 2013



NATIONAL INSTITUTE OF TECHNOLOGY

WARANGAL - 506 004

ANDHRA PRADESH

FOREWORD

The dexterity of brilliance and aura of exuberance of any organization is portrayed through its Annual Reports. Every Institute, marching unswervingly ahead, with huge heap of fruits of commitment having been realized, wishes to display its proud harvest before the masters who feed and nurture it and after its approval, before the public to whom it belongs.

The National Institute of Technology Warangal has been witnessing a steady progress in all spheres of its enshrined mission and vision objectives. A comparative glance of the datasheets embodied in the Annual Reports of NIT Warangal over the years till date infers its progressive evolution and qualitative leaps of academic excellence, thanks to the exemplary roles played and hard work rendered by my predecessors. They handed over the baton to me and I humbly carry it forward to take the Institute to greater heights for wider visibility of its immaculate past and luminous present in order to define and strive to reach new goalposts in the national and international landscape of technical education. NIT Warangal has its undergraduate, postgraduate and doctoral enrollments and all other performance indicators increasing year after year.

The year, 2012-2013, marks a record number of about 40 doctoral degree awards, of about 35 academic mobilities to European Institutes through Cohort 1 of the Erasmus Mundus Scheme, the HERITAGE project and of about 85 young faculty members receiving the Research Seed Money (RSM) grants from the Institute. It also features the institution of new inter-disciplinary Centres of Excellence at both Institute and Departmental levels with support from the TEQIP-II. Above all, NIT Warangal has been bestowed with Dr. Ella Krishna, an eminent scholar and dynamic industrialist as its Chairman, Board of Governors.

The 2nd Floor of most of the academic buildings, now have fully furnished and spacious classrooms with plush interiors. Many young and active faculty received research grants from various national and international funding agencies.

The Annual Report and Accounts Statement, 2012-2013, embodied in subsequent pages of this booklet, presents the landmarks, accomplishments, placements, personnel and statistics of several academic and estate details besides its audited financial datasheets and audit report.

Finally, I appreciate the efforts of the members of the Annual Report Committee who collected and compiled the Report in a presentable format.

Prof. T. Srinivasa Rao
Director

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National Institute of Technology

WARANGAL - 506004, Andhra Pradesh

CERTIFICATE

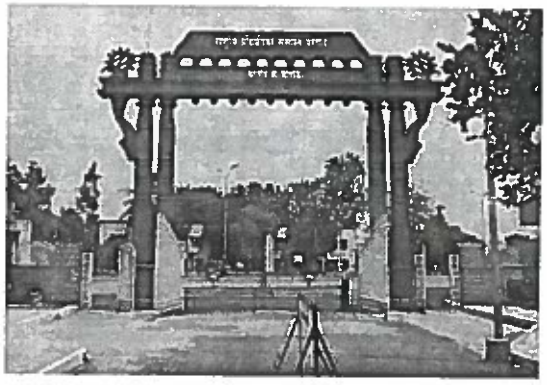
Certified that the copies of the enclosed Annual Report and Annual Accounts for the year 2012-2013 have been fully checked and compared with the originals and there are no inaccuracies or omissions in the report.

4/12/13

DIRECTOR
National Institute of Technology
Warangal

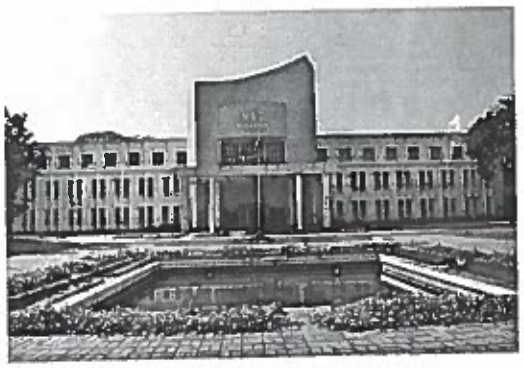
Vision Statement

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



Mission Statement

- To provide state of 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.



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.



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 408 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 53 years of its existence, it has become a proud *Alma Mater* for over 14060 graduates in different branches of engineering and technology, 8547 postgraduates and 408 doctorates in engineering 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 & Materials, Chemical, Computer Science and Engineering and Biotechnology 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 Choice Based Credit System (CBCS) of Education.

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. 14.22 crores.

The institute has good infrastructure and it is being further improved under Technical Education Quality Improvement Programme (TEQIP- Phase II) funded by the World Bank. The placement of students through campus interviews during the year 2012-13 has been excellent. 156 organizations visited the campus and 604 of B Tech among 763 students (79.4%) 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 meter track. The Institute has 20 student clubs and 12 departmental associations, which organize activities to promote total personality development among students.

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

1 INTRODUCTION

1.1 Education System

Choice Based Credit System: Both the UG and PG programmes follow the Choice Based Credit System of Teaching and evaluation. 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 is 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 have completed 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 of curriculum, choice based credit system at UG, PG and Doctoral levels.

1.2 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 already established.

- Centre for Advanced Materials (CAM)
- Centre for Automation and Instrumentation (CAI)
- Centre for Urban Transport Studies (CUTS)

New Centre Sanctioned during 2012-13

- Centre for Sustanable and Alternate Energies (CSAE)

2.0 AN OVERVIEW

2.1 Historical Background

National Institute of Technology, Warangal, formerly known as Regional Engineering College, witnessed 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	**1st Convocation of NIT Warangal**. Prof. S.K. Joshi, Chairman, Board of Governors, IIT Roorkee and Former Director General, CSIR delivers the First Convocation address.
5th June 2007	NIT's Act of Parliament received the assent of the President
January 25, 2008	Bharath Ratna Dr. A. P. J. Abdul Kalam, Former President visits Campus during TECHNOZION
	Honourable Minister of MHRD Smt. Purandeswari inaugurated 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, assumed 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.
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 Guests.
March 21, 2012	18th Finance Committee and 23rd Board of Governors meeting held.
September 15, 2012	10th Convocation was held on 15th Sept 2012, in which Dr. K. Radhakrishnan, Chairman ISRO & Secretary, Dept of Space, GoI, was the Chief Guest
October 2012	The NIT Warangal has entered into an MoU with the Erasmus Mundus (Indo – Europe Academic Exchange Programme) Scheme, called, "HERITAGE" Programme. Eight Indian Higher Education Institutes (IHEIs) and 12 European Higher Education Institutes (EHEIs) are the major partners under this Programme
October 25, 2012	Prof. B.L.Deekshatulu relinquished his duties as the Chairman, Board of Governors
October 26, 2012	Dr. Krishna M. Ella takes charge as the Chairman, Board of Governors, NITW
Feb 28, March 1, 2013	Prof. T. Srinivasa Rao, Director participated at the Progress Meeting of Heritage scheme at Ecole Centrale de Nantes, France for effective collaboration and research activities by exchange programmes.

2.2 Location

Warangal is located at the latitude of 18.01 and the longitude of 79.58.

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.

2.4 Administration

An Overview:

The Board of Governors

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

The Finance Committee and the Building Works Committee look after the finance and construction under the directives of the BoG of the institute.

The Director

The head of the Institution is the Director with full financial and administrative powers.

The Senate

The Senate is the Apex body that takes decisions in all matters related to Academics.

The Deans' Committee

The Deans' Committee takes important decisions whenver the Director summons it.

The Deans

The Director is assisted by 5 Deans namely, Dean (Research & Consultancy), Dean (Academic), Dean (Faculty Affairs), Dean (Planning & Development), and Dean (Students' Welfare). There are Associate Deans to assist the Deans in day-to-day activities

The Heads of the Department

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

The Registrar

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 the Assistant Registrars.

The Chief Warden

The Chief Warden is the head of the students' hostels. He is in turn assisted by a team of wardens.

Other Committees

Library Advisory Committee, Hostel Advisory Committee, Games Committee, Stores Purchase Committee and other Committees of the Institute assist the Deans and the Director.



एन आई टी वरंगल के निदेशक एकले सेन्ट्रले दे नैन्टेस, फ्रांस के साथ समझौता में हस्ताक्षर कर रहे थे

Director signing MoU with Ecole Centrale de Nantes, France for Erasmus Mundus Heritage Programme



एन आई टी वरंगल के निदेशक ने इरेस्मस मुंदुस - हेरिटेज कंसोर्टियम समिति में भाग लिए थे

Director at Erasmus Mundus Program - Heritage Consortium Meeting

2.5 Academic Programmes

The Institute offers the following undergraduate, postgraduate and doctoral programmes:

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

2.6 Courses Offered

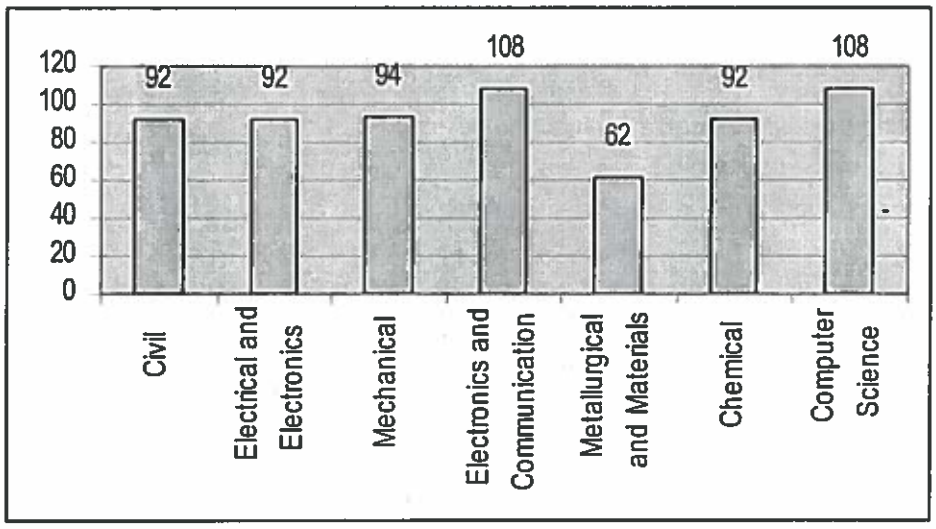
Undergraduate Courses (B.Tech.)

Under Graduate (B.Tech. Degree) programs are offered in the following disciplines by the respective program hosting departments.

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
Metallurgical and Materials Engineering	62	1965
Chemical Engineering	92	1964
Computer Science and Engineering	108	1983
Bio-technology	92	2006

Other teaching departments are:

i) Mathematics
j) Humanities and Social Sciences
k) Physics
l) Chemistry
m) School of Management



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 Technology & Management	20	2008
Electrical and Electronics Engineering		
1. Power Systems Engineering	38	1964
2. Power Electronics and Drives	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. Automobile Engineering	20	2008

Department / Specialisation	Current Year Intake	Year Sarted in
Electronics and Communications Engineering		
1. Electronic 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	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. (Tech)

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 (Photonics, Electronics and Materials)	48	1970

Doctoral programmes (Leading to the degree of PhD)

Ph.D. Programmes are offered in

a) All branches of Engineering and Technolgoy
b) Sciences (Mathematics, Physics and Chemistry)
c) Humanities & Social Sciences
d) School of Management

2.7 ADMISSION PROCEDURE

Admission to 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 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.

Among the AIEEE, there shall be two mode of admssions viz. (a) qualified AP State pool (b) qualified national pool. Of them reservation of seats is as per GoI norms. In addition to them, students are admitted under DASA programme as per the nominations made by the Ministry / ICCR etc.

It is decided by the Govt. of India that admission into all B Tech programmes from next academic year are based on JEE Main examinations.

B Tech Course Structure

The total course package for B.Tech Degree Program will typically consist of the following components.

a) Basic Science Core Courses ≥ 20 Credits
b) Other Engineering Core courses ≥ 28 Credits
c) Humanities and Social Science Core Courses ≥ 7 Credits
d) Program Core Courses ≥ 81 Credits
e) Departmental Electives ≥ 18 Credits
f) Open Elective Courses ≥ 6 Credits
(Open Elective Courses can be any of the following:Basic Sciences, Other Engineering Courses, Humanities, Social Science, Management)
g) Mandatory Courses = 04 credits
(Environmental studies:3, Seminar-1, Extra Academic Activity-0)
h) Departmental/Program Major Project = 06 Credits

Each student should have cleared, with P or better grade, at least 190 credits to be eligible for the award of the B.Tech. Degree.

The Departmental Board of Studies (UG-DAC along with external members) will discuss and finalize the exact credits offered for the program for the above components 'a' to 'h', the semesterwise distribution among them, as well as the syllabi of all undergraduate courses offered by the department from time to time and recommend the same to the Senate for consideration and approval.

Curriculum in the first two semesters:

In the first two semesters, students of all the B.Tech. programs will have the same curriculum.

Every student admitted in the first year is required to register and complete satisfactorily in Extra-Academic Activity (EAA) in the first two semesters, which is mandatory. However, the EAA does not carry any credits.

Under EAA, the students can opt eigher Games & Sports or NCC / NSS.

Major Project: The Major Project is a 6-credit course and is offered in the IV Year First and Second semesters. It carries 2 credits in the First semester and 4 credits in the Second semester. The method of evaluation may be as per the guidelines given under B.Tech Project evaluation.

Minimum number of credits that a student can register in any given semester is 16. Maximum number of credits that can be registered in a semester is 30 inclusive of backlog subjects registered for "Study". It is 34 inclusive of backlog subjects registered for "Study" as well as "Examination"

Admission to M. Tech

M Tech Admissions are made on All India basis for all the programs, with reservations as per Government of India norms. The selection criterion for admission into all the M.Tech programs is based on valid GATE score. Candidates seeking admission into M.Tech in Engineering should have passed BE / B.Tech or equivalent degree in the subject concerned from a recognized University/Institute with First Class and not less than 60% aggregate marks (of all the years) or equivalent CGPA of 6.5/10. In case of SC/ST candidates 55% aggregate marks (of all the years) or equivalent CGPA of 6.0/10 is the eligibility requirement. Eligibility and other criteria for admissions to M. Tech. courses of the Institute will be reviewed and decided by the Senate from time to time.

Course Structure

An M.Tech program is of 4-semester duration, out of which 2 semester and class room course work followed by 2 semester with project work with dissertation. The total course package for M.Tech Degree program will typically consist of the following components.

a) Core Courses	≥ 24 Credits
b) Elective Courses	≥ 15 Credits
c) Dissertation	= 26 Credits
d) Mandatory courses	= 06 Credits (Seminars- 02, Comprehensive viva-voce-04)

The Departmental Board of Studies will discuss and finalize the exact credits offered for the program for the above components 'A' to 'D' in the range of 76-84, the semester-wise distribution of the courses and credits, as well as the syllabi of all M. Tech. Programs offered by the department from time to time and recommend the same to the Senate for consideration and approval.

In order to qualify for a post graduate degree of the Institute, a student is required to complete all the credits specified in the scheme of instruction for that program as approved by the Senate from time to time.

Admission to MSc, M Sc (Tech), MCA and MBA

Admissions are made on All India basis for all the programs, with reservations as per Govt. of India norms. The selection criterion for admission into

i. M.Sc., and M.Sc.(Tech) is based on NITW Entrance Test (NITWET)

- Candidates seeking admission into M.Sc. and M.Sc.(Tech) should have passed BA/B.Sc. or equivalent degree in the subject concerned from a recognized University/Institute with First Class and not less than 60% aggregate marks (of all the years) or equivalent CGPA of 6.5/10. In case of SC/ST candidates 55% aggregate marks (of all the years) or equivalent CGPA of 6.0/10 is the eligibility requirement.

ii. M.C.A. is based on NITs MCA Entrance Test (NIMCET) and

- Candidates seeking admission into M.C.A. should have passed three year degree or equivalent degree from a recognized University/Institute with First Class and not less than 60% aggregate marks (of all the years) or equivalent CGPA of 6.5/10. In case of SC/ST candidates 55% aggregate marks (of all the years) or equivalent CGPA of 6.0/10 is the eligibility requirement.

- Candidates seeking admission to M.C.A. should have studied Mathematics or related subjects in their 10+2 and in their degree.

iii. M.B.A. is based on CAT/ MAT score followed by group discussion and personal interview.

- Candidates seeking admission to M.B.A. should have completed their B. Tech. in any branch of Engineering from a recognized University/Institute with First Class and not less than 60% aggregate marks (of all the years) or equivalent CGPA of 6.5/10. In case of SC/ST candidates 55% aggregate marks (of all the years) or equivalent CGPA of 6.0/10 is the eligibility requirement.

Admission to Doctor of Philosophy : Ph.D.

The Institute provides facilities for research leading to the degree of Doctor of Philosophy (Ph.D.).

Student Categories: There are seven types of student categories in the Ph.D. Degree Program, five in Full Time and two in Part Time.

Full Time:

a) Full-Time student on Institute Fellowship.

b) Full-Time Government/Semi-Government Fellowship awardees / QIP / FIP (UGC) / CSIR / UGC / DOE / DST / DBT / NBHM etc.

c) Full-Time project fellows/JRF/SRF appointed in R&D projects being carried out in NITW.

d) Full-Time Sponsored student from Industry/R&D organizations.

e) Indian Council for Cultural Relations (ICCR) fellowship awardees (Foreign students).

Part Time:

f) Permanent faculty and other permanent staff of NIT, Warangal

g) External scholars from National Research Laboratories and PSUs having MOU with NIT Warangal / R & D Organizations (approved by the Senate) having necessary and required research facilities.

NOTE:

1. A student of category (a) will receive the institute scholarship for a duration of three years, which may be extendable by one more year, based on the recommendations of Doctoral Scrutiny Committee
2. Student of Category (d) shall be sponsored and financed by the sponsoring organization:
3. A part-time student of category (f) shall produce a sponsorship-cum-clearance certificate from the Director, NITW.
4. A part-time student of category (g) shall produce a no objection certificate from the present employer and also acceptance from a possible supervisor along with biodata from the organization.
5. Change of status from one category to another category or from full-time to part time and vice versa, will be subjected to approval of the senate based on recommendations of DSC and DAC-PG & R.
6. No student can receive scholarship/fellowship from more than one source, either Government or Private.

ELIGIBILITY:

- The prescribed minimum qualification for admission into full time Ph.D. program is M.Tech/ME/M.Phil or equivalent degree, or M.Sc./ M.Sc.(Tech) / MBA / MA or equivalent degree. Admission to a Ph.D. program shall be open to candidates who passed the prescribed qualifying examination in first class with a Cumulative Grade Point Average (CGPA) of at least 6.5/10 (6.0/10 in the case of SC/ST candidates), or not less than 60% aggregate marks (55% marks in the case of SC / ST candidates).

- As per AICTE / UGC norms, students of category (a) must have passed GATE / UGC / CSIR exam / DAE-JEST. In case of students with M.Sc./M.Sc(Tech)/MBA/MA qualification, GATE / UGC - CSIR NET qualification is necessary.
- In case of students of category (d), (e), (f) and (g), GATE / UGCCSIR NET, qualification is relaxed. However, they will be selected through an institute entrance test and/or an interview, as per the discretion of the department.
- Written test is exempted to a permanent faculty staff member who wish to register for Ph.D. in the department where he/she is working. If the permanent faculty / staff member wishes to work for his Ph.D. in some other department, then the written test and/ or interview are necessary.
- Admission under the category (g) is open to:
- JRFs / SRFs in CSIR / DST / Defense laboratories / Government R&D Organizations

  a) Scientists / Engineers with ME / M.Tech. working in National Research Laboratories and PSUs and having MOU with NIT Warangal / R and D Organizations, who have put-in at least five years of experience and having at least two research publications in journals of repute.

  b) Scientists / Engineers with B.Tech. working in Research labs / PSU having MOU with NIT Warangal / R and D organizations with research facilities who have put in at least 10 years of experience and having at least four research publications in journals of repute. See Appendix- V for more information. The selection of candidates under this category is based on interview.

Residential Requirement

- Unless there is an explicit permission from the Chairman, Senate to any candidate to stay outside the campus, all candidates admitted to the Ph.D. program will be required to stay in the institute till they complete all assigned work and submit thesis.
- In the case of part-time external candidates from organizations having R&D facilities, the residential requirement may be reduced to at least one semester if he is under self study, or at least two semesters out of which one semester at a stretch, if he/she is registering for the course work.
- In case of part-time external candidates with at least 10 years of research experience in R&D Organizations, with the special permission of the DSC and approval of the senate, the residential requirement may be waived completely. Nevertheless, it is mandatory for such candidates also to complete the course work for the prescribed number of credits on self-study mode, following all steps like assignments, examinations etc., as prescribed for any regular course at NIT, Warangal. However at least one seminar per semester before DSC is mandatory to review his/her progress.

2.8 Students

Number of candidates admitted into First year B.Tech. during 2012-2013.

Sl.No.	Branch	Boys		Girls		Total	
		Indians	Foreign	Indians	Foreign	Indians	Foreign
1	Civil Engineering	84	44	8	12	92	56
2	Electrical & Electronics Engineering	77	18	15	6	92	24
3	Mechanical Engineering	94	16	0	0	94	16
4	Electronics & Communication Engineering	90	13	18	3	108	16
5	Metallurgical and Materials Engineering	55	1	8	0	61	1
6	Chemical Engineering	72	11	20	4	92	15
7	Computer Science & Engineering	98	23	10	7	108	30
8	Bio-Technology	69	0	19	1	88	1
	Total	639	126	98	33	735	159

* *Students admitted under DASA scheme*

Number of candidates admitted into First year PG courses during 2012-13 : ***742***

Number of candidates admitted into Ph.D. courses during 2012-13 : ***54***

2.9 Examinations and Evaluation

B Tech EXAMINATION and EVALUATION PROCEDURE:

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

Letter Grade	EX	A	B	C	D	P	F
Grade Point	10	9	8	7	6	5	0

The norms for the award of the letter grade are as follows:

- No student can be awarded P or better grade without securing at least 30% marks in a course.
- It is also mandatory that the student should secure at least 30% marks in the End Semester examination in the subject for award of P grade or better Grade.
- The Grading shall be relative grading system.
- The class average mark (after excluding the marks obtained by students with F grade) should be in mid-range of C grade and other grade (EX, A, B, D and P) ranges are to be fixed appropriately, so that, the distribution of number of students in the pass grades is a "near-normal bell-curve".
- DAC (UG) is authorized to modify the grade ranges for various grades, if it is felt necessary. However, all such modifications are to be recorded and placed before Senate for approval.

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

I: for "Incomplete assessment", when the student misses the End-Semester examination on Medical grounds (see rule 12.4).
R: for "Insufficient attendance" in the course (see rule 7.2).
W: for "Temporary withdrawal "from the Institute (see rule 13).
X: for "Debarred" on grounds of indiscipline/malpractices in examinations (see rule 14).

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

$$SGPA = \frac{\sum C_i GP_i}{\sum C_i}$$

Where C_i=Credit for the course
GP_i=the grade point obtained for the course
n=Number of subjects registered in the Semester.

Starting from I year II Semester a Cumulative Grade Point Average (CGPA) will be computed for every student at the end of every semester. The CGPA would give the Cumulative performance of the student from the first semester up to the end of the semester to which it refers and calculated as follows.

$$CGPA = \frac{\sum S_i C_i}{\sum C_i}$$

Where n= the total number of Semesters under Consideration
C_i = the number of Credits Registered during a Particular Semester
S_i = SGPA of the Semester.

The CGPA, SGPA and the grades obtained in all the subjects in a semester will be communicated to every student at the end of every semester excepting IV year II semester. In its place a consolidated grade sheet (with 190 credits) is issued. This consolidated grade sheet supersedes all the earlier grade sheets.

Both SGPA and CGPA will be rounded off to the second place of decimal and recorded as such. Whenever these grade point averages are to be used for the purpose of determining the inter se merit ranking of a group of students. Only the rounded off values will be used.

Transitional Grades:

(a) **Grade I:**
When a student gets I Grade for any subject(s) during a semester, the SGPA of that semester and the CGPA at the end of that semester will be tentatively calculated ignoring this (these) subjects for the semester and CGPA at the end of the semester will be recalculated after taking into account the new grades.

(b) **About grades R, W and X:**
When a student gets any of these transitional grades in any of subject(s) during a semester, the SGPA of that semester and the CGPA at the end of that semester will be tentatively calculated by taking 'zero point' for these subject(s). After these transitional grades have been converted to appropriate grades, the SGPA for the semester and CGPA at the end of the semester will be recalculated after taking into account the new grades.

(c) **About F Grade:**
When a student gets the 'F' grade in any subject during a semester, the SGPA and the CGPA from that semester onwards will be tentatively calculated, taking only 'zero point' for each such 'F' grade. After the 'F' grade has been substituted by better grades during a subsequent semester, the SGPA and CGPA of all the semesters starting from the earliest semester in which the 'F' grade has been updated will be recomputed and recorded to take this change of grade into account.

M Tech, M Sc and M Sc (Tech) EXAMINATION and EVALUATION Procedure:

As a measure of student's performance, a 7-scale grading system using the following letter grades and corresponding grade points per credit shall be followed. Grading will be done on absolute marks obtained

Letter Grade	EX	A	B	C	D	P	F
Grade Point	10	9	8	7	6	5	0

The norms for the award of the letter grade are as follows:

Grade	EX	A	B	C	D	P	F
% Marks	≥90	80-89	70-79	60-69	50-59	40-49	<40

- No student can pass without securing at least 40% marks in a course.

A. In case of bunching, the DAC - PG and R may review the reasons for bunching and modify the ranges, marginally. In all such cases, the modified ranges and the reason should be presented to the Senate for its approval.
B. In addition, there shall be four transitional grading symbols, which can be used by the examiners to indicate the special position of a student in the subject.

I: for "Incomplete assessment", when the student misses the End-Semester examination on Medical grounds (see rule 12.4).
R: for "Insufficient attendance" in the course (see rule 7.2).
W: for "Temporary withdrawal "from the Institute (see rule 13).
X: for "Debarred" on grounds of indiscipline/malpractices in examinations (see rule 14).

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

$$SGPA=\sum \frac{C_iGP_i}{\sum C_i}$$

Where C_i=Credit for the course
GP_i=the grade point obtained for the course
n=Number of subjects registered in the Semester.

Starting from I year II Semester a Cumulative Grade Point Average (CGPA) will be computed for every student at the end of every semester. The CGPA would give the Cumulative performance of the student from the first semester up to the end of the semester to which it refers and calculated as follows.

$$CGPA= \frac{\sum S_iC_i}{\sum C_i}$$

Where n= the total number of Semesters under Consideration
C_i = the number of Credits Registered during a Particular Semester
S_i = SGPA of the Semester.

The CGPA, SGPA and the grades obtained in all the subjects in a semester will be communicated to every student at the end of every semester.

Both SGPA and CGPA will be rounded off to the second place of decimal and recorded as such. Whenever these grade point averages are to be used for the purpose of determining the inter se merit ranking of a group of students. Only the rounded off values will be used.

Transitional Grades:

A. **Grade I:**
When a student gets I Grade for any subject(s) during a semester, the SGPA of that semester and the CGPA at the end of that semester will be tentatively calculated ignoring this (these) subjects. After these transitional grades have been convered to appropriate grades, the CGPA at the end of the semester will be recalculated after taking into account the new grades.

B. **About F Grade:**
When a student gets the 'F' grade in any subject during a semester, the SGPA and the CGPA from that semester onwards will be tentatively calculated, taking only 'zero point' for each such 'F' grade. After the 'F' grade has been substituted by better grades during a subsequent semester, the SGPA and CGPA of all the semesters starting from the earliest semester in which the 'F' grade has been updated will be recomputed and recorded to take this change of grade into account.

C. **About grades R, W and X:**
When a student gets any of these transitional grades in any of subject(s) during a semester, the SGPA of that semester and the CGPA at the end of that semester will be tentatively calculated by taking 'zero point' for these subject(s). After these transitional grades have been converted to appropriate grades, the SGPA for the semester and CGPA at the end of the semester will be recalculated after taking into account the new grades.

2.10 Placement

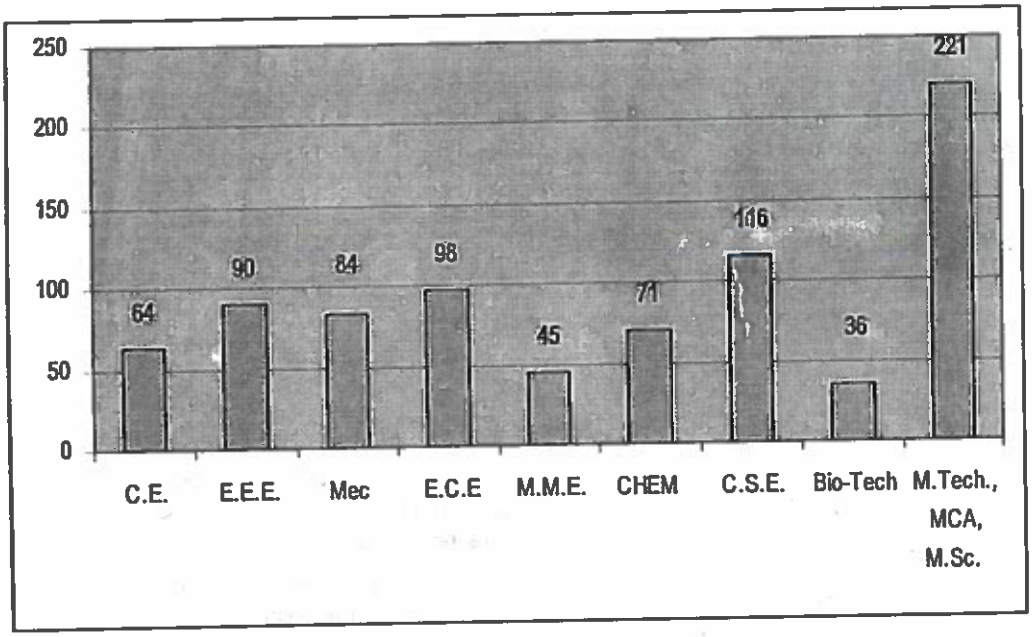
The placement activities at the institute:

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 academic year ***2012 - 2013***, 156 organizations have visited the campus and offered a total of 825 placements. Among this, 604 are B.Tech. students and 221 are PG students from MCA, M.Tech., M.Sc.and MBA.

Branch-wise Break up of Placement offers to Students during the Academic Year 2012-13

PLACEMENT STATISTICS			
Course	**Branch**	**No. of students Registered**	**No. of students Placed**
B.Tech	Civil Engineering	96	64
B.Tech	Electrical & Electronics Engineering	105	90
B.Tech	Mechanical Engineering	96	84
B.Tech	Electronics & Communicaiton Engineering	116	98
B.Tech	Metallurgical & Materials Engineering	56	45
B.Tech	Chemical Engineering	103	71
B.Tech	Computer Science & Engineering	132	116
B.Tech	Bio-Technology	59	36
	B.Tech Total:	**763**	**604**
M.Tech	M.Tech., MCA and M.Sc. (all)	489	221
	Grand Total UG + PG (all)	**1252**	**825**



a) Educational Tours:

During the academic year **2012 - 2013**, 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.	Place of visit	Student Branch(es)	No. of Students	Accompanying persons with designation	Date(s)
1.	Navabharat Ventures Ltd. & Sponge Iron Unit of NMDC at Paloncha	B.Tech., MME III/IV	40	Dr. C.Vanitha & Mr. V.R. Chary Asst. Professors	3rd to 4th Nov, 2012
2.	India Inotech at Agra & LG Electronics at Noida	B.Tech., CSE III/IV	50	Dr. P.V.Subba Reddy Asst. Professor	2nd to 11th Dec, 2012
3.	India Inotech at Agra & LG Electronics at Noida	B.Tech., ECE III/IV	80	Dr. S.Anuradha, Asst. Professor	2nd to 11th Dec, 2012
4.	Anjani Portland Cement Ltd. & Pulichinthala Project at Pulichinthala	B.Tech., Civil II/IV	80	Mr. M.Heeralal, Asso. Professor Mr. M.Shashi, Asst. Professor	5th to 6th Jan, 2013
5.	Vizag Steel Plant Visakhapatnam.	B.Tech., Mech. II/IV	58	V.Suresh Babu, Asso. Professor Dr. M.J.Davidson, Asst. Professor.	18th to 20th Jan, 2013
6.	ITC Ltd., at Bhadrachalam & Heavy Water Plant at Manuguru.	B.Tech. Ch.E II/IV	70	Mr. K.Anand Kishore & Mr. S.Srinath, Associate Professors	25th to 27th Jan,2013
7.	Vizag Steel Plant & Hindustan Shipyard Ltd., Visakhapatnam	B.Tech., Mech. III/IV	65	Prof. P.Bangaru Babu, Mr. N.B.Samba Murthy, Ad-hoc faculty	7th to 10th Mar, 2013
8.	Vizag Steel Plant & NTPC at Visakhapatnam	B.Tech., EED II/IV	68	Mr. Ch.Venkaiah, Asso. Professor Dr. B.N.Narsimha Raju Asst. Professor	7th to 11th Mar, 2013
9.	Nagarjuna Sagar Dam	B.Tech., Civil III/IV	40	Dr. DSNV. Amar Kumar Dr. Ajey Kumar Patel Asst. Professors	2nd Feb, 2013

Industrial Training:

During the summer vacation 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 2012-2013. Names of some of the major industries / organization in which students have undergone training are listed in the table.

Sl. No.	Place of visit	Student Branch(es)	No. of Students	Accompanying persons with designation	Date(s)
1.	GMR Pavement Research Lab, Hyderabad	B.Tech., Civil IV/IV	35	Dr. DSNV. Amar Kumar, Asst. Professor	6th October, 2012
2.	Symed Labs Jeedimetla	B.Tech., Bio-Tech III/IV	46	Dr. P.Sreenivasa Rao, Asst. Professor Dr. M.Bhanu Prakash, Ad-hoc Faculty	13th September, 2012

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.

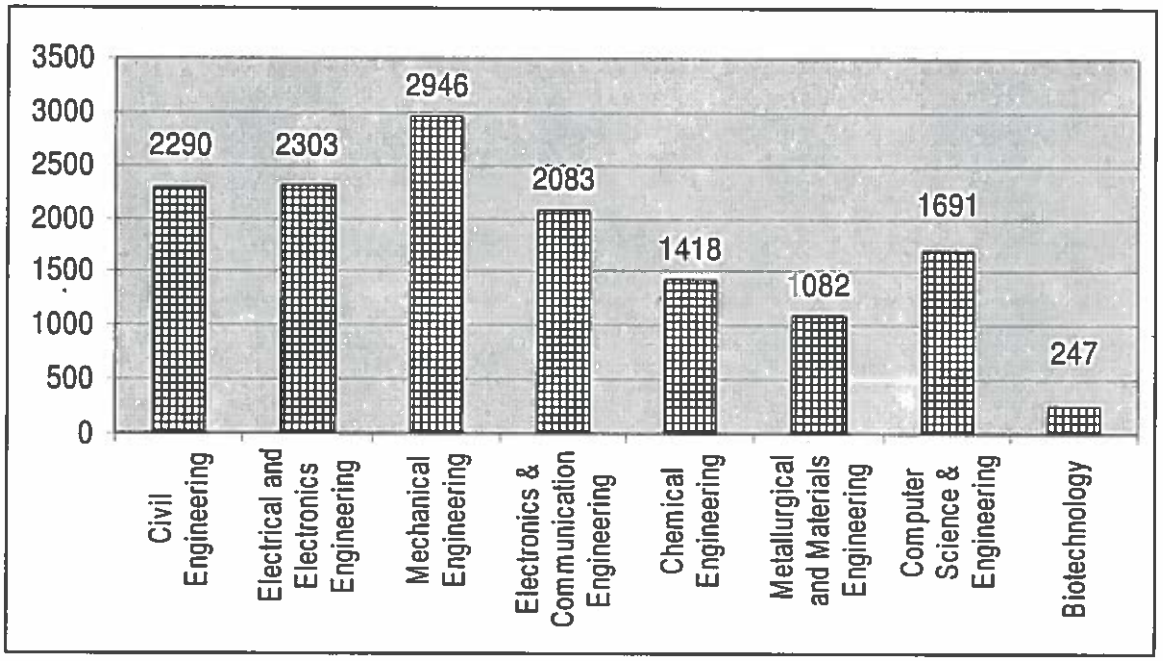
Activities of the department include

- 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.

DEGREES AWARDED TILL MARCH, 2013
From Inception

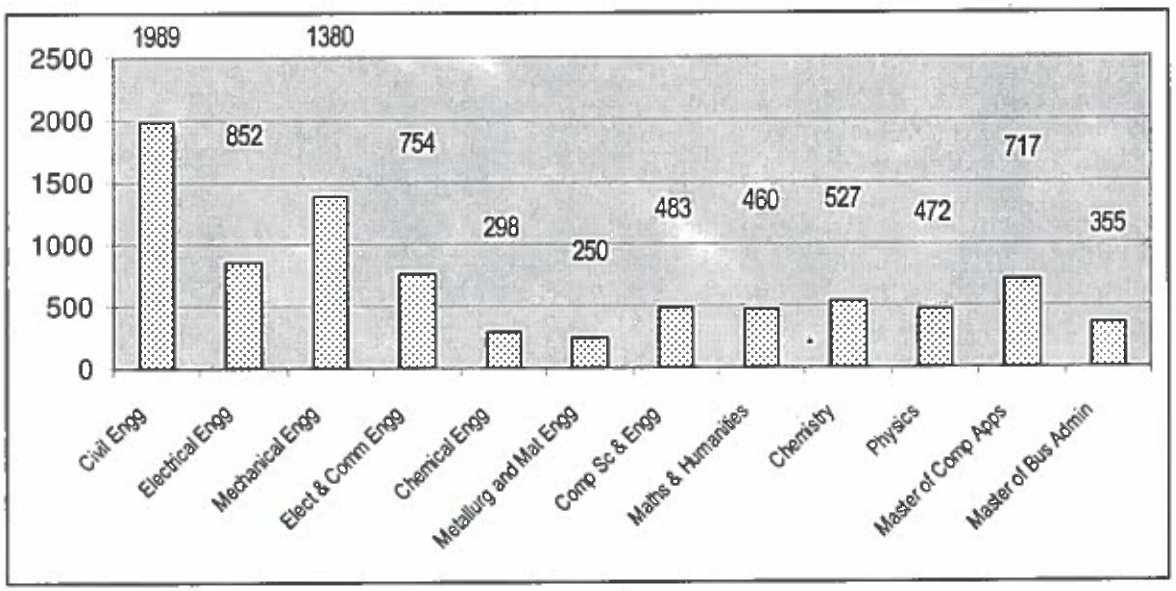
A) B.Tech.

Civil Engineering	2290
Electrical and Electronics Engineering	2303
Mechanical Engineering	2946
Electronics & Communication Engineering	2083
Metallurgical and Materials Engineering	1082
Chemical Engineering	1418
Computer Science & Engineering	1691
Biotechnology	247
TOTAL	14060



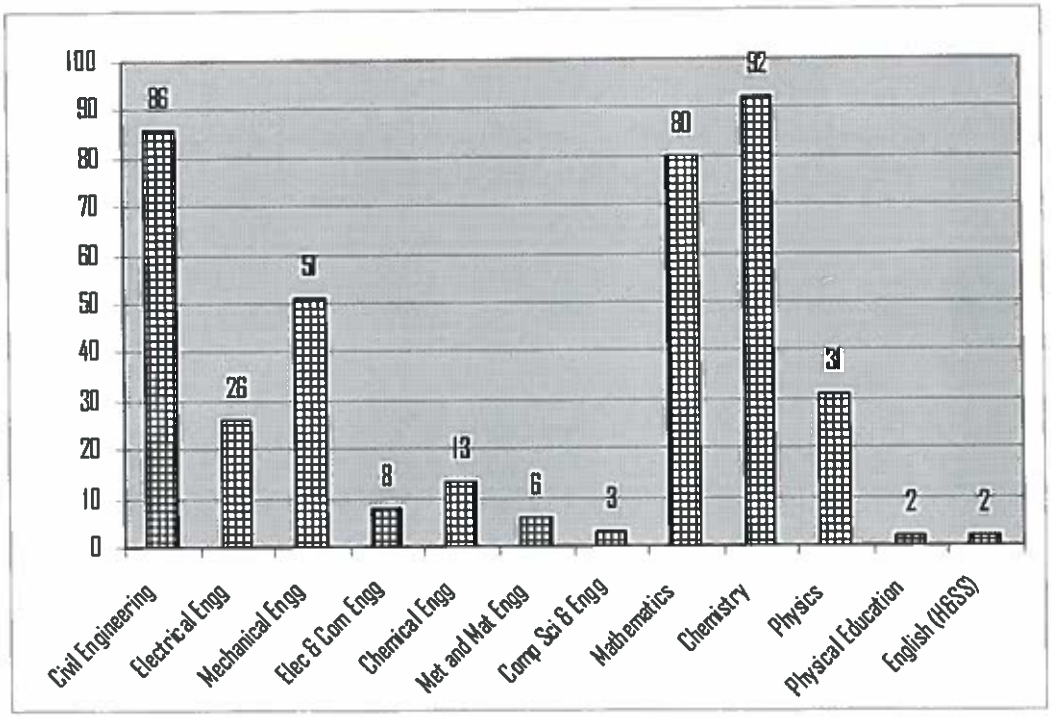
B) M.Tech. / M.Sc. / M.Sc. (Tech) / M.C.A. / M.B.A.

Civil Engineering	1989
Electrical Engineering	852
Mechanical Engineering	1380
Electronics & Communication Engineering	754
Metallurgical and Materials Engineering	250
Chemical Engineering	298
Computer Science & Engineering	483
Mathematics & Humanities	460
Chemistry	527
Physics	472
Master of Computer Application	717
Master of Business Administration	355
TOTAL	8537



C) PhD (Doctor of Philosophy)

Civil Engineering	86
Electrical Engineering	26
Mechanical Engineering	51
Electronics & Communication Engineering	08
Chemical Engineering	13
Metallurgical and Materials Engineering	06
Computer Science & Engineering	03
Mathematics	80
Chemistry	92
Physics	31
Physical Education	02
English (H&SS)	02
Total	**399**





एन आई टी वरंगल और इनफ़ोसिस लिमिटेड के बीच हुए समझौता

MoU between NITW and Infosys Limited



प्रैरी व्यू **A&M** यूनिवर्सिटी टेक्सास **USA** के प्रो **D R** वामन एन आई टी वारंगल में पधारे थे

Prof. D.R. Vaman, Prairie View A&M University, Texas, USA Visits NIT Warangal

2.12 R & D Infrastructure

Research

The Institute envisages interdisciplinary and multidisciplinary research to innovate new design/products/processes and technologies. The Institute aims at strengthening 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 lays 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.

A record number of research projects were sponsored by various public and corporate funding agencies. Many young faculty have got 'Fast Track' projects with an average budget of about Rs. 22.00 lakhs

Research Seed Money (RSM) : To encourage sustained research culture among the faculty, the Institute has disbursed an amount of Rs. 200 lakhs in the name and style of Research Seed Money. Thanks for the generous support from the MHRD and the BoG of the NIT Warangal. As many as 80 faculty were benefited by this grant which has encouraged the faculty to submit the huge projects tonatinal funding agencies.

Centres of Excellence

The Institute, on its Road Map, has the following research centres of excellence with expertise and state of art facilities funded by MHRD and sponsored research projects:

S. No.	Name of the Centre	Name of the Coordinator	Departments Engaged	Funds sanctioned (in Rs. Crores)
1	Centre for Urban Transport Studies (CUTS)	Prof. C. S. R. K. Prasad Dept. of Civil Engg.	Civil Engg.	5.30
2	Centre for Advanced Materials (CAM)	Prof. M. K. Mohan Dept. of Metallurgical & Materials Engg.	Met. & Mat. Engg., Mech. Engg., Physics, Chemistry	2.50
3	Centre for Automation and Instrumentation (CAI)	Dr. T. Kishore Kumar Dept. ECE	ECE, EEE, Mech. Engg., Physics, Chemistry	2.50
4	Centre for Sustainable and Alternate Energies (CSAE)	Prof. A.V. Narasimha Rao Dept. of Mechanical Engg.	Mech. Engg., Chem. Engg., EEE, Physics, Chemistry	2.85

The Dean, R&C is assigned to monitor the proress and assist the centres for their smooth functioning.

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

Objectives:

1. To promote industry-academic interaction, by inviting industries to set up their innovation labs at NITW
2. To encourage entrepreneurs to partner with NITW and develop innovative technologies and products
3. To sponsor innovation projects of the students of NIT Warangal
4. To facilitate 'on campus interaction' between the scientists, technologists and entrepreneurs from industry and faculty and students of NITW to undertake innovation projects of industrial relevance
5. To promote the technology Business Incubator programme at NITW

Industries, which started their activities in the centre:

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

Memoranda of Understanding between NIT Warangal and other organizations

1. With Tata Consultancy Services: The areas of collaboration 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 initiativeby NIT Warangal.
3. With Indian Institute of Technology,(IICT) Hyderabad : The areas of collaboration are joint research projects, joint Ph.D programmes in the fields of mutual interest and sharing of instrumental facilities and e-resources.
4. With International Advanced Research Centre for powder metallurgy and new materials (ARCI), Hyderabad : The areas of collaboration are joint research projects, joint Ph.D programmes in the fields of mutual interest and sharing of instrumental facilities and e-resources..
5. With Non Ferrous Technology Development Centre (NFTDC), Hyderabad: The areas of collaboration are joint research projects, joint Ph.D programmes in the fields of mutual interest and sharing of instrumental facilities and e-resources. A joint M.Tech programme entitled 'Materials and Systems Engineering Design'has been finalised and is offered with effect from the academic year 2013-14.

HERITAGE PROJECT (an Erasmus Mundus Indo-Europe Academic Excellence Project)

The NIT Warangal has entered into an MoU with the Ecole Centrale de Nantes, France through an Erasmus Mundus (Indo – Europe Academic Exchange Programme) Scheme, called "HERITAGE" Programme. 8 Indian Higher Education Institutes (IHEIs) and 12 European Higher Education Institutes (EHEIs) are the major partners of this Programme. NIT Warangal is one of the 8 IHEIs. The Heritage Programme is mainly an academic exchange programme with mobilities, from IHEIs to EHEIs. Undergraduate, postgraduate, post doctoral students and faculty can spend 3 months to 3 years in any of the chosen EHEIs

List of Mobilities through HERITAGE

S.No.	Name	Last Name	Type of mobility	Host Institution
Faculty				
1	Joseph Davidson	Maharajan	Staff	Warsaw University of Technology, Poland
2	Chandrasekhar Rao	Matli	Staff	Warsaw University of Technology, Poland
3	D. Gunneswara Rao	Tippabhotla	Staff	Instituto Superior Tecnico, Poland
4	Sachin	Jain	Staff	Universidad de Sevilla, Poland
5	Shirish	Sonawane	Staff	Instituto Superior Tecnico, Poland
6	Vasu	Velagapudi	Staff	Politecnico di MilaNO, Poland
7	Ratish Kumar	Pancharathi	Staff	Instituto Superior Tecnico, Poland
8	Kishore Kumar	Tappeta	Staff	Tallinna Tehnikaulikool, Poland
9	Shyam Prasad	Ponugumati	Staff	Instituto Superior Tecnico, Poland
Post-Doc				
10	Vinay Kumar	Thippiripati	PostDoc	Czech Technical University, Czechoslovakia
PhD				
11	Vikas Laxman	Gingine	PhD	Instituto Superior Tecnico
12	Deep	Seth	PhD	Ecole Centrale de Nantes
13	Ramsha	Karampuri	PhD	Universidad de Sevilla
14	Nikesh	Yadav	PhD	Warsaw University of Technology
15	Prashanth	Todmal	PhD	Politecnico di MilaNO
16	Rakesh Chandra	Dongari	PhD	Politecnico di MilaNO
17	Rohit	Sharma	PhD	Politecnico di MilaNO
Masters				
18	Virichi Naga Sarma	KuchiBhotla	Masters	Cardiff Metropolitan University
19	Raviteja	Talluri	Masters	Politecnico di MilaNO
20	Kavitha	Thumu	Masters	Politecnico di MilaNO
21	Sagar	Patil	Masters	Politecnico di MilaNO
22	Madahu	Dasari	Masters	Ecole Centrale de Nantes
23	Ketan	Bacchuwar	Masters	Ecole Centrale de Nantes
24	Priyavathi	Dhandapani	Masters	Cardiff Metropolitan University
25	Bharath	Kasabosula	Masters	Tallinna Tehnikaulikool
Undergraduate				
26	Abhishek Kumar	Kumar	Undergraduate	Warsaw University of TechNOlogy
27	Ayush kumar	Jain	Undergraduate	Czech Technical University
28	Aman Deep	Tripathi	Undergraduate	Politecnico di ToriNO
29	Shikha	Bhandari	Undergraduate	Warsaw University of Technology
30	Yash	Rawat	Undergraduate	Universidad de Sevilla
31	Aditi	Agarwal	Undergraduate	Tallinna Tehnikaulikool

The Heritage Organising Committee

The Committee consists of Prof. T. Srinivasa Rao, Director (Chairman) ; Prof. A. Ramachandraiah, Dean R&C (Coordinator) ; Prof. B.V. Appa Rao, Prof Incharge MoUs (Member) ; Prof. ARC Reddy, Registrar I/c (Member) ; Prof. C. Gururaja Rao (Member) and Dr. P. Ratish Kumar, Associate Dean, Admissions (Member).

IPR Cell

An Intellectual Property 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 filed on the name of NITW

Though patents were filed by a few individual faculty members earlier, for the first time a patent has been 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.

Workshop Organised

A one day workshop was organized on the theme, 'Innovation and Entrepreneurship' for the benefit of the faculty members and students of NIT Warangal. Sri Changavalli Venkat, a well known mentor of several industries was the key resource person in this workshop.

*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. 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 2012-13, the funds received towards research projects are shown given below:

DST, CSIR, DIT, DRDO and other Agencies	:	Rs. 14.22 Crores
No. of research papers published during 2012-13	:	278 Papers
Finance Received: (GOI) Plan & Non-Plan	:	Rs. 3700 lakhs and Rs. 4700 lakhs

Centre for Automation and Instrumentation

For the purpose of providing the state of the art research and consultancy sophistication, a central facility has been instituted with several major instruments and equipment. A plan grant for the tune of Rs. 1.78 lakhs was sanctioned to the Centre to procure state of art research instruments such as ESR Spectrometer, ICP - OES Spectro photometer and fast computing hardware besides other basic facilities.

Indo US Academic and Research Colloboration

A high level delegation headed by the Director Prof. T. Srinivasa Rao and composition of Prof. A. Ramachandraiah, Dean (R&C), Prof. N.S. Murthy, Dean (Planning & Development) and Coordinator TEQIP II, Prof. T. Ramesh, Dean (Academic) and Prof. C.S.R.K. Prasad, Academic Nodal Officer, TEQIP II, is permitted by the BoG to the USA during April 2013 to come out academic exchange programmes and strive for R&D Colloboration with several universities in USA.

2.13 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.

The following activities were conducted during the academic year, 2012-2013:

1. WORKSHOPS, SEMINARS, TRAINING SESSIONS, etc., HELD

A. For Faculty

Date	Title of the Programme	Department	Co-ordinator	Number
13.04.12 to 14.04.12	Two days Workshop on "Emerging trends in water supply sector"	Civil Engineering Department	Prof K V Jaya Kumar Dr E Venkat Ratnam	17
15.05.12 to 18.05.12	Three Days Workshop on "Precision Manufacturing and Measurements: Current Trends and Challenges"	Mechanical Engineering Department	Dr N Selvaraj Dr N Venkaiah Dr M J Davudson	33
21.05.12 to 25.05.12	5-day Continuing Education Program on "Advanced Mapping Techniques for Planning and Management of Resources "	Civil Engineering Department	Dr K Venkata Reddy Dr Deva Pratap	28
13.06.12 to 15.06.13	Three days workshop on "Modeling Analysis and control of Mechatronics systems(MACMS)"	Mechanical Engineering Department	Dr N Venkaiah Mr J Ravi Kumar	27
17.07.12 to 19.07.12	Workshop on "Teaching and Learning for Excellence"	Chemistry Department	Prof B V Appa Rao	40
03.08.12 to 07.08.13	Five days continuing Education programme on "Trends and Advances in Heat Treatments of Steels"	Metallurgical & Materials Engineering	Prof T Srinivasa Rao Director Prof G V S Nageshwara Rao	29
31.08.12 to 01.09.12	Two days programme on "NPTEL NMEICT (Awareness Workshop)	Computer Science and Engineering Department	Prof DVLN Somayajulu	
19.01.13, 23.01.13, 30.01.13,06.02.13,07.03.2013,2501.2013,26.01.2013,03.03.2013	four days Expert Lectures by Dr P Radha Krishna, Principal Research Analyst, InfosysTechnologies Limited, Hyd. And Prof P S Advadhani AUCOE, Visakjapatnam	Computer Science and Engineering Department	Prof DVLN Somayajulu	
23.01.13 to 23.01.13	Guest Lecture on "Intelligent Transportation System Applications for Indian Traffic Conditions"by Dr G Rajesh Krishnan, CEO of ITS Planners and Engineers, Hyderabad	Civil Engineering Department	C S R K Prasad	
23.01.13 to 27.01.13	Five days Continuing Education Program on "Rapid Prototyping"	Mechanical Engineering Department	Dr Y Ravi Kumar	36
27.01.12 to 29.01.12	National Conference on "New Vistas in Computational Fluid Dynamics in Engineering."	Mathematics Department	Prof Y.N.Reddy	51
11.02.13 to 15.02.13	Five days continuing Education Program on " Operation of Restructored Power Systems"	Electrical Engineering Department	Dr. M Sailaja Kumari Prof. Sydulu	47
23.02.13 to 24.02.13	Two day Workshop on " Sono Process Engineering and Reactors for Nano Materials"	Chemical Engineering Dept	Dr.Shirish Sonawane	
13.03.13 to 13.03.13	organized a "COMSOL workshop and Hands-on training program" for the benefit of PG students, Research Scholars and faculty members.	Chemical Engineering Dept	Sri A Sarat Babu	
	To deliver the expert Lectures by Prof K Babu Rao, Director Navayuga Infotech Pvt. Ltd., Hyderabad, Dr P Radha Krishna, Principal Research Analyst, Infosys Technologies Limited, Hyd.	Computer Science and Engineering Department	Prof DVLN Somayajulu	

15.03.13 to 16.03.13	National Conference on "Sustainable & Technologies (SCMAT)	Civil Engineering Department	Dr G Rajesh Kumar	42
16.03.13 to 16.03.13	Expert Leatures on "Research, Innovation and Entrepreneurship" by Sri Venkat Changavalli, Management Consultant & Leadership Mentor, Hyd	Chemistry Department	Prof B V Appa Rao	
25.03.13 to 29.03.13	Five day Contiune education Program on "Embedded System Design based on ARM and MicroBlaze Platforms"	Electronics & Communication Engg. Dept.	Prof N S Murhty Dr B.Lakshmi	

B. For Students / Scholars

10.10.12 to 11.10.12	Two day Workshop on "Communication Skills for Postgraduate Students academically Weak in English"	Humanities	Prof Kesava Rao	
20/10/12 & 10/11/12	Experts from DMRL to deliver expert lecture on advanced topics useful for PG students and PhD scholars and faculty under industry-Institute-Interaction (I-I-I)by Dr V Satya Prasad and DR G Madhusudhan Reddy	Metallurgical & Materials Engineering	Prof G V S Nageshwara Rao	
22.01.13 to 24.01.13	"High performance FPGA Tools" for faculty and PG students by M/s Coreel technologies,	Electronics & Communication Engg. Dept.	Dr B Lakshmi	
12.02.13 to 12.02.13	Guest Lecture by Mr PRK Murthy, Chief - Transport and Communications, MMRDA to faculty and M.Tech (TE)students	Civil Engineering Department	Prof C S R K Prasad	
26.02.13 to 26.02.13	expert lecture on " Advances in Navigation" for faculty and PhD students by Mr G Satheesh Reddy, Associate Director of RCI DRDO Hyderabad	Electronics & Communication Engg. Dept.	V Venkata Mani	
25.03.13 to 26.03.13	Lecture on "Green Engineering - A borderless Science" for Chemical Engineering students and Bio based Students	Chemical Engineering Dept	Srinu Naik S	

C. For Technical & Supporting Staff

03.12.12 to 06.12.12	"Skill Development Training to Mechanics"	Electronics & Communication Engg. Dept.	Dr B Lakshmi
22.02.13 to 24.02.2013	Three day training program on "High performance FPGA Tools" for faculty and PG students by M/s Coreel technologies, Bangalore	Electronics & Communication Engg. Dept.	Dr B Lakshmi
		Mechanical Engineering Department	Dr T Sadasiva Rao
18.06.12 to 29.06.12	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	Mechanical Engineering Department	Dr T Sadasiva Rao
02.07.12 to 06.07.12	Five day training programme on "IT Awareness" to Technical helpers	Computer Center	DVSS Siva Sharma
	Training program for Mechanics	Electrical Engineering Department	Prof N Subrahmanyam
5 week ends	Attended training on VMWARE Software at Kernel technologies, Ameerpet, Hyd	Computer Science and Engineering Department	Sri D Govinda Rao Computer Operator

For Public or Community Service

09.03.13	One day Seminar on "Role of Women in Technical Education: A Leadership Perspective"	School of Management	Dr K Padma

2. NATIONAL AND INTERNATIONAL VISITS SUPPORATED:

Name of the Staff/ Student	Title of the Program	Dates	Place
A. National Visits			
Dr Venkaiah Chowdary	Attend Seminar on Intelligent Transport Systems - Role of Standards at BIS Auditorium	15.02.12	New Delhi
Dr Gopi Krishna, Dr Arun C O	Attend Advanced Course on Uncertainty Handling in Structural Engineering	30.01.13 to 01.02.13	CSIR-SERC, Chennai
Prof C S R K Prasad	Expert Lecture on Traffic Management and Control i.e., B-Track project in BangaloreTurn Around Strategy for APSRTC	19.12.12 to 01.02.13	Bangalore
DR P Hari Krishna	Attended Standard Courses "Computational Geo technology"	16.09.12 to 22.09.12	IIT Bombay
Sr. faculty and Administrative officers	Two day Management Training Programme		Indian School of Business (ISB, HYD.)
Prof Deva Pratap Dr E Venkataratnam Dr P Harikrishna Dr T D Gunneswara Rao Dr K Venkata Reddy Dr K Venkaiah Chowdary Dr P Hariprasad Reddy Dr M Shashi	Attended 4th International Exhibition and Conference on Scientific Laboratory, Bio-tech and Analytical Technology and Equipments was organized by SD (India) Corporation at Hitex Exhibition Centre, Hyderabad	03.11.12 to 04.11.12	SD (India) Corporation at Hitex Exhibition Centre, Hyderabad
DR P Hari Krishna	To attend one day seminar on Application of Plaxism Programs for Geotechnical Design at Hyderabad	20.02.13	Hyderabad
Prof P Hari Prasad Reddy	4th International Exhibition at Hyd	15.01.13	Hyderabad
Prof. Deva Pratap Dr .K Venkata Reddy Dr M Shashi	To attend 4th India Intergraph user conference organized by intergraph SG & I India Pvt. Ltd., Hyderabad	21.01.13	Hyderabad
Dr. S Srinivas Rao	Attended a seminar on "Computational Intelligence Application to renewable Energy"	09.07.12 to 13.07.12	IIT Madras
Prof D M Vinod Kumar	Attended National Workshop on "Side Area Monitoring and Control of Power Systems were using Synchro Phasor Technology"	12.04.12 to 15.04.12	IIT Kanpur
Dr. M Sailaja Kumari	Attended 5 day workshop on "Power Markets: Economics and Management"	29.10.12 to 02.11.12	IIT Kanpur
Dr D M Vinod Kumar	Attended National Workshop on "Renewable Energy Sourses and Control"	19.12.12 to 22.12.12	NIT Surathkal
Dr G Naga Srinivasulu & Dr K Kiran Kumar	To Attend Renewable Energy world India exhibition and Conference 2013	07.05.12	Mumbai
A.Veerash Babu	Attended Five days proficiency improvement programme on "Automotive Testing and Certification"	06.08.12 to 10.08.12	ARAI Pune
Sri G Venkateswara Rao Sri A Veeresh Babu Dr Y Ravi Kumar Dr N Venkaiah Dr V Vasu Sri P Subhash Chandra Bose Dr K Kiran Kumar	Attended 4th International Exhibition and Conference on Scientific Laboratory, Bio-tech and Analytical Technology and Equipments was organized by SD (India) Corporation at Hitex Exhibition Centre, Hyderabad	03.11.12 to 04.11.12	Hyderabad

Dr P Bangaru Babu Dr R Narasimha Rao Dr K Kiran Kumar Dr K Srikanth Dr V Hari Kumar	Attended Three Day short course on "Finite Element Method" organized by IIT, Hyderabad	19.12.12 to 21.12.12	IIT Hyderabad
Sri G Venkateswara Rao Dr N Selvaraj Dr B Siva Prasad Reddy Dr N Venkaiah	Attended training on Precision Measurments and Metrology at Central Manufacturing Technology Institute (CMTI), Bangalore.	26.11.12 to 30.11.12	CMTI, Bangalore
Prof L Krishnanand Dr Y Ravi Kumar Dr V Vasu Dr V Hari Kumar	Attended training programme on Additive Manufacturing at CMTI, Bangalore.	07.01.13 to 11.01.13	CMTI, Bangalore
Dr Bangaru Babu P	To attend "Accountability and responsiveness in Scientific Organization" organised by DST at Academy of Human Excellence, Borada	07.01.13 to 11.01.13	
Dr T Kishore Kumar	Visited LRDE, Banglore to give presentation towards CARS Project in the area of UWB Rader Signal	01.06.12 to 02.06.12	
Prof NVSN Sarma Dr D Vakula	To give presentation and discuss with the scientist to finalize R & D Project at DLRD, Hyd	01.08.12	Hyderabad
Dr B Lakshmi Sri P Muralidhar	Visited to Anurag, Hyd in connection with a project at DRDO Hyd	03.09.12 to 03.09.12	DRDO Hyderabad
Prof. NVSN Sarma	To visit DLRL, Hyderabad discussion	05.06.12	Hyderabad
Dr D Vakula	Submitted final project proposal at DLRD, Hyderabad	11.08.12	DLRD Hyderabad
Dr N Bheema Rao	Visited to DRDL Hyd to Interact with Sri GAP Murthy Scientist 'G' to discuss about project proposal.	18.07.12	Hyderabad
Sri Ravi Kumar Jatoth	To attend short term course on "Analysis and Design of Classical Control System" (ADOCS-12) at IIT, Bombay	11.06.12 to 15.06.12	IIT Bombay
Dr L Anjanayalu	Attended two day Co-ordinator workshop on "Aakash for Education "NMEICT, at IIT Bombay	04.11.12 to 06.11.12	IIT Bombay
Prof N S Murthy Prof T Ramesh	Attended two day workshop being organized by "National Board of Accreditation (NBA).	21.12.12 to 22.12.12	New Delhi
Dr Venu Vinod	Attended SERC School-cum-Symposium on "Molecular Simulations: Applications in Engineering Sciences" at IIT Kanpur	26.11.12 to 01.12.12	IIT Kanpur
Sri.Rashmi Ranjan Rout	Attended Two day Workshop on Teacher Leadership	09.11.12 to 11.11.12	IIT, Chennai
Dr Kadambari K V	Attended Two day Workshop on Teacher Leadership	09.11.12 to 11.11.13	IIT, Chennai
Sri. Venkata Subba Reddy P	To attend National Workshop on Graph coloring (NEWGC 13)	25.01.13 to 27.01.13	IIT, Chennai
Dr D Dinakar	To attend on "Smart Materials and Systems" being organized by NIT, Trichy	11.06.12 to 15.06.12	NIT Trichy
Prof B V Appa Rao	To participate in Advantage Andhra Pradesh-2012 (IT/ITES Annual Summit of A.P) at Hyderabad	21.06.12 to 22.06.12	Hyderabad
Dr Raja Vishwanathan M	Attended Two day workshop on Teachers Leadership	09.11.12 to 11.11.12	IIT, Chennai
Dr Raja Kumar G	Attended Two day workshop on Teachers Leadership	09.11.12 to 11.11.12	IIT, Chennai
Sri V Sudhakar & Sri A Nagabushanam	Training Programme HEM Electrines		

Prof DVLN Somayajulu and Dr RBV Subramanyam	Attended Hands-on training on IBM Cognos Business Intelligence at IBM Bangalore from 10th to 13th Dec 2012		IBM Bangalore
Dr B Lakshmi	Attended National Leavel Workshop on "Modern Embedded Computers"	21.08.12 to 23.08.12	Bangalore
Dr B Lakshmi	Attended Synopsis Software Training	17.10.12 to 19.10.12	Bangalore
Prof N S Murthy & 9 Faculty Members	3rd National Conference on "Intellectual Properly Rights" at Hyderabad	23.01.13	Hyderabad
	Project Management workshop to the faculty conducted by Project Management Institute Pearl City Chapeter.		Hyderabad
G Ramesh	To Attend "Residential Management Development Program" on service tax	29.01.13 to 01.02.13	Port Blair Andaman Islands
Sri MD Afzal	Attended technical workshop on "Cash and Accounts Tax Deduction at source, pay/ fixation on Revision of Pay, fixation of pay on modified assured career progession and service rules" conducted by Institute of science socio economic research and action (ISERA)		New Delhi
Sri Mangilal	Attended technical workshop on "Cash and Accounts Tax Deduction at source, pay/ fixation on Revision of Pay, fixation of pay on modified assured career progession and service rules" conducted by Institute of science socio economic research and action (ISERA)		New Delhi
Sri Mangilal	Attended for Orientation course for Personal Assistance as organized by Parsam Institute of Statutory Rules	12.09.12 to 14.12.12	Bangalore

B. International Visits

Dr. Y Ravi Kumar	Attended one month R&D Training Rapid Prototyping Center(RPC)	16.06.12 to 15.07.12	Milwaukee School of Engineering Milwaukee, U.S.A"

C. International Visitors

Prof P Chandra Sekhar,	Prof P.Chandra Sekhar, Professor in Civil Engineering Department of California State University, Fullerton, USA expert lecture on "Reliability aspects in Civil Engineering"	01.08.12	California University, Fullerton, USA

3.0 THE STAFF

The Director: Prof. T. Srinivasa Rao

The Faculty

Department of Civil Engineering

S. No	Name	Designation	Highest Degree (Univ / Instt)	Year Joined (REC/NIT)	Areas of Research
1.	Dr. C.B. Kameswara Rao	Professor	Ph.D. (RECW/KU)	1992	Ductile Concrete, Cement Composite, Concrete Technology
2.	Dr. K V Jayakumar	Professor	PhD (IIT Kanpur)	1993	Hydrology & Water Resources Engineering, Urban Water Management
3	Dr. N V Umamahesh	Professor	PhD (KU/ RECW)	1987	Water Resources Systems, Soft computing applications
4	Dr. P. Anand Raj	Professor	PhD (IIT Kharagpur	1982	Decision Support Systems and Neuro fuzzy Applications
5	Dr. D. Rama Seshu	Professor	Ph.D.	1990	Structural Engineering – Concrete
6	Dr. G. Rajesh Kumar	Professor	Ph.D.	1990	High Strength, High performance Concrete
7	Dr. C.S.R.K. Prasad	Professor	Ph.D. (KU/REC)	1996	Transportation Engineering
8	Dr. Deva Pratap	Professor	Ph. D (KU/REC)	1992	Applications of geospatial technologies to geology
9	Dr. M. Chandrasekhar	Professor	PhD (KU/REC)	1996	Water Quality Management Material Balances in river basins Solid Waste Management
10	Sri Mohammad Ali	Associate Professor	M. Tech.	1974	Ground Improvement Methods
11	Sri V.N.Kameswara Rao	Associate Professor	M.Tech (KU/REC)	1982	Groundwater Hydrology
12	Sri M. Sudhakar	Associate Professor	M. Tech.	1993	Structural Engineering
13	Dr. E.Venkata Rathnam	Associate Professor	Ph.D. (NITW)	1996	Transients, Urban Water Management.
14	Dr. P. Hari Krishna	Associate Professor	Ph.D.	1997	Geotechnical Engg., Granular Piles
15	Dr. V. Ramana Murty	Associate Professor	Ph.D.	1997	Ground Improvement
16	Dr. P. Rathish Kumar	Associate Professor	Ph.D (India) Dr. Engg (Japan)	1997	Special Concretes, Rehabilitation of Structures, Structural Health Monitoring.
17	Dr. T.D. Gunneswara Rao	Associate Professor	Ph. D.	1997	Structural Engineering
18	Sri M. Heera Lal	Associate Professor	M. Tech. (KU/RECW)	1997	Recycled Aggregate in Rigid Pavement
19	Dr. K. Venkata Reddy	Assistant Professor	Ph. D	2007	Applications of geospatial technologies to water resources engineering and rural development
20	Dr. Venkaiah Chowdary	Assistant Professor	Ph.D. (IIT Madras)	2008	Pavement Material Characterization
21	Dr. S. Venkateswara Rao	Assistant Professor	Ph D	2008	Self Compacting Concrete and special concretes
22	Dr. P. Hariprasad Reddy	Assistant Professor	Ph. D. IISc, B'lore	2008	Geo-Environmental Engineering
23	Dr. D.S.N.V. Amar Kumar	Assistant Professor	Ph.D. (IIT Kharagpur)	2008	Pavement Materials
24	Dr. K.V.R. Ravi Shankar	Assistant Professor	Ph.D. (IIT Bombay)	2012	Traffic flow modeling and simulation, Intelligent Transportation Systems, Road Safety, Capacity analysis
25	Dr. D. Ravi Prasad	Assistant Professor	Ph.D., (NIT W)	2012	Structural dynamics
26	Dr. Ajey Kumar Patel	Assistant Professor	Ph.D. (IISc., B'lore)	2012	Environmental Hydraulics
27	Dr. M. Shashi	Assistant Professor	PhD (IIT Roorkee)	2012	Advanced Surveying, Photogrammetry
28	Dr. K. Gopi Krishna	Assistant Professor	Ph.D. (IIT Roorkee)	2012	Computational Mechanics, Computational Structural Dynamics, Wavelets, Finite element Analysis, Fragility Analysis of RC Structures etc.
29	Dr. Arun C. O.	Assistant Professor	PhD (IIT Madras)	2012	Computational Mechanics, Steel Structures, Structural Reliability, Stochastic Mechanics etc.

Department of Electrical Engineering

1	Dr. M Sydulu	Professor	PHD (NITW	1981	Power Systems
2	Dr. D M Vinod Kumar	Professor	PHD (IIT Kanpur)	1981	Power Systems
3	Dr. D V S S Siva Sarma	Professor	PHD (IITM)	1992	Power Systems
4	Dr. N Surahmanyam	Professor	PhD (NITW)	1981	Power Systems
5	Dr. Bhagwan K Murthy	Professor	PHD (IITM)	1999	Power Electronics and Drives
6	Dr.V T Somasekhar	Professor	PHD (IISC)	1993	Power Electronics and Drives
7	Dr. N Vishwanathan	Professor	PHD (IISC)	1993	Power Electronics and Drives
8	Dr. N V Srikanth	Associate Professor	PHD (NITW)	1992	Power Systems
9	Dr. S Srinivasa Rao	Associate Professor	PHD (NITW)	1996	Power Electronics and Drives
10	Sri. CH. Venkaiah	Associate Professor	M.Tech (NITW)	1993	Power Systems
11	Dr. M Sailaja Kumari	Associate Professor	PHD (NITW)	1997	Power Systems
12	Sri. B Nagu	Assistant Professor	M.Tech	2006	Power Systems
13	Smt. Porapandiselvi	Assistant Professor	M.E	2006	Power Electronics and Drives
14	Sri. P Srinivasan	Assistant Professor	M.Tech	2012	Power Electronics and Drives
15	Sri. Y Chandrashekar	Assistant Professor	M.Tech	2012	Power Systems
16	Sri. CH Ramulu	Assistant Professor	M.Tech	2012	Power Electronics and Drives
17	Dr. P Suresh Babu	Assistant Professor	PHD (JNTUH)	2012	Power Systems
18	Dr. Sachin Jain	Assistant Professor	PHD (IITB)	2012	Power Electronics and Drives
19	Dr. A V V Giridhar	Assistant Professor	PHD (IITM)	2012	Power Systems
20	Dr. B L Narasimha Raju	Assistant Professor	PHD (IITR)	2012	Power Electronics and Drives
21	Dr. A Kirubakaran	Assistant Professor	PHD (MANIT)	2012	Power Electronics and Drives
22	Dr. M Udaya Bhasker	Assistant Professor	PHD (Spain)	2012	Power Electronics and Drives

Department of Mechanical Engineering

S. No.	Name	Designation	Highest Degree (Univ / Instt)	Year Joined (REC / NITW)	Areas of Research
1	Dr. B. Kotiveerachari	Professor	Ph.D (KU)	1977	Machine Tools Metal cutting
2	Dr. Rapur Venkatachalam	Professor	Ph.D. IIT, (Kanpur)	1981	Design, Dynamics, Kinematics
3	Dr.K.Madhu Murthy	Professor	Ph.D.(RECW)	1987	Enterpreneurship,Biofuels,Thermal engineering
4	Dr. A.V.Narasimha Rao	Professor	Ph.D.(RECW)	1974	Thermal Engineering, Solar Energy
5	Dr. Lanka Krishnand	Professor	Ph.D.,NITW	1999	CAD/CAM, Rapid Prototyping, Supply Chain Management
6	Dr. C.S.P. Rao	Professor	Ph.D (NITW)	1990	Production Engineering Scheduling, Modeling & Simulation, Evolutionary computing & MMCS
7	Dr. Srinivasa Rao S	Professor	Ph.D (IIT, Bombay)	1992	Heat power engineering, Two phase flow IC Engines, Solar energy
8	Dr. Bangaru Babu P	Professor	Ph.D (IIT, Madras)	1992	Design
9	Dr. Gururaja Rao C	Professor	Ph.D (IIT, Madras)	1992	Heat Transfer, Computational Fluid Dynamics, Thermodynamics, Refrigeration and Air-conditioning, Cooling of Electronic Equipment & Devices
10	Sri A. Venugopal	Professor	Ph.D. (IIT Delhi)	1989	Conventional and Un-Conventional Machining, Rapid Prototyping, Metrology
11	Dr. Neelakanteshwar Rao A	Professor	Ph.D (IIT, Kharagpur)	1992	Operations management, Quality Engineering & MST
12	Dr.Amba Prasada Rao G	Professor	Ph.D.,NITW	1996	IC Engines, Alternate Fuels, Emissions control and Renewable sources of Energy
13	Dr.Selvaraj N	Professor	Ph.D.,NITW	1992	Simulation, FMS, CNC machines, Pull systems. Materials
14	Dr.K.V.Sai Srinadh	Professor	Ph.D.(BHU, Varanasi)	1992	Mechanical Behaviour of Materials, Manufacturing Processes
15	Dr.Ravi Kumar Puli	Professor	Ph.D. (NITW)	1992	ICEngines,Alternate Fuels,Design of Air Car,Fuel Cell Car(Solar/Hydrogen),Engine Simulation



एकीकृत परीक्षण उपकरण
Consolidation Testing Equipment



संरचनाएं और सामग्री परीक्षण कार्यशाला
Structures and Material Testing Workshop

16	Sri Venkateshwara Rao G	Associate Professor	M.Tech (NITW)	1984	Metal cutting, Machine Tools
17	Sri Gupta G R K	Associate Professor	M.Tech (NITW)	1987	CFD, Turbo machines
18	Sri I.Ashok Kumar Reddy	Associate Professor	M.Tech (NITW)	1984	Metal Joining, Workshop Technology
19	Dr.R.Narasimha Rao	Associate Professor	Ph.D., RGTU (MANIT), Bhopal	2008	Tribology,Design of Bearings,Finite Element Methods,Advanced Light Weight Composites
20	Dr.Kumar.A	Associate Professor	Ph.D. (Osmania University)	2008	Friction Stir Welding, Friction Stir Processing, Electrical Discharge Machining, stir casting and TIG welding, Design of Experiments
21	Dr. Siva Prasad Reddy	Assistant Professor	Ph.D. (NITW)	2012	Sheduling, Optimisation, Machining, Simulation
22	Dr. V.Suresh Babu	Associate Professor	IIT Delhi	1999	Design, Vibration, Condition Monitoring, Material
23	Dr.A.Veeresh Babu	Assistant Professor	Ph.D.(Andhra University)	2013	Alternate Fuels and Emissions,Heat Transfer,IC Engines,Refrigeration and Air conditioning
24	Dr.Y.Ravi Kumar	Assistant Professor	Ph.D. (Osmania University)	2006	CAD/CAM/CIM,Rapid Prototyping, Bio-CAD, Bio-RP
25	Dr. N. Venkaiah	Assistant Professor	Ph.D. (IIT MADRAS)	2007	Metrology,Machining, Mechatronics,OptimizationTechniques, Computational Geometric Techniques.
26	Dr.Velagapudi Vasu	Assistant Professor	Ph.D.(JNTU Hyderabad)	2008	Nanotechnology, Mechatronics, Nano materials and composites
27	Sri T.Sadasiva Rao	Assistant Professor	Ph.D.NITW (Pursuing)	1993	Machining, Manufacturing Engg.
28	Dr. Subhash Chandra Bose P	Assistant Professor	Ph.D. (NITW)	2008	Machining of high temperature alloys, Optimisation Techniques
29	Dr. Joseph Davidson M	Assistant Professor	Ph.D. (NITW)	2008	Metal forming
30	Dr.G.Naga Srinivasulu	Assistant Professor	Ph.D.(Andhra University)	2008	PEM Fuel Cell,Heat Transfer,IC Engines,Turbo Machines
31	Dr.Kiran Kumar K	Assistant Professor	Ph.D. (IIT, Kharagpur)	2012	Heat Transfer,Refigeration and Air conditioning,Nanofluids
32	Sri V.Rajesh Khana Raju	Assistant Professor	Ph.D. (IIT,Kharagpur)	2012	Thermal Engineering
33	Dr.Srikanth K	Assistant Professor	Florida International University, USA	2012	Piezoelectric Energy Harvesting, Structural Health Monitoring, Engineering Design, Micro Air Vehicles.
34	Dr. V. Hari Kumar	Assistant Professor	Ph.D. (IIT, Kharagpur)	2012	CAD, Geometric Modelling, Isogeometric Analysis, Optimisation, Robotics

Department of Electronics and Communication Engineering

S. No.	Name	Designation	Highest Degree (Univ / Instt)	Year Joined (REC / NIT)	Areas of Research
1	Dr.K.S.R. Krishna Prasad	Professor	Ph.D. IIT, Bombay	1979	VLSI System Design Instrumentation, Imaging
2	Dr.N.S. Murthy	Professor	Ph.D., K.U	1992	Digital Signal Processing Instrumentation & VLSI
3	Dr.N.V.S.N. Sarma	Professor	Ph.D., IIT, Kharagpur	1990	Microwave Communications Numerical Electro-magnetics
4	Sri M.V. Raghunath	Asso. Professor	M.E., Roorkee	1985	Pattern Recognition Communication Systems
5	Dr.C. Buchi Rama Rao	Asso. Professor	Ph.D., IIT, Kharagpur	1982	Digital Signal Processing
6	Sri K. Ravi Kishore,	Asso. Professor	M.Tech., K.U.	1983	Digital System Design Computer Networks & VLSI
7	Dr.T. Kishore Kumar	Asso. Professor	Ph.D., JNTU, Hyd	1999	Digital System Design
8	Dr. B. Lakshmi	Asso. Professor	Ph.D., IIT, Kharagpur	1988	Digital System Design, VLSI
9	Sri. T.V.K. Hanumantha Rao	Asso. Professor	M.Tech., IIT, Delhi	1992	Microelectronics
10	Dr.N. Bheema Rao	Asso. Professor	Ph.D., IIT, Bombay	1993	Tunable spiral inductor for RF applications
11	Sri. P. Harikrishna Prasad	Asso. Professor	M.Tech., SVU, Tirupati	1993	Digital Communications
12	Sri. S.K.L.V. Sai Prakash	Asso. Professor	M.Tech., K.U.	1992	Instrumentation, Computer Networks
13	Dr.L. Anjaneyulu	Asso. Professor	Ph.D., NITW	1997	Classification of Low SNR LPI Radar Signals
14	Sri K.V. Sridhar	Asso. Professor	M.Tech., K.U.	1997	Digital Signal Processing
15	Dr. P. Srihari Rao	Asso. Professor	Ph.D., NITW	1999	Computer Networks Com Systems
16	Sri A. Prakash Rao	Asso. Professor	M.Tech., Pondi	1999	Communication Systems
17	Sri P. Muralidhar	Asso. Professor	M.Tech., NITW	1997	Electronic Instrumentation
18	Ms. P. Prithvi	Asst. Professor	M.Tech., NITW	1997	Electronic Instrumentation
19	Ms. V. Rama	Asst. Professor	M.Tech., NITW	1999	Electronic Instrumentation
20	Dr. D. Vakula	Asst. Professor	Ph.D., NITW	2006	Microwaves
21	Sri J. Ravi Kumar	Asst. Professor	M.Tech., JNTU,	2006	Digital System Design
22	Sri K. Sarangam	Asst. Professor	M.Tech., NITW	2006	VLSI System Design
23	Dr. S. Anuradha	Asst. Professor	Ph.D., A.U.	2008	Electronics Instrumentation & Engineering
24	Dr. V. Venkata Mani	Asst. Professor	Ph.D., IIT, Delhi	2008	Smart antenna design techniques ultra wide band

Department of Metallurgical and Materials Engineering

Sl. No.	Name	Designation	Highest Degree (Univ / Instt)	Year Joined (REC / NIT)	Areas of Research
1.	Dr.M.K. Mohan	Professor	Ph.D, IT, BHU	1992	Extractive Metallurgy, Corrosion and Removal of heavy metal ions from waste process solutions
2.	Dr. P.S. Prakash Rao	Professor	Ph.D, IT BHU	1977	Process Metallurgy, Sulphide Metallurgy
3.	Dr.G.V.S.Nageswara Rao	Professor	Ph.D, NIT Warangal	1996	Surface Engineering, Powder Metallurgy and Material Testing and Characterization
4.	Sri P.Ravindar	Asso. Professor	M.Tech, IT BHU	1981	Foundry Metallurgy, Extractive Metallurgy
5.	Dr. N.Narasaiah	Asso. Professor	Ph.D, IIT Kharagpur	2012	Deformation Behavior of Materials, Fatigue & Fracture
6.	Dr. C. Vanitha	Asst Professor	Ph.D, IIT Bombay	2008	Texture
7	Dr. Asit Kumar Khanra	Asst. Professor	Ph.D, IIT Kharagpur	2008	Powder Metallurgy & Ceramics
8.	Mr.V. Rangadhara Chary	Asst. Professor	M.Tech, IIT Kanpur	2012	Phase Transformations, Nanomaterials

Department of Chemical Engineering

S. No.	Name	Designation	Highest Degree (Univ / Instt)	Year Joined (REC / NIT)	Areas of Research
1	Dr. G. Venkat Reddy	Professor	Ph.D (IIT KGP)	1995	Fluidized Bed combustion, Reactive Distillation, Fluidized Bed Bio Reactors, Modeling Simulation and Optimization
2	Dr. R C Sastry	Professor	PhD (NITW)	1979	Plate Heat exchangers,
3	Dr. Y. Pydi Setty	Professor	Ph.D (IIT Madras)	1996	Fluidized Bed Operations, Biological nitrification and Denitrification of waste water
4.	Sri A. Sarat Babu	Associate Professor	M.Tech (NITW)	1987	Modeling and simulation, chemical reaction Engineering
5.	Dr. A. Venu Vinod	Associate Professor	PhD (NITW)	1996	Biological Wastewater Treatment, Heat Transfer enhancement using nanofluids
6.	Ms. K. Srivani	Associate Professor	M.Tech (NITW)	1996	Biochemical Engineering
7.	Dr. Shirish Sonawane	Associate Professor	Ph.D (North Maharastra Unv.)	2012	Production of Nano Materials, Nano Fluids, Heat Transfer using Nano Fluids, Chemical Reaction Engineering
8.	Sri. K. Anand Kishore	Associate Professor	M.Tech (Osmania University)	1999	Biochemical Engineering, Modeling and simulation
9.	Dr. S. Srinath	Associate Professor	M.Tech (NITW)	1999	Fluidized Bed combustion, Modeling and simulation
10.	Sri S. Srinu Naik	Assistant Professor	M Tech, OU	2008	Biological Denitrification of waste water, Modeling and simulation
11.	Dr. T. Sunil Kumar	Assistant Professor	Ph.D (Univ. of Notre Dame)	2012	Microfluidics, Galvanic Corrosion, Modeling & Simulation
12.	Dr. P V Suresh	Assistant Professor	Ph.D (IIT Madras)	2012	CFD, Fuel Cells, Chemical Looping Combustion

Department of Computer Science & Engineering

S. No.	Name	Designation	Highest Degree (Univ / Instt)	Year Joined (REC / NIT)	Areas of Research
1	Dr. T.Ramesh	Professor	Ph.D, NITW	1979	Parallel Algorithms, Optimization
2.	Dr. D.V.L.N. Somayajulu	Professor	Ph.D, IIT Delhi	1988	Business Intelligence, Big Data Analytics,
3	Dr. B.B. Amberker	Professor	Ph.D, IISC Bangalore	2007	Cryptographic Algorithms
4	Dr. S.G.Sanjeevi	Professor	Ph.D, IIT Bombay	1993	Machine Learning and Soft Computing
5	Dr. K.Ramesh	Associate Professor	Ph.D, NITW	1992	Model Driven Architecture,
6	Dr. Ch.Sudhakar	Associate Professor	Ph.D, NITW	1999	High Performance Computing, Parallel Algorithms
7.	Dr. R.B.V. Subramanyam	Associate Professor	Ph.D, IIT Kharagpur	2008	Data Mining, Big Data Analytics
8	Sri. S.Ravi Chandra	Assistant Professor	M.Tech, JNTU, Anantpur	1999	Software Engineering
9.	Sri. Raju Bhukya	Assistant Professor	M.Tech, AU, Visakhapatnam	2006	Bio Informatics
10.	Sri. T.Rama Krishnudu	Assistant Professor	M.Tech, AU, Visakhapatnam	2006	Data Mining
11	Dr. R.Padmavathy	Assistant Professor	Ph.D, Univ of Hyd	2008	Cryptanalysis
12	Dr. K.V. Kadambari	Assistant Professor	Ph.D, JNU, Delhi	2012	computational neuroscience, modeling and simulation, machine learning and artificial intelligence
13	Dr. U.S.N.Raju	Assistant Professor	Ph.D, JNTU Kakinada	2012	Computer Vision, Image Processing
14	Dr. Rashmi Ranjan Rout	Assistant Professor	Ph.D, IIT Kharagpur	2012	Mobile computing and wireless ad-hoc and sensor networks
15	Dr. P.V. Subba Reddy	Assistant Professor	Ph.D, NIT Trichy	2012	Algorithms

Department of Bio-technology

S. No.	Name	Designation	Highest Degree (Univ / Instt)	Year Joined (REC / NITW)	Areas of Research
1	Sri P. Onkara Perumal	Asst.Professor	M.Tech. WB Inst Tech	2006	Bioinformatics & Biofuels
2	Sri K.Narasimhulu	Asst.Professor	PhD Submitted JNTU, Hyd	2008	Environmental Biotechnology & Modelling and Simulation of Bioprocesses
3	Dr.P.Sreenivasa Rao	Asst.Professor	Ph.D, JNTU Hyderabad	2008	Downstream Processing, Metabolic Engineering & Stemcell Technology
4	Dr. R.Satish Babu	Asst.Professor	PhD JNTU Hyderabad	2012	Bioprocess Engineering & Environmental Biotechnology

School of Management

S. No.	Name	Designation	Highest Degree (Univ / Instt)	Year Joined (REC / NITW)	Areas of Research
1.	Dr.M.Ravindar Reddy	Associate Professor	PhD, NITW	1991	Economics & International Business
2	Shri.R.Mohan	Associate Professor	MBA, M.Com, NITW	1992	Financial Management
3	Dr.K.Padma	Associate Professor	PhD, IIT Kharagpur	1996	Economics
4	Dr.P.Ramlal	Assistant Professor	PhD, Kakatiya University	2006	Human Res & Training and Development.
5	Dr.G.Sunitha	Assistant Professor	PhD, Kakatiya University	2006	Financial Management
6	Dr. Ritanjali Majhi	Assistant Professor	PhD, BIT Mesra	2008	Marketing Management/Time Series Prediction/CRM
7	Dr.S.L.Tulasi Devi	Assistant Professor	PhD, Nagarjuna University	2006	Financial Management
8	Dr.K.Francis Sudhakar	Assistant Professor	PhD, Osmania University	2012	Consumer Behaviour & Services Marketing

Department of Mathematics

S. No.	Name	Designation	Highest Degree (Univ / Instt)	Year Joined (REC / NITW)	Areas of Research
1.	Dr.G.R.K.Acharya	Professor	Ph.D.(IIT, Kharagpur)	1984	Bio-Mechanics
2.	Dr.Y.N.Reddy	Professor	Ph.D. (IIT, Kanpur)	1992	Numerical Analysis
3.	Dr.K.N.S.K. Viswanadham	Professor	Ph.D.(IIT, Bombay)	1992	Numerical Analysis
4.	Dr.J.V.Ramana Murthy	Professor	Ph.D. (REC, Warangal)	1993	Fluid Mechanics
5.	Dr.Debashis Dutta	Professor	Ph.D.(IIT, Kharagpur)	1993	Operations Research
6.	Dr.D.Srinivasacharya	Asso. Professor	Ph.D. (REC, Warangal)	1999	Fluid Mechanics
7.	Dr.P.Muthu	Asso. Professor	Ph.D. (IIT, Kanpur)	2008	Bio-Mechanics
8.	Dr.J.Pranitha	Asst.Professor	Ph.D.(NIT, Warangal)	2006	Fluid Mechanics
9.	Dr.R.S.Selvaraj	Asst.Professor	Ph.D. (IIT, Madras)	2007	Coding Theory
10.	Dr.H.P.Rani	Asst.Professor	Ph.D. (Anna Univ)	2008	Computational Fluid Dynamics
11.	Dr.A.Benerji Babu	Asst.Professor	Ph.D. (Osmania Univ.)	2008	Fluid Mechanics
12.	Dr.D.Bhargavi	Asst.Professor	Ph.D. (IIT, Kharagpur)	2012	Fluid Mechanics
13.	Dr.T.Kurmayya	Asst.Professor	Ph.D. (IIT, Madras)	2012	Functional Analysis
14.	Dr.Nachiketa Mishra	Asst.Professor	Ph.D. (IIT, Madras)	2012	Computational Fluid Dynamics

Department of Physics

S. No.	Name	Designation	Highest Degree (Univ / Instt)	Year Joined (REC / NITW)	Areas of Research
1 2	Dr. K. Srimannarayana	Professor	Ph.D, REC Warangal	1977	Lasers & Fiber Optics
3	Dr. G R C Reddy	Professor	Ph.D, REC Warangal	1978	Photonics
4	Dr. A. Ramachandra Reddy	Professor	Ph.D, REC Warangal	1980	Nano technology, Super Capacitors
5	Dr. S.V.S.R.Reddy	Professor	Ph.D, AU Visakhaptnam	1986	Applied radio-actvity
6	Dr. L. Ramgopal Reddy	Professor	Ph.D, REC Warangal	1987	Medical Instrumentation, Tropospheric Radio Propagation
7	Dr. M. Sai Shankar	Professor	Ph.D, REC Warangal	1979	Optical System Design, Fiber Bragg Grating Sensors
8	Dr. R.L.N. Sai Prasad	Professor	Ph.D, REC Warangal	1986	Electronic Instrumentation, Fiber Optic sensors
9	Dr. K. Venugopal Reddy	Assoc. Professor	Ph.D, Univ of Hyderabad	1992	Nanoferrites and Nano composites
10	Dr. B. Shobha	Assoc. Professor	Ph.D, IIT Madras	1992	Sensors & Related Instrumentation
11	Dr. D. Dinakar	Assoc. Professor	Ph.D, REC Warangal	1995	Fiber optic sensors and Vibrational studies
12	Dr. T. Venkatappa Rao	Asst. Professor	Ph.D, Kakatiya University	2008	Condensed matter physics, Polymer Degradation
13	Dr. P. Syam Prasad	Asst. Professor	Ph.D, Nagarjuna University	2008	Bio Glasses & Ceramics
14	Dr. P. Abdul Azeem	Asst. Professor	Ph.D, Sri Krishnadevaraya University	2008	Bio active glasses, Nano Phosphorous
15	Dr. Sourabh Roy	Asst. Professor	Ph.D, IIT Kharagpur	2012	Photonic crystals, Non-linear Optics

Department of Chemistry

S. No.	Name	Designation	Highest Degree (Univ / Instt)	Year Joined (REC / NITW)	Areas of Research
1	Dr. B. V. Appa Rao	Professor	Ph.D.,BHU	1995	Corrosion Science, Environmental Chemistry
2	Dr. A. Ramachandraiah	Professor	Ph.D.,University of Hyderabad	1985	Coordination Chemistry, Electrochemistry
3	Dr. G. V. P. Chandramouli	Professor	Ph.D., Kakatiya Univ	1977	Synthetic Organic Chemistry, Heterocyclic Chemistry
4	Dr. I. Ajit Kumar Reddy	Professor	Ph.D.,IIT, Kanpur	1981	Micellar Catalysis, Chemical Kinetics
5	Dr. P. Nageswara Rao	Professor	Ph.D.,Kakatiya	1980	Analytical Chemistry, Extractive Spectrometry
6	Dr. K. Laxma Reddy	Professor	Ph.D., Kaktiya	1987	Coordination Chemistry, Environmental Chemistry
7	Dr. B. Rajitha	Professor	Ph.D., Kakatiya REC	1992	Synthetic Organic Chemistry, Heterocyclic Chemistry
8	Dr. V. Rajeswar Rao	Professor	Ph.D., Kakatiya	1995	Synthetic Organic Chemistry, Heterocyclic Chemistry
9	Dr. K.V. Gobi	Asso. Professor	Ph.D., Madurai Kamaraj	2008	Biosensors
10	Dr. P. V. Srilakshmi	Asso. Professor	Ph.D.,Osmania	2006	Bio-organic Chemistry
11	Dr Vishnu Shanker	Asst. Professor	Ph.D.,IIT, Delhi	2008	Nano science, Materials Chemistry
12	Dr. Venkatathri Narayanan	Asst. Professor	Ph.D.,NCL, Pune	2008	Materials Chemistry, Catalysis
13	Dr. B. Vijaya Kumar	Asst. Professor	Ph.D.,Osmania	2012	Nano materials, Materials Chemistry
14	Dr. D. Kasinath	Asst. Professor	Ph.D.,IIT, Bombay	2012	Asymmetric Synthesis

Department of Humanities & Social Sciences

S. No.	Name	Designation	Highest Degree (Univ / Instt)	Year Joined (REC / NITW)	Areas of Research
1	Dr. D.S.Kesava Rao	Professor of English	Ph.D., Sri Venkateswara University	1990	British and Commonwealth Literature, English Language Teaching English for Specific Purposes
2	Dr. Rajakumar Guduru	Assistant Professor	PhD English, EFL University	2012	Vocabulary Teaching; Second Language Acquisition; Error Analysis; English for Specific Purposes;
3	Dr. M.R. Vishwanathan	Assistant Professor	PhD Osmania University	2012	ELT (multilingual education; politics in language teaching; history of English teaching in India etc)

Department of Physical Education

S. No.	Name	Designation	Highest Degree (Univ / Instt)	Year Joined (REC / NITW)	Areas of Research
1.	Dr. R. Dayanidhi	Physical Director	PhD Kakatiya Univ	1992	Training Methods
2	Dr. P. Madhusudan Reddy	Physical Director	PhD Pt Ravishankar Univ.	1992	Sports Psychology
3	Dr. P. Ravi Kumar	Physical Director	PhD SKU	1992	Exercise Physiology

3. 2 Non-Teaching Staff

a. Administrative & Other Officers

S.No.	Name	Designation	Dept.
1.	Prof. P. Anand Raj	Registrar I/c. upto 3 Aug 2012	
2.	Prof. A. Ramachandra Reddy	Registrar I/c. From 4 Aug 2012	
3.	Dr. G. Amba Prasada Rao	Associate Dean (Academic)	Academic
4.	Dr. K. Padma	Associate Dean (Accounts)	Accounts
5.	Dr. M. Sailaja Kumari	Associate Dean (Admin)	Academic
6.	Sri T. Paul	Asst. Registrar (Acad) (Officiating)	Academic
7.	Sri P. Krishna Rao	Asst. Registrar	Administration
8.	Dr. K.U.S. Sastry	Asst. Registrar (Admn) On deputation	Administration
9.	Sri R. Sammi Reddy	Librarian	Library
10.	Sri K.J. Prasad	Asst. Librarian (Officiating)	Library
11.	Sri G. Ramesh	Dy. Executive Engineer	P.E. Office
12.	Sri R. Veeraswamy	Workshop Foreman	MED
13.	Sri K.Yella Swamy	Workshop Foreman (Officiating)	MED
14.	Sri S. Chandrasekhar	Stores Officer	Central stores
15.	Sri P. Mohan	Programmer	Computer Centre
16.	Dr. (Mrs.) A. Aruna	Medical Officer upto 31 Jan 13	Dispensary
17.	Dr. K. Tirupathi Reddy	Medical Officer I/c, On Contract	Dispensary

b. Non-Teaching Staff

S.No	Name & Designation	S.No	Name & Designation
SUPERINTENDENT/ACCOUNTANT			
1.	Paul T (officiating A.R)	8.	Sammaiah A (Rtd. on 31-07-2012)
2.	Krishna Rao P (officiating A. R) (Rtd. on 30.06.2012)	9.	Sandhya Rani D
3.	Raju G	10.	Samel P
4.	Krishnamurthy A R (Rtd. on 31-10-2012)	11.	Samba Murthy M
5.	G.Keshavulu (Rtd. on 30-09-2012)	12.	Sudhakar M (from 02-07-2012)
6.	Janardhan R	13.	Zafar Md (from 01-08-2012)
7.	Gurupathy B	14.	Gopinath R (from 01-10-2012)
		15.	Quraishi A.A (from 01-11-2012)
SR.ASST./UD CASHIER/ UD RECORD KEEPER			
1.	Sudhakar M (up to 01-07-2012)	16.	Parasuramulu R
2.	Md.Zafar (up to 31-07-2012)	17.	T. Kiran Kumar
3.	Gopinath R (up to 30-09-2012)	18.	Sridhar Rao M
4.	Qureshi A A (up to 31-10-2012)	19.	M.Sadar Lal
5.	Prakash S S	20.	Md.Afzal
6.	Mahabul D	21.	K.Nagender Rao
7.	Quamar Pasha S A	22.	J.Bhasker
8.	Shamshul Hussain Md	23.	Ch.S. Prakasa Rao
9.	Bala Subramanyam G	24.	Venkateswarlu S
10	Shiva Kumar P	25.	Mahender Singh S
11.	Rama Rao A	26.	Jai Singh A
12.	Mallaiah R	27.	Dilip Kumar T (from 03-07-2012)
13.	Srinivasa Reddy M	28.	Prem Kumar P (from 02-08-2012)
14.	Sanjeeva M	29.	Narender V (from 01-10-2012)
15.	Shyamala J	30.	Srinivas Rao K (from 01-11-2012)

JR.ASST.

1. Dilip Kumar T (up to 02-07-2012)
2. Prem Kumar P (up to 01-08-2012)
3. Suresh V
4. Aliullasha Khader Md
5. Mahesh Kumar Y
6. Hymavathi P
7. Bhaskar T
8. Srinivas R
9. Someshwar Rao A
10. Kiran Kumar A
11. Srinivas T
12. Sarvaiah M (Rtd. on 31-10-2012)
13. Mangilal B
14. Rajanna M
15. Jagadeesh Kumar A

JR.ASST. (S)

1. Srinivasa Rao K (up to 31-10-2012)
2. Dayakar P

GARDEN SUPERVISOR

1 Umamaheswar Rao P

3. Ashwin Kumar D

JACT

1. Narender V (up to 30-09-2012)
2. Veda Prakash G
3. Ms. Husna
4. Dr. Nanu Lunavath

TYPIST/ LD TYPIST/ LD STENO TYPIST

1. Renuka D
2. Ashok Kumar P
3. Padmaja G
4. Indira Priyadarshini B

CTCR

1 Jayanth G

RONEO OPERATOR

1 Ramesh A

HEAD MALI

1 Rajaiah K

STORE / RECORD ASSISTANTS

1. Chandraiah P (Jr.) (Rdt. On 30-09-2012)
2. Ismail Md
3. Ilaiah T (Rtd. on 30.04.2012)
4. Bhaskar M
5. Ilaiah R (Rtd. on 30.06.2012)
6. Adam S
7. Veeraswamy(Sr) G (Rtd. on 31-07-2012)
8. Saraiah K
9. Sarada S
10. Syed Mustafa (Rtd. on 31.05.2012)
11. Sambaiah N
12. Sivaprasad V
13. Ramesh K
14. Rajamouli K
15. Devendra K
16. Anandam G
17. Ramesh Babu Ch
18. Ramesh D
19. Kishore Kumar N
20. Akbar Md
21. Heerulal P
22. Vara Prasad A
23. Bhaskar P
24. Bikshapathy Y
25. Tara Bai B
26. Farooq Azam Md
27. Narayana. G
28. Kamala K
29. Kumar Swamy M
30. Shoukat Ali Md.
31. Krishna Veni P
32. Rajender K
33. Somaiah G
34. Sambaiah G
35. Sanjeevaiah K
36. Balaji Singh T
37. Gouri Shankar G
38. Sambaiah A
39. Tirupathi B
40. Srihari G
41. Inqushaf Ali Md.
42. Rajendra Prasad P (from 02-07-2012)
43. Sridhar Kumar G (from 01-08-2012)
44. Devadas T (from 01-10-2012)

ATTENDER

1. Rajendra Prasad P (up to 01.07.2012)
2. Ravinder M (upto 06.03.2013)
3. Devadas T (up to 30-09-2012)
4. Eswar P (upto 06.03.2013)
5. Mallikarjun K (upto 06.03.2013)
6. Bikshapathy A (upto 06.03.2013)
7. Srikanth P (upto 06.03.2013)
8. Srinivas J (upto 06.03.2013)
9. Srihari S (up to 03.05.2012)
10. Narasimhulu N (upto 06.03.2013)
11. Aruna Mary(upto 06.03.2013)
12. Sridhar Kumar G (up to 31-07-2012)

MALAN

1 Shaheen Begum (upto 06.03.2013)

S-C-S

1 Sambaiah A (up to 08.01.2012)
2 Zaheeruddin Md(upto 06.03.2013)

BOOK CLEANER

1 Narsaiah J (upto 06.03.2013)

CLEANERS

1. Ramesh V (upto 06.03.2013)
2. Abdul Gaffar Md (upto 06.03.2013)

TECHNICAL STAFF

SR. LIB. ASST.

1 Prasad K J (Officiating Asst. Librarian) (from 04.04.2012 AN)

JR. LIB. ASST.

1 Sudarshanam B

STORE KEEPER (TECH.)

1. Vasanth Ram M

TECH. ASST.

1. Samson B
2. Janardhan R (Expd. on 28.09.2012)
3. Rangilal B
4. Sukumar D (Rtd. on 31.07.2012)
5. Ramesh K

ASST. ENGINEER

1 Sardar Singh M

W/S SUPERVISOR

1 Yella Swamy K. (officiating Foreman)

COMPUTER OPERATOR

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

MECH. 'A' GRADE

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

MECH. 'B' GRADE

1. Harinath N
2. Chandra Murthy V
3. Nagabhushanam A
4. Suryababu D
5. Rasheed Md
6. Venkateswarlu V
7. Ravinder K
8. Sudhakar V
9. Purushottam K
10. Laxman A
11. Ramchander Y
12. Parasu Ramulu K
13. Sudhakar N
14. Venugopal S
15. Srinivasulu N
16. Ravinder R
17. Ravi S
18. Veeranna T

MECH. 'C' GRADE

1. Balaswamy T
2. Veerender V
3. Chandra Narayana A
4. Vijay Kumar K
5. Anand Singh K
6. Mahendra Kumar K
7. Sunil Kumar D
8. Veeranna T
9. Devender B
10. Veeraiah D
11. Sambayya V
12. Ramesh M
13. Rajamouli A
14. Ramulu B
15. Kumaraswamy M
16. Shankaraiah M
17. Shankaraiah G

DRIVER

1 Ramesh J

PHARMACIST Gr II

1 Satyavedam D (retd on 30/4/12)

STAFF NURSE

1 Rameeja Bee K

TECHNICAL HELPERS

1. Gattaiah Ch
2. Kattaiah Ch
3. Komuraiah K (Sr)
4. Yellaiah N
5. Venkatadri Y
6. Kondaiah P
7. Srinivas A
8. Janardhan G
9. Veeraiah P
10. Dasaratham N
11. Saraiah G
12. Ilaiah B
13. Jakkaiah B
14. Jumani L
15. Komuraiah L
16. Rajaiah A
17. Takur B
18. Shankar K (Rtd. on 30.04.2012)
19. Komuraiah S
20. Ilaiah P(Jr.)
21. Komuraiah K (Jr)
22. Veeraswamy(Jr.) G
23. Hajia D
24. Komuraiah A
25. Dayakar Y
26. Yadamma V
27. Nagamani V
28. Hussain Md
29. Afzal Md
30. Saraiah P
31. Yadimallu P
32. Laxmaiah B
33. Murali Krishna K
34. Prasad A (Expd. On 24.08.2012)
35. Laxmi T
36. Palaiah P
37. Ramulu B
38. Venkatamma K
39. Rajamma J
40. Rajanna J
41. Ilaiah R
42. Shankariah M
43. Sajeeda Khatoon
44. Surayya B
45. Jayasri B
46. Jayalakshmi K
47. Pratap G
48. Murali G

SKILLED WORK ASSISTANT

1. N.Narasimhulu (from 07.03.2013)
2. Md.Abdul Gaffar (from 07.03.2013)
3. V. Ramesh (from 07.03.2013)
4. M. Ravinder (from 07.03.2013)
5. P. Eshwar (from 07.03.2013)
6. K. Mallikarjun (from 07.03.2013)
7 A. Bikshapathy (from 07.03.2013)
8. P. Srikanth (from 07.03.2013)
9. J. Srinivas (from 07.03.2013)
10. J. Narasaiah (from 07.03.2013)
11. D. Aruna Mary (from 07.03.2013)
12. Shaheen Begum (from 07.03.2013)
13. Md. Zaheeruddin (from 07.03.2013)

C. Hostel Employees

Head Cook

1. Saraiah G
2. Venkataiah T
3. Yadagiri C
4. Veeraiah K

Mess Supervisor

1. Rajaratnam Ch
2. Ali Md. (Rtd. on 31.08.2012)
3. Shiak Mohammed
4. Iqbal Md

Head Supplier

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

Office Boy

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

Supplier

1. Jaffer M A
2. Komaraiah N
3. Kanakaiah A
4. Pentaiah T
5. Saraiah A
6. Laxmaiah G
7. Sailu K
8. Bhadraiah G (Rtd. on 30.04.2012)
9. Raju K
10. Sambaiah G
11. Ilaiah(Sr) T
12. Ilaiah M
13. Ravi. M
14. Kanakaiah K

Maid Servant

1. Bhadramma G (Rtd. on 30-06-2012)
2. Venkatamma B

Reading Room Boy

1. Babu Rao M

H. Watchman

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

Male Servant

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

Asst. Cook

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

Store Boy

1. Mallesham J
2. Mahboob Md
3. Maqbul Jani Md

Kitchen Asst.

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

Grinding Assistant

1. Ramulu N

Sweeper

1.
2. Rajaiah A
3. Cheralu K
4. Ilaiah A
5. Ejjagiri G
6. Venkataiah A
7. Sammaiah P
8. Sailu E
9. Sammaiah N
10. Cheralu M
11. Veeraiah K
12. Ilaiah P (Expd. on 25.11.2012)
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 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 Programme	Period		For whom arranged (and Numbers)	Main Sponsor	Name of the Coordinator
		From	To			
CIVIL ENGINEERING DEPARTMENT:						
1	Emerging Trends in water Supply Sector	13.04.12	14.04.12	Municipal Engineers and Faculty 35	TEQIP-II	Dr.E.Venkata Rathnam, Prof. K.V.Jayakumar
2	Advanced Mapping Tech. for Planning & Management of Resources	21.05.12	25.05.12	Industry -2, Teaching -20 and Research Scholors-4	TEQIP Phase –II , NIT Warangal	Dr. K. Venkata Reddy Prof. Deva Pratap
3	Sustainable Urban Transport	10.10.12	-	Stake Holders (HMDA, GHMC, APSRTC)	PTV Group, Germany	Prof. CSRK Prasad
4	A Two Day Workshop on Sustainable Urban Transport	18.02.13	19.02.13	Urban Transport Professionals, Researchers	MoUD	Prof. C.S.R.K. Prasad, and Dr. K.V.R. Ravi Shankar
5	National Conference on "Sustainable Construction Materials & Tech."	15.03.13	16.03.13	Academicians, Researchers	TEQIP – II	Dr G Rajesh Kumar, Dr P Ratish Kumar and Dr S Venkateswara Rao
6	Advances in Flexible Pavement. Design (AFPD 2012)	15.03.12	17.03.12	Engineering college faculty, engineers	TEQIP	Prof.CSRK. Prasad, Dr. Venkaiah Chowdary
7	Sustainable Urban Transport	09.10.13	-	Transport Professionals, Researchers, Students	PTV Group, Germany	Prof.CSRK Prasad
ELECTRICAL ENGINEERING DEPARTMENT:						
1	Three day workshop on Power Control and Energy Management	09.05.2013	09.05.2013	For Faculty and Research Scholars (72 Nos)	TEQIP Phase-II	Dr. B L Narasimharaju & Prof. D M Vinod Kumar
MECHANICAL ENGINEERING DEPARTMENT:						
1	Work shop on "Precision manufacturing and Measurements: Current Trends and Challenges"	May 18	20,2012	TEQIP Phase-2	TEQIP Phase-2	Dr.N.Venkaiah
2	Work shop on "Modelling,analysis and Control of Mechatronic System"	July 27	29,2012	TEQIP Phase-2	TEQIP Phase-2	Dr.N.Venkaiah
3	Work shop on Essential Techniques for Research Problems in Manufacturing and Measurings	July 8	12,2013	Self-financed		Dr.N.Venkaiah
4	Workshop on New Paradigms in Manufacturing	May	2013	Self-financed		Prof. A.Venugopal
5	Workshop on Creativity and Innovation	March	2013	TEQIP, NIT Wgl.	TEQIP, NIT Wgl	Prof. A.Venugopal
6	Introduction to Research Methodologies	24 June	4 July 2012	ISTE	ISTE	Prof. A.Venugopal



इंटीग्रेटेड सर्किट प्रयोगशाला
Integrated Circuits Laboratory



कम्प्यूटर अनुसंधान डिजाइन प्रयोगशाला
Computer Aided Design Laboratory

7	One day workshop on 'Technology and Design Interface' for Final year BTech and MTech students in collaboration with NID, Ahmedabad	24 Aug				Prof.Lanka Krishnanand
8	Three day programme on 'Teaching and Learning for Excellence' for the new faculty	17 July	19 July, 2012			Prof.Lanka Krishnanand
ELECTRONICS AND COMMUNICATION ENGINEERING						
1.	A Two Day NPTEL-NMEICT Awareness Workshop	August 31, 2012	September 1, 2012	For All India Engineering college staff (350)	TEQIP-II	Prof. N.V.S.N Sarma
2.	A three day work shop on speech signal processing	May 10, 2012	May 12, 2012	For All India Engineering college staff	TEQIP-II	Dr. T.Kishore Kumar
3.	A Three Day workshop on Modeling Analysis and control of Mechatronic Systems	July 27 2012	July 29 2012	For All India Engineering college staff	TEQIP -II	Dr. N.Venkaiah Mr. Ravi Kumar Jatoth
COMPUTER SCIENCE AND ENGINEERING DEPARTMENT:						
1	NPTEL NMEICT Awareness Workshop	August 31, 2012	September 1, 2012	Teachers and Faculty of various engineering Colleges	IIT, Madras & TEQIP funds from NIT, Warangal	Prof DVLN Somayajulu
CHEMICAL ENGINEERING DEPARTMENT:						
1	Sono Process Engineering and Reactors for Nanomaterials	23-feb 2013	24-feb 2013	For Teachers and Industry Persons attended	TEQIP-II (two day workshop)	Dr.Shirish Sonawane
METALLURGICAL AND MATERIALS ENGINEERING DEPARTMENT:						
1	Short Term Course on Trends and Advances in Heat Treatment of Steels	30.07.2012	03.08.2012	Academic Institutes, R&D and Industry (30)	TEQIP-II	Prof.T. Srinivasa Rao (Coordinator) Prof.GVS Nageswara Rao (Co-coordinator)
HUMANITIES AND SOCIAL SCIENCES DEPARTMENT:						
1	"Effective Communication Skills"	24 Oct 2012	25Oct 2012	B. Tech Students of NITW (80)	TEQIP	Prof. Kesava Rao
2	"Effective Communication Skills"	24 Oct 2012	25Oct 2012	B. Tech Students of NITW (80)	TEQIP	Prof. Kesava Rao
3	"Effective Communication Skills"	24 Oct 2012	25Oct 2012	B. Tech Students of NITW (80)	TEQIP	Prof. Kesava Rao

PHYSICS DEPARTMENT :						
1.	Photonics and Applications- An awareness Programme	15-4-12	–	students & Faculty	SPIE	Prof. K. Srimannrayana

2. SUMMER /WINTER SCHOOLS/ SEMINARS / SHORT – TERM COURSES ATTENDED:

S. No	Title of the Programme	Period		For whom arranged (and Numbers)	Main Sponsor	Name of the Coordinator
		From	To			
CIVIL ENGINEERING DEPARTMENT:						
i) International						
1.	Intl. workshop on Sustainability & Advances in Concrete Tech.,	07.05.12	08.05.12	Faculty	NIT, Calicut	Prof. N. Ganesan
2.	92nd Annual Meeting of TRB, Washington	13.01.13	17.01.13	Transportation Professionals & Researchers	US DOT	
3.	Mobility & Urban Structure at El Gouna, Egypt	22.02.13	24.02.13	Transportation Professionals & Researchers	TU Berlin	TU Berlin Campus, El Gouna
4.	Advanced SWAT Workshop	16.07.13	17.07.13	Faculty, students and scholars	Texas A&M Univ.	Prof. Raghavan Srinivasan, Prof. A.K. Gosain
ii) National						
1.	Advanced Mapping Techniques for Planning and Management of Resources	21.05.12	25.05.12	Faculty	TEQIP Phase II, NIT Warangal	Prof. Deva Pratap & Dr. Venkata Reddy
2.	Workshop on Computational Fluid Dynamics	12.06.12	22.06.12	Faculty	MHRD	Prof Balachandra Puranik
3.	Indo-US workshop on "Strides in Infra-Development on Expansive and Soft Soils (*IDEas-2012*)"	27.06.12	27.06.12	Academia and Industry	NITW	Dept. of Civil Engg., IIT Hyderabad,
4.	Teaching and Learning for Excellence	17.7.12	19.7.12	Faculty	TEQIP	Dr. B.V. Appa Rao
5.	National Programme on Technology enhanced Learning	31.8.12	01.09.12	Faculty	MHRD under NMEICT	Prof. Mangala Sundar
6.	National program on education	31.08.12	01.09.12	faculty	NPTEL IITM	Prof. DVLN Somayajulu
7.	Workshop on Aakash Education to be held remotely during	10.11.12	11.11.12	faculty	IITB	Prof. DVLN. Somayajulu
8.	Project Management	22.12.12 29.12.12	23.12.12 30.12.12	faculty	PMI Hyderabad	Prof. CSRK Prasad
9.	Advance Course on Uncertainty Handling in Structural Engg.	30.01.13	01.02.13	Faculty and Researchers	CSIR-SERC Chennai	Dr. M.B.Anoop / Dr. P. Kamatchi
10.	Seminar on "Intelligent Transport Systems – Role of Standards"	15.02.13	-	Faculty and Engineers	BIS, New Delhi	M.M. Bansal, Scientist-F, BIS
11.	Two Day Workshop on "Sustainable Urban Transport"	18.02.13	19.02.13	Faculty and Engineers	MoUD, and PTV Group, Germany	Prof. C.S.R.K. Prasad, and Dr. K.V.R. Ravi Shankar
12.	Introduction to ArcGIS Desktop and Server	23.04.13	26.04.13	Faculty, scholars	ESRI India	-
13.	Faculty Development Programme on Teaching Learning methods	11.07.13	13.07.13	Faculty	TEQIP	Dr. Ajit Kumar Kolar/ Dr. E. Prasad
14.	Teaching and Evaluation Methods for Effective Learning	15.07.13	17.07.13	faculty	TEQIP-II, NIT Warangal	Prof. B. V. Appa Rao & Prof. I. A. K. Reddy

ELECTRICAL ENGINEERING DEPARTMENT:

National

1	Wide Area Monitoring and Control of Power System using Synchrophasor Technology	13-04-12	14-04-12	Faculty	IIT, Kanpur	Prof. S.C. Srivastava and Dr. S. Chakrabarti
2	Outcome Based Accreditation Process and Parameters	23-11-12	23-11-12	Faculty	NBA	
3	Renewable Energy Source and Control	20-12-12	21-12-12	Faculty	NIT Surathkal	Dr. Gaoankar
4	Computational Intelligence and its Applications to Smart Grid	26-12-12	27-12-12	Faculty	IIT, Delhi	Prof. Sukumar Mishra
5	ISTE Short term course on Introduction to Research Methodologies (Two Weeks)	25/6/12	04/7/12	NIT Warangal Remote Centre. (more than 100 Participants)	IIT Bombay, from through National Mission on Education-I C T	Prof. B V appa Rao & Prof DVLN Somayajulu
6	Computational Intelligence Applications to Renewable Energy (One week)	09/7/2012	13/7/2012	IIT Mandi, Himachal Pradesh. (50 Participants)	IIT Mandi, Himachal Pradesh	Dr. Bhart singh Rajpurohit
7	ISTE Workshop on Akash for Education (Two days)	10/11/12	11/11/12	NIT Warangal Remote Centre. (more than 100 Participants)	IIT Bombay, National Mission on Education – I C T.	Prof. B V appa Rao & Prof DVLN Somayajulu
8	A two day Course on Hands-on Course on Digital Signal Processing using OMAP- L138 Board	17/06/13	18/06/13		M/s.Texas Instruments (I), Bangalore	
9	Faculty Development Programme on Real-Time Implementation of Power Electronic Technologies (One week)	24/6/2013	28/6/2013	Malavya NIT Jaipur	Malavya NIT Jaipur	Dr. Nitin Gupta
10	Introduction to Research Methodology	June 25, 2012	July 04, 2012	AICTE recognized Engineering College Teachers	NMEICT, MHRD, New Delhi	Prof D B Phatak; Prof Uday Gaitonde & Prof B V Appa Rao
11	ISTE workshop on Akash for Education	November 10, 2012	November 11, 2012	AICTE recognized Engineering College Teachers	NMEICT, MHRD, New Delhi	Prof D B Phatak; Prof Uday Gaitonde and Prof DVLN Somayajulu
12	Teaching Effectual Entrepreneurship	January 10, 2013	January 11, 2013	Teachers teaching Entrepreneruship Development	NRCEL, IIM Bangalore in association with SEE	Prof Saras D Sarasvathy and Prof K Kumar
13	National Symposium and Technology Exhibition on 'MicroGrids: Laboratory to Real Markets'	February 22, 2013	February 23, 2013	IEEE Hyd Section associate IEEE members and Students from Eng Colleges	IEEE Hyderabad Section	Prof D V SS Siva Sarma and Dr Mithun Bhaskar
14	Computational Intelligence Applications to Renewable Energy (One week)	09/7/2012	13/7/2012	IIT Mandi, Himachal Pradesh. (50 Participants)	IIT Mandi, Himachal Pradesh	Dr. Bhart singh Rajpurohit
15	ISTE Workshop on Akash for Education (Two days)	10/11/2012	11/11/2012	NIT Warangal Remote Centre. (more than 100 Participants)	IIT Bombay, from through National Mission on Education – I C T.	Prof. B V appa Rao & Prof DVLN Somayajulu
16	a two day Course on Hands-on Course on Digital Signal Processing using OMAP- L138 Board	17/06/13	18/06/13		M/s. Texas Instruments (India), Bangalore	
17	Faculty Development Programme on Real-Time Implementation of Power Electronic Technologies (One week)	24/6/2013	28/6/2013	Malavya NIT Jaipur	Malavya NIT Jaipur	Dr. Nitin Gupta

18	Introduction to Research Methodologies	25-06-12	04-07-12	Faculty and Research Scholars	MHRD ISTE, IIIT BOMBAY	Prof. Sowmyajulu, NIT Warangal
19	National Work shop on "teaching and Evaluation Methods for Effective Learning". (Organized by NIT Warangal)	17-07-12	19-07-12	Internal Faculty, NIT Warangal	TEQIP-Phase-II	Prof. Appa Rao, NIT Warangal
20	Work shop on "Modeling, Analysis and Control of Mechatronic Systems". (Organized by DME, NIT Warangal)	27-07-12	29-07-12	Faculty, Research scholars.	TEQIP-Phase-II	Dr. N .Venkaiah, NIT Warangal
21	Workshop on "Aakash for Education" Conducted by IIT Bombay. (Organized by NIT-Warangal.)	10-11-12	11-11-12	Internal Faculty, NIT Warangal	NMEICT (MHRD)	Prof.D.V.L.N. Somayajulu
22	Continuing Education program on "Operation of Restructured Power Systems(ORPS-2013)". (Organized by EED, NIT Warangal)	11-02-13	15-02-13	Faculty, Research scholars.	TEQIP-Phase-II	Prof. M.Sydulu, M.Sailaja Kumari
23	Workshop on "Power Control and Energy Management". (Organized by EED,NIT Warangal)	09-05-13	11-05-13	Faculty, Research scholars.	TEQIP-Phase-II	Prof. D M Vinod Kumar, Dr. B.L.Narasimharaju
24	Short Term Course on "Knowledge based systems in Engineering". (Organized by Osmania University-Hyd)	10-06-13	14-06-13	Faculty, Research scholars.	TEQIP-Phase-II	Dr. Rega Rajendra, OU
25	Teaching And Evaluation Methods For Effective Learning	15/07/13	17/07/13	For Faculty	TEQIP	Prof. Appa Rao NIT Warangal
26	Building Research and Innovation Ecosystem at NITW	16/02/13	16/02/13	For Faculty	TEQIP	Prof. N. Viswanadham
27	Akash for education	10/11/12	11/11/12	For Faculty	NMEICT (MHRD)	Prof. D.V.L.N. Somayajulu
28	Teaching and Learning for Excellence	17/07/12	19/07/12	For Faculty	TEQIP	Prof. Appa Rao NIT Warangal
29	Operation of Restructured Power System	11-02-13	15-02-13	For Faculty and Research Scholars	TEQIP	Prof: M.Sydulu, M.Sailaja Kumari
30	Introduction to Research Methodologies	25-06-12	04-07-12	For Faculty and Research Scholars	MHRD	Prof. Deepak B Phatak, IIT Bombay, Prof.B V Appa Rao, NIT Warangal
31	Building Research and Innovation Ecosystem at NITW	16-02-13	16-02-13	For Faculty	TEQIP	Prof. N. Viswanadham
32	Akash for education	10-11-12	11-11-12	For Faculty	NMEICT (MHRD)	Prof.D.V.L.N. Somayajulu
33	Teaching and Learning for Excellence	17-07-12	19-07-12	For Faculty	TEQIP	Prof. Appa Rao, NIT Warangal
34	Operation of Restructured Power System	11-02-13	15-02-13	For Faculty and Research Scholars	TEQIP	Prof: M.Sydulu, M.Sailaja Kumari
35	Introduction to Research Methodologies	25-06-12	04-07-12	For Faculty and Research Scholars	MHRD	Prof. Deepak B Phatak, IIT Bombay, Prof.B V Appa Rao, NIT Warangal
36	Building Research and Innovation Ecosystem at NITW	16-02-13	16-02-13	For Faculty	TEQIP	Prof. N. Viswanadham
37	Akash for education	10-11-12	11-11-12	For Faculty	NMEICT (MHRD)	Prof.D.V.L.N. Somayajulu
38	Teaching and Learning for Excellence	17-07-12	19-07-12	For Faculty	TEQIP	Prof. Appa Rao, NIT Warangal
39	Introduction to Research Methodologies	25-06-12	04-07-12	For Faculty and Research Scholars	MHRD ISTE, IIIT BOMBAY	Prof. Sowmyajulu, NIT Warangal
40	Teaching and Learning for Excellence	17-07-12	19-07-12	For Faculty	TEQIP	Prof. Appa Rao, NIT Warangal
41	Modelling, Analysis and Control of Mechatronic Systems	27-07-12	29-07-12	For Faculty	TEQIP	Dr. N Venkaiah, NIT Warangal

42	National Conference AECT2013, MIT Manipal, India, 7Th to 9Th February 2013.	07-02-13	09-02-13	For Faculty and Research Scholars	MIT Manipal	Dr. B K Singh & Mr. T Sudheer Kumar, MIT Manipal
43	Teaching and Learning for Excellence	17-07-12	19-07-12	For Faculty	TEQIP	Prof. Appa Rao, NIT Warangal
44	Workshop on PMBOK 4th edition	22-Dec-12	30-Dec-12	Faculty	NIT-W	PMI, Hyderabad, A.P.
45	Akash for education	10-11-12	11-11-12	For Faculty	NMEICT (MHRD)	Prof.D.V.L.N. Somayajulu
46	National symposium and technology exhibition on Microgrids: Laboratory to real markets	22nd Feb 2013	23rd Feb 2013	Faculty	CPDA	Prof. DVSS Siva Sarma,
47	Teaching and Learning for Excellence	17-07-2012	19-07-2012	For Faculty	TEQIP	Prof. Appa Rao, NIT Warangal
MECHANICAL ENGINEERING DEPARTMENT:						
National						
1	ISTE Workshop on Introduction to Research Methodologies	2012,25	4 June			Dr.N.Venkaiah
2	NMEICT Workshop on Pedagogy Projects	July 4	5,2013			Prof.A.Venugopal
3	Management Development Program for NIT Warangal	June 25	26,2013			Prof.A.Venugopal
4	Creativity & Innovation Management in Research, DST Sponsored Prog	Feb 4	8,2013			Prof.A.Venugopal
5	Akash for Education	Nov 10	11,2012			Prof.A.Venugopal
6	One Week Exclusive Training Programme on Additive Manufacturing	Jan 7	11,2013			Dr.Y.Ravi Kumar
7	A Two Week ISTE Short Term Training Program on Engineering Thermodynamics	Dec 11	21,2012			Dr.Y.Ravi Kumar
8	One month R&D Training Programme on Rapid Prototyping	June 21	July 31,2012			Dr.Y.Ravi Kumar
9	Research Methodologies	June 25	July 5,2012			Dr.Kiran Kumr K
10	Introduction to Teaching Methodologies	July 9	10,2012			
11	AAKASH Tablets	Nov 11	12,2012			Dr.Kiran Kumr K
12	Finite element Methods	Dec 19	21,2012			Dr.Kiran Kumr K
13	Three day Short Course on "Finite Element Method" by Prof. J.N Reddy (Texas A&M University, USA).	Dec 19	21,2012			Dr.R.Narasimha Rao
14	Two day ISTE Workshop on Aakash for Education under the National Mission on Education through ICT	Nov 10	11, 2012			Dr.R.Narasimha Rao
15	Two day Management Training Program	June 2013				Rapur Venkatachalam
16	Mechanical Characterzation	June 22	July22, 2012			Dr.Velagapudi Vasu
17	ISTE workshop on "Introduction to research methodology	25 June	4 July 2012			V.Rajesh Khana Raju
18	Aakash for Education	Nov 10	11,2012			V.Rajesh Khana Raju
19	ISTE workshop on "Engineering Thermodynamics	Dec 11	21,2012			V.Rajesh Khana Raju
20	Workshop on 'Additive Manufacturing'	7	11 Jan, 2012		CMTI, Bangalore	Lanka Krishnanand
21	Workshop on 'Strategic Leadership for Higher Education'	29	30 June 2013		ISB, Hyderabad	Lanka Krishnanand

22	Workshop on Engineering Thermodynamics	11	21 Dec, 2013			Dr.K.V.Sai Srinadh
23	ISTE workshop on EngineeringThermodynamics	11	21 Dec, 2012			A.Kumar
24	Finite Element Methods		Dec 2012			K.Srikanth
25	Modelling, Analysis and Control of Mechatronic System	27	29 July, 2012			K.Srikanth
26	Mehanical Characterisation	22 june	22 july 2012			Dr.V.Vasu
ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT:						
i) International						
1.	Embedded System Design based on ARM and Microblaze platforms	25th March 2013	29th March 2013	Teaching & Research persons	TEQIP -II	Dr. B.Lakshmi
ii) National						
1.	National workshop on A-VIEW	01-09-12	01-09-12	Faculty of Engineering Institutions(250)	Amrita, and NMEICT	Prof. Kamal Bijlani
2.	Aakash for Education	10-11-12	11-11-12	Faculty of Engineering Institutions(100)	ISTE-NMEICT (MHRD)	Prof. D.V.L.N Somayajulu
3.	Modern Techniques in Antenna Measurements	11-02-13	11-02-13	R&D, Faculty and Industry persons(60)	MVG,CST, and ATMS	Prof. R.K.Malaviya
4.	Analysis and Design of classical control systems IIT Bombay	June 11 2012	June 15 2012	Engineering college staff and industry	TEQIP-II	Prof. Ashok Joshi
5.	Aakash for Education	10th Nov 2012	11th Nov 2012	Faculty	ICT (MHRD)	Prof. Uday Gaitonde
CHEMICAL ENGINEERING DEPARTMENT:						
i) International						
1	Indo-European workshop on "Advanced Tools for Wastewater Treatment (AtWat)" at NIT, Tiruchirappalli, India.(PV Suresh)	28-01-13	29-01-13	Faculty, researchers, Industry personnel	Indo-European project	Dr.A.Seshagiri Rao, Dr. V.V.Ranade Dr.R.Saravanane
2	3rd International Conference on Chemical, Ecology and Environmental Sciences (ICCEES'2013) (S Srinath)	January 4, 2013	January 5, 2013	Faculty, researchers	Bali (Indonesia)	
ii) National						
1	SERC School and Symposium on Molecular Simulations (A Venu Vinod)	26.10.12	30.10.12		DST	Dr. Jayant Singh, Dept. of Chemical Engg. IIT Kanpur
2	Sono Process engineering & Reactors for Nanomaterials (Faculty attended: K Anand Kishore, S Srinath, T Sunil Kumar, P V Suresh)	23/2/13	24/2/13	Teachers	TEQIP-II	Dr. Shirish H.Sonawane
3	Introduction to Research Methodologies, (2012) (Shirish Sonawane, T Sunil Kumar)	25 June	4 July	Faculty of NITW & Institutes all over India	ISTE	IIT Bombay
4	Teaching and Learning for Excellence, Workshop (2012) (Shirish Sonawane, T Sunil Kumar)	17 July	19 July	New Faculty of NITW	TEQUIP II, NIT, Warangal	

METALLURGICAL AND MATERIALS ENGINEERING DEPARTMENT:						
NATIONAL						
1	Workshop on 'Teaching and Learning for Excellence',	17.07.12	19.07.13	NIT Faculty (3) Names of the faculty members	NIT, Warangal	NIT, Warangal
2	2 days ISTE Workshop on Aakash for Education, National Mission on Education through ICT (MHRD, Govt. of India	10.11.12	11.11.12	Faculty from various colleges(3) Names of the faculty members	MHRD	IIT, Bombay
MATHEMATICS DEPARTMENT:						
National						
1.	Workshop on "Development of Mathematics in India"	6th Feb,13	14th Feb, 13		IIT Bombay, Mumbai	Prof. J.V.Ramana Murthy
2.	Numerical Methods in Fluid Mechanics	18th Dec,13	20th Dec, 13		Thiruvanathapuram	Dr. J.Pranitha
3.	Numerical Methods in Fluid Mechanics	18th Dec,13	20th Dec, 13		Thiruvanathapuram	Dr.Bhargavi
4.	Instructional School for teachers on Functional Analysis	4th March, 13	8th March, 2013		IISc, Bangalore	Dr. T.Kurmayya
HUMANITIES AND SOCIAL SCIENCES DEPARTMENT:						
i) International						
1.	"English Language Teacher Education in a Diverse Environment"	16 March, 2013	18 March, 2013	Teachers and Educators	British Council, ELT@I and EFLU	
ii) National						
1.	"Teacher Leadership Skills" from Nov, 9 – 10, 2012	9 Nov, 2012	10 Nov, 2012	Teachers and Trainers	Indian Institute of Technology, Madras	Department of Management, IIT Madras
2.	"NPTEL WORKSHOP"	31 Aug, 2012	1 Sept, 2012	Teachers	NPTEL, IITM, NITW	Prof. Somayajulu
3.	"Introduction to Research Methodologies"	25 June, 2012	4 July, 2012		IITB	Prof. Somayajulu
4.	'Teaching and Learning for Excellence'	17 July, 2012	19 July, 2012	Induction Training Programme for New Faculty Members	TEQUIP Phase – II	Prof. Appa Rao, B. V.
COMPUTER SCIENCE AND ENGINEERING DEPARTMENT:						
National						
1	Introduction to Research Methodologies	25th June 2012	4th July 2012	Faculty of Engineering Colleges	ISTE,IIT Bombay	Deepak B.Phatak and Prof. B.V. Appa Rao
2	Teaching and Learning for Excellence	17th July 2012	19th July 2012	Faculty of NIT Warangal	TEQIP Phase-II	Prof. B.V. Appa Rao
3	Askash for Education	10th Nov 2012	11th Nov 2012	Faculty of Engineering Colleges	ISTE,IIT Bombay	Deepak B.Phatak and Prof.D.V.L.N. Somayajulu
4.	Security and Privacy Symposium (SPSymposium13)	28th Feb. 2013	2nd Mar. 2013	Faculties and Research Scholars from India	CSE, IIT Kanpur	Prof. Sanjeev K Aggarwal
5.	Teacher Leadership [Attended with Dr. KVK]	9th Nov 2012	10th of 2012	Faculties from India	Dept. of Magt. Studies, IIT Madras	Dr. M. P. Ganesh

BIOTECHNOLOGY						
National						
1	Workshop on Teaching and Learning for excellence (K.Narasimhulu and R.Satish Babu)	17th July-2012	19th July-2012	For newly joined faculty	TEQIP Phase-II	Prof.B.V.Apparao
2	ISTE 2 day workshopn on Aakash Education (K.Narasimhulu and R.Satish Babu)	10th November 2012	11 november 2012	Faculty	IIT Bombay	Prof. Deepak B Phatak
3	Introduction to Research Methodologies(R.Satish Babu)	25th June 2012	4th July 2012	Faculty	IIT Bombay	Dr. Mukta Atrey
4	Workshop on Sonoprocess Engineering & Reactors for nanomaterials (K.Narasimhulu, Dr.P.Sreenivasa Rao and R.Satish Babu)	23rd Feb 2013	24th Feb 2012	Fcaulty & Students	NIT Warangal	Dr.Shirish.H.S

3. 4 RESEARCH PUBLICATIONS/PRESENTATIONS:

CIVIL ENGINEERING DEPARTMENT:

A. Publications

i) Peer – Reviewed International Journal Publications

Sl. No.	Authors (*)	Title of the Paper	Journal Details (Journal, Year, Vol., pp)
1	Durga Madhaba Padhi & **Rama Seshu D**	Effect of Confinement on Load moment interaction behavior of RC Column	Intl. Jl. of Emerging Technology and Advanced Engineering Vol. 3, Issue 5, May 2013 pp 560 – 566
2	**Rama Seshu D** and Pratusha A	Study on Compressive Strength behavior of Normal Concrete & Self Compacting Concrete subjected to elevated temperatures (Manuscript No. MACR-D-12-00108R2)	Magazine of Concrete Research Vol 65, Issue 7, Feb., 2013 pp 415 – 421
3	K L Radhika, P Ratish Kumar, **S Venkateswara Rao** and M V Krishna Rao	Mix design methodology for fibrous self compacting concrete.	Journal of Cement Wapno Beton, Volume No.5, 2012, pp 310 – 323.
4	K L Radhika, P Ratish Kumar, **S Venkateswara Rao.**	Performance studies on standard and high strength self compacting concrete	Indian Concrete Institute, Volume No. 13, July 2012, pp 7 -12.
5	Pritanjali Shende, Tarun Kandpal, C. K. Anoop., **E V Rathnam.,** **K V Jayakumar,**	Laboratory studies on water quality assessment of groundwater of open dug wells and surface water of Lake Waddepally.	International Journal of Scientific Research, ISSN No.2277-8179, Vol.2, Issue 2, February 2013, pp66-69.
6	Babel, M.S., N.D. Chien, M. R. Akter Mullick, and **Umamahesh V Nanduri**	"*Operation of a Hydropower System considering Environmental Flow Requirements – A Case Study in La Nga River Basin, Vietnam*",	
7	Gaurav Shukla, **Shashi. M** & Kamal Jain	Decision Support system for selecting suitable site for disposing solid waste of township	International Journal of Remote Sensing and GIS, Vol 1(1), 63-74, 2012
8	Mohd. Shoab., Kamal Jain & **Shashi. M**	Development and Implementation of Web service for logging and retrieving real time train location information	International Journal of Soft Computing and Engineering, Vol 2(6), 2013
9	Reshma, **Venkata Reddy,** **Deva Pratap**	Simulation of Event Based Runoff Using HEC-HMS Model For an Experimental Watershed	International Journal of Hydraulic Engineering (e-ISSN: 2169-9801)
10	**S.Venkateswara Rao** and **P. Rathish Kumar**	Durability Performance of Self Compacting Concrete	Magazine of Concrete Research, Vol. 64, Issue 11, November 2012, pp 1005-1013.
11	M.L.V.Prasad and **P. Rathish Kumar**	Moment-Curvature Relationship of Glass Fiber Reinforced Self Comapcting Recyceld Agreggate Concrete	Vol.7 No. 2 A, International Journal of Environmental Research and Development, ISSN: PARIS ISSN 0973-6921, Oct-Dec 2012, pp 1061-1070.



लैब स्केल फेरमेन्टर
Lab Scale Fermenter



मशीन का प्रयोगशाला
Machines Laboratory

12	**P. Rathish Kumar**	A study on the behaviour of high performance ferrocement composite under biaxial state of stress	Vol.59, No. 1-2, 2011, Building Research Journal, ISSN 1335-8863 pp 25-38.
13	**P. Rathish Kumar**, Toshiyuki Oshima, S. Mikami, T.Yamazaki	Detection and localization of small damages in a real bridge by local excitation using piezoelectric actuators	Journal of Civil Structural Health Monitoring, September 2012, Vol. 2, Issue 2, pp 97-108, Spinger Link Publishers
14	**P. Rathish Kumar** K.L. Radhika	Mix Design Methodology for fibrous self compacting concrete based on Compressible Packing Model (CPM)	International Journal of Cement Wapno Beton, Vol.5, MARZEC-KWIECIEN 2012, ISSN-1425-8129, pp 310-323
15	**P. Rathish Kumar**, Toshiyuki Oshima, Shuichi Mikami, Yasunouri Miyamouri and Toshiyuki Yamazaki,	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, Vol 8, Issue 8, 2012, pp 715-727.
16	**P. Rathish Kumar**	A study on the Effect of Size of Aggregate on the Strength and Sorptivity Characteristics of Cinder based Light Weight Concrete	Research Journal of Engineering Sciences, Vol. 1(6), 1-4 December 2012, pp 1-9, ISSN 2278-9472, International Science Congress Association.
17	**V. Ramana Murty, P. Hari Kirhsna**	Piled footings – An alternative foundation system in expansive soils	Ground Improvement, ICE, Vol.165, Issue 413 August 2013; pp:159-166

* ***Name of the Faculty of the Department to be emboldened***

ii) Peer – Reviewed National Journal Publications

Sl. No.	Authors (*)	Title of the Paper	Journal Details (Journal, Year, Vol., pp)
1	Chitrini Mozumder, K. Venkata Reddy and **Deva Pratap**	Air Pollution Modeling from Remotely Sensed Data Using Regression Techniques	Journal of the Indian Society of Remote Sensing DOI 10.1007/s12524-12-0235-2
2	Y. Navatha, **K. Venkata Reddy**, D.C Prashath Babu, A. Jayatheja	Development of 3D Rural Geospatial Database Using High Resolution Satellite Images, GIS, Total Station and GPS	Journal of Geomatics (India) Vol.6 No.2 October 2012
3	Salah, Amar Kumar and **P. Rathish Kumar**	A study on the factors influencing Load Transfer Efficiency in Concrete Block Pavements	The Indian Concrete Journal, Vol 86, No. 10, October 2012, pp 17-24.
4	M.L.V.Prasad, K.L.Radhika and **P.Rathish Kumar**	Performance Studies on Standard and High Strength Self Compacting Concrete	Journal of Indian Concrete Institute, Vol 13, No.2 July-September 2012 pp 7-12.
5	P. Hari Krishna and V. Ramana Murty	Pull out capacity of Granular Anchor Piles in Expansive Soils	IOSR Journal of Mech. + Civil Engg., Vol:5, Issue 1; Jan-Feb 2013; pp: 24 – 31
6	Salah Sober Thameel, **D.S.N.V Amar Kumar** and P.Rathish Kumar	A Study on the Factors Influencing Load Transfer Efficiency in Concrete Block Pavements	Indian Concrete Journal, Vol. 86, No. 10, 17-24,2012

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B. Presentations in Conference / Symposia etc.,

i) International Presentations

Sl. No.	Authors (*)	Title of the Paper	Oral / Poster	Event Details (Event, Place, Dates)
1.	**CSRK Prasad**	India ITS Policy Issues	Oral	92nd Annual Meeting of TRB, Washington; 13-17 Jan 2013
2.	**CSRK Prasad**	Indian Transportation: Present & Future	Oral	92nd Annual Meeting of TRB, Washington; 13-17 Jan 2013
3.	**CSRK Prasad**	Public Transportation Improvement	Oral	International Symposium on "Mobility & Urban Structure", El Gouna, Egypt, 22-24 Feb2013.
4.	**Hari Prasad Reddy, P., Hari Krishna, P.**, and Rajasekhar, D.	Fly Ash to Control the Effects of Alkali in Soils	Oral	*5th International Congress at Environmental Research (ICER_2012)*, Kuala Terengganu, Malaysia, November 22-24, paper No. T-014.
5.	Mohd Shoab., Kamal Jain., **Shashi, M** and Mohd Anul Haq	Development of Field GIS Data Collection tool for Smartphones	Oral	International Symposium on Mobile Mapping Technology, Tainan, Taiwan, May 1-3, 2013
6.	M.L.V.Prasad and **P.Rathish Kumar**	A Study on Tie Confined Glass Fiber Reinforced Self Compacting Recycled Aggregate Concrete	Oral	International Conference on Sustainability Challenges and Advances in Concrete Technology (SCACT), Coimbatore, Tamil Nadu, India, May 2 to 4th, 2012.

7.	M.L.V.Prasad and **P.Rathish Kumar**	A Study on Tie Confined Glass Fiber Reinforced Self Compacting Concrete	Oral	International Conference on Recent Advances in Engineering, Technology and Management (SPICON2012), Mumbai, Maharashtra, India, May 31 to June 02, 2012.
8.	K.L.Radhika and **P.Rathish Kumar**	Compressible Packing Model-A method to estimate packing density in self compacting concrete	Oral	International Conference on Sustainability Challenges and Advances in Concrete Technology, (SCACT), Coimbatore, Tamil Nadu India, May 2 to 4th, 2012.
9.	**P. Hari Krishna & V. Ramana Murty**	Anchored Granular Piled footings – An effective foundation in Swelling soil beds	Oral	First annual conference on Architecture + Civil Engg., Singapore, 17 – 19 March 2013.
10.	**P. Hari Krishna & V. Ramana Murty**	"Improvement of Murrum Soils for their use in Pavement Construction"	Oral	Proc. of 1st Annual Int. Conf. on Architecture and Civil Engg. (ACE, 3013), pp. 78-87, Singapore.
11.	**P. Hari Krishna & V. Ramana Murty**	"Field Studies on Remedial Techniques in Expansive Soils"	Oral	Proc. of 1st Annual Int. Conf. on Architecture and Civil Engg. (ACE, 2013), pp. 68-77, Singapore.

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ii) National Presentations

Sl. No.	Authors (*)	Title of the Paper	Oral / Poster	Event Details (Event, Place, Dates)
1	Jayatheja A, CSRK Prasad and Markus Sator	Optimisation of Hyderabad Bus Network using VISUM	Oral	5th Urban Mobility India Conference, New Delhi, 4-7 Dec 2012
2	Ramkumar, CSRK Prasad and Reith	Corridor Improvement using VISSIM Microsimulation Tool	Oral	5th Urban Mobility India Conference, New Delhi, 4-7 Dec 2012
3	**D. Rama Seshu**	Bond Strength of SCC	Oral	National conference on SCMAT, NITW March 15-16, 2013.
4	C K Anoop., **E.V Rathnam,** A. Shahul Hameed, and **K V. Jayakumar.**	Lake water quality and its interaction with aquifers in Warangal city	Oral	National conference on conservation and management of wetland ecosystem (LAKE 2012), Mahatma Gandhi University, Kottayam, Kerala, Nov., 6-8, 2012.
5	Ruben.N., and **E.Venkata Rathnam**	Computation of water hammer pressure heads in pipeline systems	Oral	National Conference on Computational and Applied Mathematics in Science and Engineering, (CAMSE-2012), VNIT, Nagpur, Dec., 21-22, 2012.
6	Ashitha M K, Pragath M, Girish Gopinath and **K V Jayakumar**	Potential of Satellite data in identification of shoreline changes and effect of port structures on coastal morphology along Central Kerala.	Oral	National seminar on "coastal zone – processes, resources & social relevance"-CUSAT, Cochin, Kerala
7	**Ramana Murthy, V., Hari Krishna P., Hari Prasad Reddy, P**	Swell – shrink behavior of bentonite permeated with inorganic salt solutions	Oral	*Proceeding of Indian Geotechnical Conference*, Delhi, India, December 13-15, paper No. A 102
8	Mohd Shoab., Kamal Jain., Anulhaq, M and **Shashi, M**	Development and Implementation of NMEA Interpreter for Real Time GPS Data Logging	Oral	3rd IEEE International Advance Computing Conference (IACC-2013), Ajay Kumar Garg Engineering College, Ghaziabad, India. February 22-23, 2013
9	K.Venkata Reddy, **Deva Pratap**, T Reshma, V. Revanth	Application of SWAT Model in Runoff Simulation of DMIP 2 Watersheds	Oral	2012 International SWAT conference, July 18-20, 2012, New Delhi, India
10	*T RESHMA, K.VENKATA REDDY, DEVA PRATAP*	Simulation of Sub-Daily Runoff for an Indian Watershed Using SWAT Model	Oral	2012 International SWAT conference, July 18-20, 2012, New Delhi, India
11	Y. Navatha, K. Venkata Reddy, **Deva Pratap**, Hemendra Babu, and Mallikarjuna	Planning of Infrastructural Facilities of a Rural Area Using Geospatial Database	Oral	National Seminar on Sustainable Development of Rural India by 2022 at NITTTR, Chandigarh, 7-8 March 2013

12	**K.V.R. Ravi Shankar** and Tom V. Mathew	Next Generation Traffic Flow Simulation Modeling	Oral	TSE Silver Jubilee International Conference on Transportation Planning and Implementation Methodologies for Developing Countries, Transportation Systems Engineering Group, Department of Civil Engineering, IIT Bombay, December 12-14, 2012
13	M.L.V.Prasad and **P.Rathish Kumar**	Stress-Strain Relationships of Fiber Reinforced Self Compacting Recyceld Agrgegate Concrete	Oral	"National Conference on Sustainable Construction Materials and Technologies (SCMAT 2013), organised by the Department of Ciivl Engineering, NIT Warangal during 15-16 March, 2013, pp 69-76.
14	M.V.Krishna Rao and **P.Rathish Kumar**	Developing Standard grade Self Compacting Concrete using belnded cements	Oral	National Conference on Advances in Earth sciences, Structural, Geotechnical and Earthquake Engineering (AEG2E-2012)", Organised by Department of Civil Engineering, CBIT, Hyderabad.
15	**P.Rathish Kumar**	Vibration based technique for damage detection at multiple locations in Reinforced Concrete Structures	Oral	National Conference on Advances jn Earth sciences, Structural, Geotechnical and Earthquake Engineering (AEG2E-2012)", Organised by Department of Civil Engineering, CBIT, Hyderabad.
16	Varma, Amar Kumar and **P.Rathish Kumar**	Load Transfer Efficiency of Concrete-Flyash Blocks	Oral	National Conference on Sustainable Construction Materials and Technologies (SCMAT 2013), organised by the Department of Ciivl Engineering, NIT Warangal during 15-16 March, 2013, pp 84-94.
17	K.L.Radhika and **P.Rathish Kumar**	Mix Design Methodology for Self Compacting Concretes based on Compressible Packing Model	Oral	National Conference on Sustainable Construction Materials and Technologies (SCMAT 2013), organised by the Department of Civil Engg., NIT Warangal during 15-16 March, 2013, pp 109-115.
18	M.L.V.Prasad and **P.Rathish Kumar**	Analytical Stress-Strain model for Tie Confined Self Compacting Recycled Aggregate Concrete	Oral	National Conference on Sustainable Construction Materials and Technologies (SCMAT 2013), organised by the Department of Civil Engg., NIT Warangal during 15-16 March, 2013, pp 140-144.
19	**Mohammad Ali,** Ms.V. Bhavita Chowdary, Mr. VSJ Yeshwant Paluri, Mr. Sudheer Kumar Y	A Study on desiccation and hydraulic conductivity of modified Bentozite amended with Flyash and Silica Fume	Oral	National Conference on "Recent advances in geo-sciences, Engg. & Technology" – JNTU, Kakinada 20th & 21st Dec 2012.
20	**P. Hari Krishna & V. Ramana Murty**	Combined Influence of Granular Anchor Piles & Cushion as heavy of flooring panels resting on expansive soils	Oral	IGC-2013; IIT Delhi December 2012
21	**P. Hari Krishna & V. Ramana Murty**	"Swell- Shrink Behaviour of Bentonite Permeated with Inorganic Salt Solutions"	Oral	Proc. of IGC – 12, Vol. II, pp. 868-871, New Delhi.
22	**P. Hari Krishna & V. Ramana Murty**	"Combined Influence of Anchored Granular Piles and Cushions on Heave of Flooring Panels resting on Expansive Soils"	Oral	Proc. of IGC-2012, pp.580-583, New Delhi.
23	Kolusu Bhargavi, Venkaiah Chowdary, **D.S.N.V. Amar Kumar**	Influence of Zero Shear Viscosity of Asphalt Binder on The Permanent Deformation Characteristics of Asphalt Mixes	Oral	National Students Conference on Recent Advancements in Civil Engineering (RACE-2012), 24-25 August 2012, K.L. University, Vaddeswaram, Guntur District. Andhra Pradesh
24	M. Rajesh Chari, Utsav Vishal & **D.S.N.V. Amar Kumar**	Strength Properties of Subgrade Soils Reinforced with Treated and Untreated Coir Geotextiles	Oral	National Students Conference on Recent Advancements in Civil Engineering (RACE-2012), 24-25 August 2012, K.L. University, Vaddeswaram, Guntur District. Andhra Pradesh

* ***Name of the Faculty of the Department to be emboldened***

ELECTRICAL ENGINEERING DEPARTMENT:

A. Publications

ii) Peer – Reviewed International Journal Publications

S. No.	Authors (*)	Title of the Paper	Journal Details(Journal, Year, Vol., pp)
1	J. Vijaya Kumar, **D.M. Vinod Kumar** and K. Edukondalu	Strategic Bidding using Fuzzy Adaptive Gravitional Search Algorithm in a Pool based Electricity Market	Applied Soft Computing, Elsevier Publications. 2013
2	J. Vijaya Kumar, **D.M. Vinod Kumar**	Optimal Biddng Strategy in a Pool type Electricity Market using Bacterial Foraging Algorithm	Journal of Electrical Systems 2012 Vol. 8 No.3 pp. 328-337
3	J. Vijaya Kumar, **D.M. Vinod Kumar and** K. Edukondalu	Bidding Strategies for Generation Companies in a Day-ahead Market using Fuzzy Adaptive Particle Swarm Optimization	WSEAS Transactions on Power Systems, 2012, Vol. 7, No. 3, pp. 136-144.
4	J. Vijaya Kumar, **D.M. Vinod Kumar**	A Literature Review on strategic Bidding in an open Access Electricity Market	International Review on Modelling and Simulation, 2012, Vol. 5 No. 4, pp. 1828 – 1837
5	J. Vijaya Kumar, **D.M. Vinod Kumar** and K. Edukondalu	Unit Commitment based Bidding Strategies for Generation Companies using Adaptive Fuzzy Particle Swarm Optimization	International Journal of Energy, 2012, Vol. 6 No. 2, pp. 73-80
6	G. Sunil Kumar, **D.V.S.S. Siva Sarma**	Impedance Modelling of Adjustable Speed Drive Systems for Harmonic analysis using Kalman Filtering Algorithm & Its Experimental Verification	International Review of Electrical Engineering (IREE). (Accepted for Publication in June, 2013 edition)
7	Barry Venugopal Reddy,**Veeramraju Tirumala Somasekhar**	A Dual Inverter Fed Four-Level Open-End Winding Induction Motor Drive With a Nested Rectifier-Inverter	IEEE Transactions on Industrial Informatics, VOL. 9, NO. 2, May 2013, pp. 938-946
8	S.Porpandiselvi and **N.Vishwanathan,**	Inverter Configuration for Simultaneous Dual Frequency Induction Hardening with Independent Control	European Power Electronics and Drives Journal, Vol. 23, No.1, pp.13-20, March 2013.
9	M. Ajay kumar, N. V. Srikanth	Modeling and simulation of SVPWM based vector controlled HVDC Light systems	Leonardo Electronic Journal of Practices and Technologies, Vol. 11, No.21, pp. 23-36, July-December 2012
10	M. Ajay kumar, K. U. Archana, **N. V. Srikanth**	HVDC Light Systems: an Overview	International Review on Modeling and Simulations (IREMOS), Italy, ISSN 1974-9821, Vol 5, No 5, pp 1951-1958, Oct 2012
11	R S Dhekekar, **N V Srikanth**	A Digital control of Static VAR Compensator with Field Programmable Gate Array	International journal of Reconfigurable and Embedded systems (IJRES), ISSN 2089-4864, JUNE 2012
12	D Harikrishna, **N V Srikanth**	Dynamic Stability Enhancement of Power Systems using ANN Controlled SVC	TELKOMNIKA Indonesian Journal of Electrical Engineering, ISSN 1693-6930, Vol 10, no, 1, April 2012
13	R S Dhekekar, **N V Srikanth**	ANN Controlled VSC-STATCOM with Hormonic reduction for VAR compensation	International Journal of power electronics and drives system, ISSN 2088-8694, Vol 2, no 1. Pp '6-84, March 2012
14	T. Vinay kumar & **S. Srinivasa Rao**	Modeling and Simulation of Direct Torque Controlled Induction Motor Drive using Slip Speed Control	International Journal of Modeling and Simulation, Canada, Vol. 33, Issue 2, June 2013. ACTA Press,Canada
15	M.Murali, **M.Sailaja Kumari, M.Sydulu**	A Genetic Algorithm based Security Constrained Economic Dispatch Approach for LMP Calculation	International Journal of Energy Science, Science and Engineering Publishing Company, vol3, no.2, pp.116-126, April-2013.
16	M.Murali, **M.Sailaja Kumari, M.Sydulu**	LMP Calculation with Distributed Loss using GA based DCOPF	Journal of Electrical Systems, vol.8, no.3, pp.292-307, September-2012
17	M.Murali, P.Sridivya, **M.Sailaja Kumari, M.Sydulu**	Transmission Fixed Cost Allocation using Game Theory in Multilateral Transactions of Restructured Electricity Market	International Review of Electrical Engineering, Praise worthy Prize Publication, ITALY, vol8, no.1, pp.388-394, Feb- 2013
18	M.Murali, P.Sridivya, **M.Sailaja Kumari, M.Sydulu**	Transmission Loss Cost Allocation Using Game Theory in multilateral framework	International Review of Electrical Engineering, Praise worthy Prize Publication, ITALY, vol.7, no.4, August- 2012

19	M.Murali, B.Ramesh Kumar, **M.Sailaja Kumari, M.Sydulu**	Hydrothermal Coordination for Short Range Fixed Head Stations using Fast Genetic Algorithm	Electrical and Computer Engineering: An International Journal, Wireilla Scientific Publications, AUSTRALIA, vol2, no.1, pp.1-15, March- 2013.
20	**Y.Chandrasekhar, M.Sydulu, M.Sailaja Kumari**	Multiobjective Optimization for Optimal Placement and Size of DG using Shuffled Frog Leaping Algorithm	Energy Procedia Elsevier publications, Volume 14, 990 – 995, March, 2012.
21	**Y.Chandrasekhar, M.Sydulu, M.Sailaja Kumari**	Optimal Placement of Multi DGs in Distribution System with Considering the DG Bus Available Limits	International Journal of Energy and Power, Scientific and Academic Publishing House, USA, Vol-2,Issue1, 18-23, March 2012.
22	**S.Porpandiselvi** and N.Vishwanathan,	Inverter Configuration for Simultaneous Dual Frequency Induction Hardening with Independent Control	European Power Electronics and Drives Journal, Vol. 23, No.1, pp.13-20, March 2013.
23	**B.Nagu,** P.V.Ramana Rao, M.Sydulu	Improvement of A C System Stability using Fuzzy Logic based HVDC Controls'	International Journal of Electrical Engineering and Advanced Technology (IJEAT), ISSN:2249-8958,Vol.2 No.4, pp.65-72, April 2013.(Impact Factor: 1.0)
24	**B.Nagu,** P.V.Ramana Rao, M.Sydulu	Improvement of Power System Stability Using Artificial Neural Network based HVDC Controls	Majlesi Journal of Electrical Engineering (MJEE), ISSB: 2008-1413, Vol. 7 No. 2, June 2013.
25	**B.Nagu,** P.V.Ramana Rao, M.Sydulu	Enhancement of Power System Stability Using Self organized Neuro Fuzzy based HVDC Controls	American Journal Of Electrical Power and Energy Systems, Science PG, Vol.2 No.4, pp. 98-105, July 2013
26	**Narasimharaju B. L,** S.P. Dubey, & S. P. Singh	*Design and Analysis of Coupled Inductor Bidirectional DC-DC Convertor for High Voltage Diversity Applications	IET Power Electron., 2012, Vol. 5, Iss. 7, **pp. 998–1007.**
27	**P. Suresh Babu,** S.V. Jayaram Kumar, PRK Chaitanya	Voltage Sag Immunizer for AC Contactors	International Journal of Automation and Power Engineering, ISSN Online: 2161-5055 , Vol.1, No.6, September 2012, pages: 164-168.
28	**P. Suresh Babu,** S.V. Jayaram Kumar, PRK Chaitanya	Adaptive Protection of DG installed Distribution System with Novel Voltage Relaying Technique	* International Journal of Micro and Nano Systems, ISSN: 0975-3494, Vol.4 No.2 July-December 2013, pp. 93-105 , International Science Press, (India).

* ***Name of the Faculty of the Department to be emboldened***

ii) **Peer – Reviewed National Journal Publications**

S. No.	Authors (*)	Title of the Paper	Journal Details (Journal, Year, Vol., pp)
1	C.Venkatesh, **D.V.S.S.Siva Sarma**	Detection of Power Quality Disturbances using Phase corrected Wavelet Transform	Journal of Institution of Engineers(India) Vol.93,No.1, March 2012, pp-37-42.

* ***Name of the Faculty of the Department to be emboldened***

B. Presentations in Conference / Symposia etc.,

i) International Presentations

S. No.	Authors (*)	Title of the Paper	Oral / Poster	Event Details (Event, Place, Dates)
1	NagothuKeerthiSudha, ArrojuMounica and **Maheswarapu Sydulu**	Improved genetic and Harmony Search Algorithms for single and multi stage expansion planning of power system	Oral	Power Engineering and Optimization Conference (PEOCO), 2013 IEEE 7th International ,Digital Object Identifier:10.1109/PEOCO.2013.6564605 Publication Year: 2013 , Page(s): 529 – 534
2	Murali, M. ; Divya, P.S. ; **Kumari, M.S. ; Sydulu, M.**	Distribution of loss cost using proportional nucleolus method in competitive power markets	Oral	Energy Efficient Technologies for Sustainability (ICEETS), 2013 International Conference on ,Digital Object Identifier: 10.1109/ICEETS.2013.6533531, Publication Year: 2013 , Page(s): 1046 – 1051

3	Nagothu, KeerthiSudha ; Arroju, Mounica ;**Maheswarapu, Sydulu**	A novel approach to sustainable Power System Expansion planning with inclusion of Renewable Energy	Oral	Power Engineering and Optimization Conference (PEOCO), 2013 IEEE 7th International, Digital Object Identifier:10.1109/PEOCO.2013.6564606, Publication Year: 2013 , Page(s): 535 – 539
4	Rani, D.S. ; **Subrahmanyam, N. ; Sydulu, M.**	Self adaptive harmony search algorithm for optimal capacitor placement on radial distribution systems	Oral	Energy Efficient Technologies for Sustainability (ICEETS), 2013 International Conference on ,Digital Object Identifier: 10.1109/ICEETS.2013.6533580, Publication Year: 2013 , Page(s): 1330 – 1335
5	Kumar, T.P. ; **Subrahmanyam, N. ; Sydulu, M.**	Unit power control and feeder flow control strategies for a grid-connected hybrid system,	Oral	Power, Energy and Control (ICPEC), 2013 International Conference on Digital Object Identifier: 10.1109/ICPEC.2013.6527750,Publication Year: 2013 , Page(s): 722 – 727
6	Chandra, D.R. ; **Kumari, M.S. ; Sydulu, M.**	A detailed literature review on wind forecasting	Oral	Power, Energy and Control (ICPEC), 2013 International Conference on ,Digital Object Identifier: 10.1109/ICPEC.2013.6527734, Publication Year: 2013 , Page(s): 630 – 634
7	**Yammani, Chandrasekhar ; Maheswarapu, Sydulu ;Matam, SailajaKumari**	Optimal placement and sizing of DER's with load models using BAT algorithm	Oral	Circuits, Power and Computing Technologies (ICCPCT), 2013 International Conference on ,Digital Object Identifier: 10.1109/ICCPCT.2013.6528945, Publication Year: 2013 , Page(s): 394 – 399
8	Murali, M. ;**Kumari, M.S. ; Sydulu, M,** .	LMP based electricity market simulation using genetic algorithm,	Oral	Industrial Electronics and Applications (ICIEA), 2012 7th IEEE Conference on Digital Object Identifier: 10.1109/ICIEA.2012.6360920, Publication Year: 2012 , Page(s): 1285 – 1290
9	Ramesh Kumar, B. ;Murali, M. ; **SailajaKumari, M. ;Sydulu, M,** .	Short-range fixed head hydrothermal scheduling using Fast genetic algorithm	Oral	Industrial Electronics and Applications (ICIEA), 2012 7th IEEE Conference on ,Digital Object Identifier: 10.1109/ICIEA.2012.6360925, Publication Year: 2012 , Page(s): 1313 – 1318
10	Lalitha, S.V.N.L. ; **Sydulu, M.**	Zbus Based Transmission Loss Allocation in the Multiple Transaction Frame-Work,	Oral	Power and Energy Engineering Conference (APPEEC), 2012 Asia-Pacific, Digital Object Identifier: 10.1109/APPEEC.2012.6307520, Publication Year: 2012 , Page(s): 1 – 4
11	Potabattula, S. ; Matcha, M. ; **Kumari, M.S. ; Sydulu, M.**	Congestion cost allocation using game theory in multilateral framework,	Oral	Power and Energy (PECon), 2012 IEEE International Conference,Digital Object Identifier: 10.1109/PECon.2012.6450217,Publication Year: 2012 , Page(s): 251 – 255
12	Rani, D.S. ; **Subrahmanyam, N. ; Sydulu, M.**	Improved Music Based Harmony Search algorithm for Optimal Network Reconfiguration	Oral	India Conference (INDICON), 2012 Annual IEEE,Digital Object Identifier: 10.1109/INDCON.2012.6420768, Publication Year: 2012 , Page(s): 1030 – 1035
13	Divya, P.S. ; Murali, M. ; **Kumari, M.S. ; Sydulu, M.**	Embedded cost allocation methods using game theory	Oral	Advances in Power Conversion and Energy Technologies (APCET), 2012 International Conference on ,Digital Object Identifier: 10.1109/APCET.2012.6302038, Publication Year: 2012 , Page(s): 1 – 6
14	Lalitha, S.V.N.L. ; **Sydulu, M.**	Application of Music Based Harmony Search Algorithm for Transmission Loss Allocation in Electricity Markets	Oral	Intelligent Systems, Modelling and Simulation (ISMS), 2012 Third International Conference on ,Digital Object Identifier: 10.1109/ISMS.2012.104, Publication Year: 2012 , Page(s): 504 – 509
15	G. Sunil Kumar, T. Ravi Kumar and **D.V.S.S. Siva Sarma**	Implementation of Kalman filtering algorithm for Harmonic Load Impedance modelling of Electrical loads with Experimental Verification	Oral	INDICON-2012, Rajagiri School of Engineering & Technology, Kochi (Kerala), on Dec., 7th – 9th, 2012.
16	G. Sunil Kumar, T. Ravi Kumar and **D.V.S.S. Siva Sarma**	Harmonic Load Impedance modelling of Television Set using Kalman filtering algorithm	Oral	Asia-Pacific IEEE International Conference on Postgraduate Research in Microelectronics & Electronics (PRIMEASIA-2012), BITS-Pilani, Hyd Campus, Hyderabad, Dec., 5th – 7th, 2012.
17	**N Subrahmanyam,** T Praveen Kumar and **M Sydulu**	Control strategies for a grid connected hybrid energy system	Oral	IEEE TENCON SPRING 2013, Sydney, Australia, April 17th-19th 2013

18	**N Subrahmanyam,** T Praveen Kumar and **M Sydulu**	Unit power pontrol and feeder flow control strategies for a grid connected hybrid system	Oral	IEEE ICPEC 2013, Chennai Tamilnadu, Feb 6th-8th.
19	B.Vijay Kumar **N.V.Srikanth**	Design And Analysis of Fuzzy Logic Based Supplementary Damping Controller For UPFC	Oral	International Conference on Computation of Power, Energy, Information and Communication. Chennai. April 17-18, ICCPEIC-2013.
20	M. Ajay kumar, and **N. V. Srikanth**	Performance of SVPWM based vector controlled HVDC Light Transmission System under Balanced fault condition	oral	IEEE Power and Energy Conference at Illinois(PECI) , Feb 22-23, pp.194-199, Illinois, USA,2013
21	M. Ajay kumar, and **N. V. Srikanth**	A Comparative study of SPWM and SVPWM controlled HVDC Light systems	oral	IEEE international conference on Power, Energy & Control (ICPEC), pp.591-595, Chennai, 2013.
22	M. Ajay kumar, **N. V. Srikanth**, D. Hari Krishna, K U Archana	Transient stability assessment of a multi machine power system	Oral	RITS international conference on advancements in Engineering and Management, Hyderabad, Feb 28-29, 2012.
23	**S. Jain** and Vivek Agarwal	High Gain, High Efficiency DC-DC Converter with Soft Switching Feature	Poster	IEEE conference of PVSC-2012, pp-1428-1433
24	Rupesh G. Wandhare, **Sachin Jain** and Vivek Agarwal	New Topologies for Split Photovoltaic Sources for Single Phase and Three Phase Standalone Loads	Oral	APEC 2013.
25	**Narasimha Raju, B. L** Raveendhra, Dogga; Thakur, Padmanabh;	"Design and small signal analysis of solar PV fed FPGA based Closed Loop control Bi-Directional DC-DC converter,"	Oral	Circuits, Power and Computing Technologies (ICCPCT), 2013 International Conference on , 20-21 March 2013, Nagercoil, TN.
26	Sagar S. Hujare, **A. Kirubakaran**	Zero Voltage Switching Floating Output High Gain Interleaved DC-DC Converter	Oral	IEEE iMac4s 2013,Kerala, Mar. 22-23,2013
27	Jacob James Nedumgatt, **A.Kirubakaran**	Design and Simulation of a Low Cost Multilevel Inverter for Green Power Applications	Oral	SET Conference, VIT University,2012,pp.1-9
28	Jammy Ramesh Rahul, **A.Kirubakaran,** D.Vijayakumar	A New Multilevel DC-DC Boost Converter for Fuel Cell Based Power System	Oral	IEEE SCEES2012,MANIT,Bhopal Mar. 1-2,2012,pp. 1-5

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ii) National Presentations

S. No.	Authors (*)	Title of the Paper	Oral / Poster	Event Details (Event, Place, Dates)
1	J. Vijaya Kumar, **D.M. Vinod Kumar**	Suppliers Bidding Strategy in a Single Auction Power Pools using Varying Population based Bacterial Foraging Algorithm	Oral	17th National Power Systems Conference (NPSC), December, 12-14, 2012, IIT, BHU, Varanasi, India
2	K. Vijetha and **D.V.S.S. Siva Sarma**	Adaptive Relaying of Radial Distribution system with Distributed Generation	Oral	17th International Conference on Power Systems (NPSC-2012), Indian Institute of Technology (BHU), Varanasi, December 12th -14th, 2012.
3	Vinay Kumar, **S.Srinivasa Rao**	Improved Direct Torque Control Method for Induction Motor Drive under Low Speed Operation	Oral	17th National Power Systems Conference, IIT(BHU) Varanasi, 12 – 14, Dec. 2012
4	M.Murali, **M.Sailaja Kumari, M.Sydulu**	Effect of Congestion in Transmission Pricing for a Pool based Power Market considering Losses	Oral	17th National Power Systems Conference, IIT(BHU) Varanasi, 12 – 14, Dec. 2012
5	**Y.Chandrashekar,M. Sailaja Kumari, M. Sydulu**	Optimal Placement and Sizing of DER's with Load variations using Shuffled Frog Leap Algorithm	Oral	17th National Power Systems Conference, IIT(BHU) Varanasi, 12 – 14, Dec. 2012
6	**Narasimharaju B. L**	Nonlinear Loads and Harmonics Role in Power Quality Issues	**Oral**	National Conference AECT2013, MIT Manipal, India, 7th - 9th February 2013.

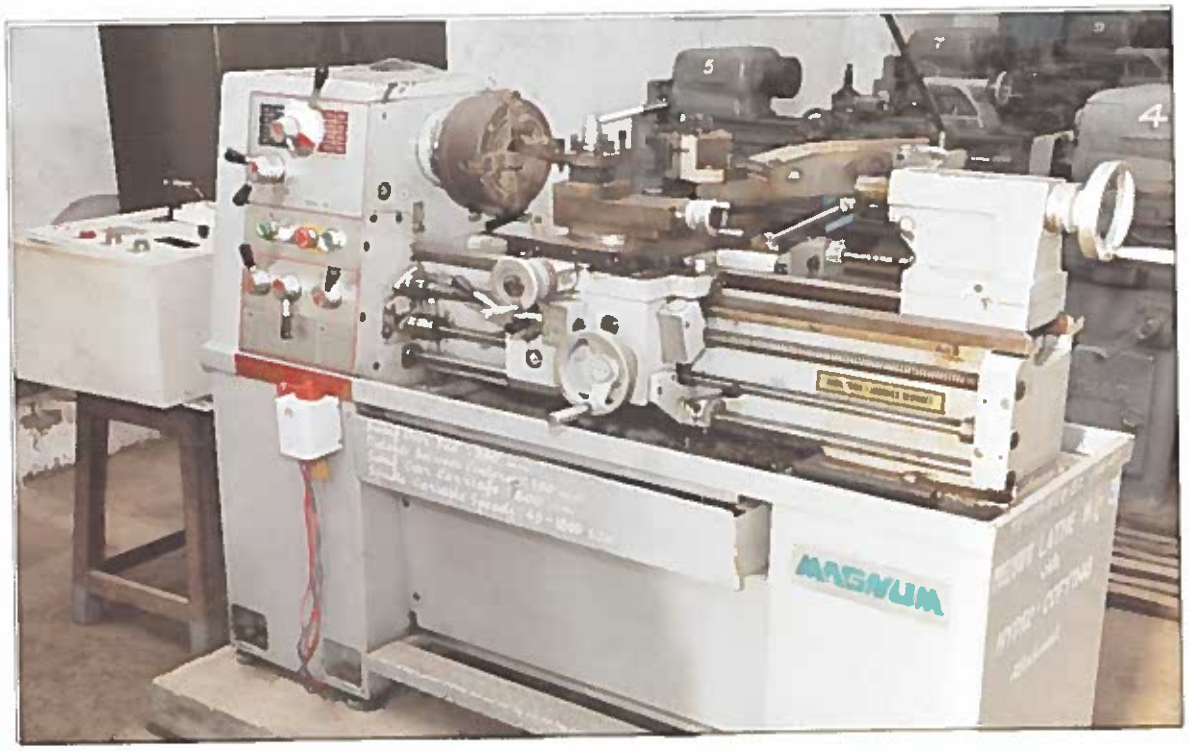
* ***Name of the Faculty of the Department to be emboldened***

MECHANICAL ENGINEERING DEPARTMENT:

A. Publications

i) Peer – Reviewed International Journal Publications

S. No.	Authors (*)	Title of the Paper	Journal Details (Journal, Year, Vol., pp)
1	SatyanarayanaKosaraju, **VenuGopal Anne** and BangaruBabuPopuri	"Online tool condition monitoring in turning Titanium (Grade 5) using Acoustic Emission: Modeling", International Journal of Advanced Manufacturing Technology"	International Journal of Advanced Manufacturing Technology, ISSN No 0268-3768, Vol No: 63, number 9-12, (2012).
2	SatyanarayanaKosaraju, **VenuGopal Anne** and BangaruBabuPopuri,	"Design Optimization of Machining Parameters for Turning Titanium Alloys with Taguchi-Grey Method"	International Journal of Machining and Machinability of Materials. Int. J. Machining and Machinability of Materials, Vol. 13, Nos. 2/3, (2013). Pp 191-202,
3	SatyanarayanaKosaraju, **VenuGopal Anne** and BangaruBabuPopuri,	, "Analysis for Optimal Decisions on Turning Ti6Al4V with Taguchi-Grey Method"	Journal of Mechanical Engineering Science, Sage Publications. Online edition:DOI 10.1177/0954406213480599 (SCI Journal)
4	SatyanarayanaKosaraju, **VenuGopal Anne** and BangaruBabuPopuri	"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
5	SatyanarayanaKosaraju, **VenuGopal Anne** and BangaruBabuPopuri,	"Experimental Investigations and Modeling of Machining Titanium Alloy – Ti-6Al-4V"	Journal of Applied Mechanics and materials. Vols. 315, (2013)pp 562-566.
6	**SadasivaRao T,** Satyanarayana K, Praneeth Y and A.Venu Gopal	"Studies on the Effect of Approach Angle and Process Parameters in Face Milling"	Journal of Applied Mechanics and Materials, Vols. 110-116 (2012), pp.147-3155.
7	**Ravi Kumar, Y.**	An Application of Taguchi's Technique to Improve the Accuracy of Rapid Prototyped FDM Parts	International Journal of Materials Engineering Innovation 2012, 3(3/4), pp. 228-246
8	**Ravi Kumar, Y.**	Bio-modelling using Rapid Prototyping by Fused Deposition	Advanced Materials Research 2012, 488-489, pp. 1021-1025
9	**Ravi Kumar, Y.**	Dental Surgical Planning using CT Scan and Rapid Prototyping	International Journal of Biomedical Engineering and Technology 2012, 9 (4), pp. 351-368
10	PuliDanaiah, **Puli Ravi Kumar**	The Effect of Ignition Timing and Methanol Gasoline Blends on the Performance and Emissions of SI Engine	International Journal of Ambient Energy (Taylor and Francis) 2013 pp
11	D.Vinay Kumar, **Puli Ravi Kumar**	Experimental Investigations on the Performance and Emission Charasteristics of a DI diesel Engine using Lanthanum Zirconate Thermal Barrier Coating at different Injection Timings	International Journal of Combustion Science and Technology (Taylor and Francis) 2013
12	D.Vinay Kumar, **Puli Ravi Kumar**	Effect of Lanthanum Zirconate Thermal Barrier Coating on the Performance and Emissions of Bio-fuel operated diesel Engine	Journal of Sustainable Energy (Taylor and Francis) 2013
13	PuliDanaiah, **Puli Ravi Kumar**	Effect of Methanol Gasoline Blended Fuels on the Performance and Emissions of SI Engine	International Journal of Ambient Energy (Taylor and Francis) 2012 pp
14	PuliDanaiah, **Puli Ravi Kumar**	Lean combustion technology for internal combustion engines: A review	Interr al Journal of Science and Technology (SAP) 2012 volume
15	Srinivasu G, **R.N. Rao**	Tribological behaviour of near β titanium alloy as a function of α+β solution treatment temperature	**Materials and Design** [ELSEVIER2012
16	Srinivasu G, **R.N. Rao,** T.K. Nandy,	Sliding wear properties of near β Titanium alloy as a function of β Solution treatment temperature	Applied Mechanics and Materials [Trans Tech Publications]2012
17	**R.N. Rao,** S.Das,DP.Mondal G.Dixit, S.L.Tulasi Devi		**Tribology International** [ELSEVIER2012
18	Srinivasu G, **R.N. Rao,** T.K.Nandy, D K Gupta	Finite Element Modeling of α Particle Size on the Stress Strain Curve of Near Beta Ti alloy	**Materials and Design** [ELSEVIER2012



निर्देशयोग्य खराद मशीन
Programmable Lathe Machine



पी.एल.सी. ट्रेनर यूनिट
P.L.C. Trainer Unit

19	Govardhan Goud, **R.N. Rao**	Effect of surface modification and hybridization on Dynamic mechanical properties of roystonea regia/glass-epoxy composites	**Bull. Mater. Sci.,** [SPRINGER]2012
20	Srinivasu G, **R.N.Rao** T.K.Nandy, A.Battacharjee	Artficial Nueral Network Approach for prediction of Ti alloy Stress-Strain Curve	**Procedia Engineering** [ELSEVIER2012
21	G. Srinivasu, **R.N. Rao**	Finite Element Modeling of Stress Strain Curve and Micro Stress and Micro Strain Distributions of Titanium Alloys - A Review,	Jr.Minerals and Materials Characterization and Engineering **(JMMCE)** [Scientific Research. ISSN: 1539-2511] 2012
22	Raghu C Reddy, **R.N. Rao,** T L Prakash	Synthesis and Characterisation of Titanium Oxide Nanopowders for Lithium-Ion Batteries	Archives of Applied Science Research [ISSN 0975-508X]2012
23	Govardhan Goud, **R.N. Rao**	Mechanical and electrical performance of roystonea regia/glass fiber reinforced epoxy hybrid composites	2012 **Bull. Mater. Sci.,** [SPRINGER]
24	**Venkatachalam, R.** and Padma Rao, A.	A Simple Gear Type Mechanism for Steering of an Automobile	International Journal on Mechanical and Automobile Engineering2012
25	**Venkatachalam, R.** and Padma Rao, A	Development of a New Steering Mechanism for Automobiles	Advances in Reconfigurable Mechanisms and Robotics I, Springer Verlag, London 2012
26	**V Vasu,** S Sudhakar	Effect of Al_2O_3 nanoparticles addition on Bioactivity, Thermal and Mechanical properties of Bioglass	International Journal of Materials, Manufacturing and Design 2012
27	A.M. Nikalje, A. Kumar, **K. V. Sai Srinadh**	Influence of Parameters and optimization of EDM performance measures on Maraging steel (MDN 300) using Taguchi Method	International Journal of Advance Manufacturing Technology- Published on 21st April 2013, DOI 10.1007/s00170-013-5008-8,
28	A.M. Nikalje, A. Kumar, **K. V. Sai Srinadh**	Optimization of EDM machining parameters of Titanium alloy Ti-6Al-4V using Taguchi method, Journal of Mechanical Science and Technology	
29	Umamaheswara rao, vasu, **K.V.Sai Srinadh**	SCC behavior of 7075 Aluminum alloys.	
30	Syed Kaleemuddin, **G.Amba Prasad Rao**	Development of Automotive DI diesel engine to comply with Stringent Emission Norms	International Journal of Power and Energy Conversion-Inderscience Publications,**2012**
31	Nilesh Gajarlawar and **G.Amba Prasad Rao**	Investigation of effects of pilot injections with varying compression ratios in a common rail diesel engine	International Journal of thermal Science, Serbia, 2012
32	Nilesh Gajarlawar and **G.Amba Prasad Rao**	Experimental investigations of Non-Volatile particle number concentration from a range of multi-utility vehicles over emission cycle compiling different norms	Intl.Journal of Automotive Engineering Vol.2, Issue 3, July 2012.
33	AJ Keche, **G. Amba Prasad Rao**	Performance Evaluation of wood Gasifier"	International Journal of Alternate Energy Sources & Technologies (STM – Journals), Volume 3, Issue 3, December 2012, Page no 1-9
34	AJ Keche, **G. Amba Prasad Rao**	Experimental evaluation of a 35 kVA downdraft gasifier Frontiers in Energy	Springer Publications **2013**.DOI 10.1007/s11708-013-0247-9.
35	A. M. Nikalje, **A. Kumar,** K. V. Saisrinadh	Influence of parameters and optimization of EDM performance measure on MDN 300 steel using Taguchi Method	International Journal of Advanced Manufacturing Technology , 2013
36	A. Devaraju, **A. Kumar,** B. Kotiveerachari	Influence of Reinforcements (SiC & Al_2O_3) and Rotational speed on Wear and Mechanical properties of Aluminum alloy 6061-T6 based Surface Hybrid Composites produced via Friction stir processing	Materials & Design, 2013
37	A. Devaraju, **A. Kumar,** B. Kotiveerachari	Influence of the addition of Grp/Al_2O_{3p} with SiC_p on Wear properties of Aluminum alloy 6061-T6 Hybrid Composites via Friction stir processing	Transactions of Nonferrous Metals Society of China, 2013
38	**A. Kumar,** L. Suvarna Raju	Effect of Tool pin profiles on Mechanical Properties of Friction Stir welding of Copper	Materials and Manufacturing Processes, 2013

39	G. Mallaiah, A. Kumar, P. Ravinder Reddy	Effect of Titanium addition on mechanical properties of AISI 430 ferritic stainless steel GTA welds	International Journal of STEEL GRIPS, 2012
40	G. Mallaiah, A. Kumar, P. Ravinder Reddy	Influence of Grain Refining Elements on Mechanical Properties of AISI 430 Ferritic Stainless Steel Weldments -Taguchi Approach	Materials & Design, 2012
41	*N.Selvaraj*	Evaluation of tool allocation procedures in FMS using Flexsim	International journal of mechanical engineering July-Dec 2012,vol:5, issue 2, pp:107-116
42	*L.Venugopal, M.J.Davidson and N.Selvaraj*	Effect of elevated temperature on the formability of AA2014 thin walled tube ends	International journal of material and manufacturing process
43	*L.Venugopal, M.J.Davidson and N.Selvaraj*	Analysis of tube end forming process using taguchi design of experiments	Ustak university journal of material science
44	*S.Srinivas, N.Selvaraj and CSP.Rao*	Development and analysis of transportation model in public distribution system(PDS) for warangal district	International journal of management science and technology Vol:1,issue:2, Aril 2013 paper 4

* ***Name of the Faculty of the Department to be emboldened***

ii) *Peer – Reviewed National Journal Publications*

S. No.	Authors (*)	Title of the Paper	Journal Details (Journal, Year, Vol., pp)
1	Raghu C Reddy, R.N. Rao, T L Prakash	Titanium - tin oxide nanocomposite powders having 2d morphology prepared by mechanical milling for electrical energy storage applications	**Transactions of Powder Metallurgy Association of India** [ISSN 0377-9416 2012
2	V. S. Gadakh, A. Kumar	Analytical model for heat generation for taper cylindrical pin profile for FSW	National Welding Seminar in association with Indian Institute of Welding (IIW), KTPO, Bangalore
3	G. Mallaiah, A. Kumar, P. Ravinder Reddy	Influence of Copper Addition on Microstructure and Mechanical Properties of AISI 430 Ferritic Stainless Steel GTA Welds	Recent Advances in Mechanical Engineering (RAME-2012), Osmania University, Hyderabad

* ***Name of the Faculty of the Department to be emboldened***

B. Presentations in Conference / Symposia etc.,

i) *International Presentations*

S. No.	Authors (*)	Title of the Paper	Event Details (Event, Place, Dates)
1	A. Varun, N. Venkaiah, B. Kotiveerachari	Multi-Objective Optimization of Powder Mixed EDM	4th International & 25th All India Manufacturing Technology, Design and Research Conference (AIMTDR 2012) Jadavpur University, Kolkata, India
2	A. Varun, N. Venkaiah, B. Kotiveerachari	Gray Relational Analysis Coupled with Genetic Algorithm for Multi Objective Optimization of Wire-EDM	4th International & 25th All India Manufacturing Technology, Design and Research Conference (AIMTDR 2012) Jadavpur University, Kolkata, India
3	SatyanarayanaKosaraju, **VenuGopal A** and BangaruBabuPopuri	"Experimental Studies on the Effect of Rake Angle on Main Cutting Force and Surface Roughness in Machining Ti-6Al-4V",	2ndInternational conference on Advanced Manufacturingand Automation2013 (INCAMA 2013), during 28-30thMarch 2013,Kalasalingam university, Tamil Nadu Pp. 565-568
4	SatyanarayanaKosaraju, **VenuGopal A** and BangaruBabuPopuri	"Experimental Investigations and Modeling of Machining Titanium Alloy – Ti-6Al-4V",	3rdInternational Conference on Mechanical and Manufacturing Engineering2012 (ICME2012), 20th – 21st November2012, UniversitiTun Hussein Onn Malaysia, Malaysia. Pp. 155-159
5	SatyanarayanaKosaraju, **VenuGopal A** and BangaruBabuPopuri	"Online Tool Wear Monitoring using Cutting Forces in Turning Ti-6Al-4V",	International Conference on Trends in Industrial and Mechanical Engineering (ICTIME 2012), 24-25 March 2012, Dubai, organized by PSRC . pp. 147-150
6	Manmadhachary A, **Ravi Kumar Y** ,and Krishnanand L	Analysis of Errors in DICOM Image for Rapid Prototyping Application	The DICOM 2013 International Conference, Indian Institute of Science (IISc), Bangalore, India 2013, March 14–16, Cd

7	**G. Naga Srinivasulu,** T.Subrahmanyam and V. Dharma Rao	CFD-based Analysis of Transport Phenomenon in a PEM fuel cell with straight repeated channel in counter flow mode	International Conference on Nuclear and Renewable Energy Engineering (ICNREE-2012), Organized by WASET, Madrid, Spain 2012
8	**G.Naga Srinivasulu,** T.Subrahmanyam, A.V.Ratna Prasad and V.Suresh Babu	Parametric Analysis of PEM Fuel Cell using CFD Modeling	International Symposium on Recent Advances in Integrated Energy and Energy Conservation (RAIEEC-2012), Organized by UOIT, Oshawa, Canada and JNTUH at Hyderabad 2012
9	D.Vinay Kumar, **Ravi Kumar Puli**	Experimental Investigations on the Performance and Emission Charasteristics of a Mulite Coated DI Diesel Engine	Second Internaltional Conference on Advancements in Engineering and Management, RITS, ICAEM-2013
10	P.Danaiah, **Ravi Kumar P**	Experimental Evaluation of Oxygenated Additive on the Performance And emissions on SI Engines	2nd International Conference on Advancements in Engineering and Management RITS-IC02703, ICAEM-2013 during 27th and 28th February 2013
11	**R.N. Rao,**	Wear Regimes of Al-Cu-Mg Matrix Composites	**International Conference** on Industrial and Mechanical Engineering (ICIME-2013) **Paris, France** April 29-30, 2013, pp 656-660
12	**R.N. Rao,** S.L.T Devi, N.Ch. Kaushik, Durgesh Jha,	Artificial Neural Network approach to prediction of wear characteristics of aluminium matrix composites.	4th **International Conference** on Recent Advances in Composite Materials (ICRACM-2013), held at International Centre Goa, Dept. of Mech. Engg., IIT (BHU), Varanasi, India Feb.18-21, 2013, pp157
13	**R.N. Rao,** S.L.T Devi, Durgesh Jha, N.Ch. Kaushik,	Optimization of sliding wear behavior of Al-SiC composites using Taguchi techniques.	4th **International Conference** on Recent Advances in Composite Materials (ICRACM-2013), held at International Centre Goa, Dept. of Mech. Engg., IIT (BHU), Varanasi, India Feb.18-21, 2013, pp157-158
14	**R.N. Rao,**	Optimization of tribological properties of SiC reinforced aluminium matrix composites,	8th **International Conference** on Industrial Tribology (ICIT), The Westin Pune, Koregaon Park, India Dec. 7-9, 2012, TSI812608 pp116.
15	Srinivasu G, **R.N. Rao,** and T.K. Nandy,	Sliding Wear Properties of Near β Titanium alloy as a function of β Solution Treatment Temperature	**International Conference** on Mechanical and Manufacturing Engineering (ICME2012) Johor, **Malaysia** Nov. 20-21, 2012
16	Govardhan Goud, **R.N. Rao,**	Combined effect of alkali and silane treatments on tensile properties of roystonea regia natural fiber reinforced epoxy composites	**Third International conference** on Natural polymers, ICNP-2010, Kottayam, Kerala Oct. 26-28, 2012
17	Raghu C. Reddy, **R.N. Rao,** T.L. Prakash	Room temperature synthesis of tin oxide nanopowders for lithium-ion battery	2nd**International Conference** on Nanotechnology (NANOCON 2012) - Bharati Vidyapeeth University, Pune, India Oct. 18-19 ,2012, pp128
18	Srinivasu G, **R.N. Rao,** T.K. Nandy,	The Prediction of Stress-Strain Curve of Near Beta Titanium Alloy using ANN Technique,	The 2nd **International Conference** on Engineering, Technology and Management, Organizing by WAIRCO, Tiruapti, India Sep. 7-8, 2012,.
19	M. Vijay Shanker, **R.N. Rao,** G. Srinivasu, S.L.Tulasi Devi	Artificial Neural Network Approach for wear rate prediction of metal matrix composites	A **International Conference** on Modeling optimization and computing (ICMOC 2012), Dept. of Mechanical Engineering, NICHE, Kumarakoil, Tamilnadu pril 10-11, 2012, pp751-760.
20	G. Srinivasu, **R.N. Rao,** T.K. Nandy and Amit Battacharjee,	Artificial Neural Network Approach for prediction of Ti alloy stress–strain curve,	**International Conference** on Modeling optimization and computing (ICMOC 2012), Dept. of Mechanical Engineering, NICHE, Kumarakoil, Tamilnadu April 10-11, 2012,
21	**SadasivaRao T**	Taguchibased Grey Relational AnalysistoOptimizeFace Milling Processwith Multiple Performance Characteristics. (Paper ID : 0312714	International Conference on Trends in Industrial and Mechanical Engineering (ICTIME'2012), (March 24-25 th of 2012) held at Dubai
22	G. Naga Srinivasulu, T. Subrahmanyam, A.V. Ratna Prasad and **V.Suresh Babu**	Parametric Analysis of PEM Fuel Cell using CFD Modeling (RAIEEC-2012)	J N T U Hyderabad December 2012,1-12
23	K. Meera Saheb, M. Shasikanth, G. V. Rao and **Suresh Babu, V**	Evaluation of large amplitude free vibration behavior of moderately thick square plates using coupled displacement field method.	IX Int. Conf on Vibration Engg and Tech. of machinery, IIT Delhi, Delhi August 2013

24	**Lanka Krishnanand**	A MULTI OBJECTIVE OPTIMIZATION OF FLOW SHOP SCHEDULING PROBLEM USING EVOLUTIONARY GENETIC ALGORITHM TECHNIQUES	International conference '11th Global Congress for Manufacturing and Management' at AUT, Auckland, New Zealand from 28 Nov to 30 Nov, 2012
25	Nilesh Gajarlawar and **G.Amba Prasad Rao**	Experimental Investigation of effect of cooling/Non cooling of EGR on two level of Compression ratio in a Common rail diesel engine	9th Asia-Pacific Conference on Combustion, Gyeongju Hilton, Gyeongju, Korea 19-22 May **2013**
26	U. Shrinivas Balraj, **A. Kumar**, B. Sivaprasad Reddy and A. Gopalakrishna	Performance analysis of Electric Discharge Machining of RENE 80 Nickel Super Alloy using various statistical tools	2nd Int. conf. on Advanced Manufacturing and Automation, INCAMA-13, Kalasalingam University, Krishnakoil
27	A. Devaraj, **A. Kumar**, B. Kotiverachary	Wear and Mechanical properties of Aluminum alloy based Hybrid Composites [(SiC+Gr) & (SiC+Al2O3)] Fabricated by Friction stir processing	ASME 2013 International Mechanical Engineering Congress and Exposition, SAN DIEGO CA, US
28	A. Devaraj, **A. Kumar**, B. Kotiverachary	Dry sliding wear properties of AA6061/(SiCp+Al2O3p) Surface Hybrid Composite Fabricated via Friction Stir Processing	IEEE Int. Conf. on Research & Development prospects on Engineering & Technology, E.G.S. Pillay Engineering, Nagapattinam, Tamilnadu 2013
29	U. Shrinivas Balraj, **A. Kumar**, B. Sivaprasad Reddy and A. Gopalakrishna	Some studies on Electric Discharge Machining of RENE 80 Nickel Super Alloy	4th International & 25th AIMTDR – 2012 held at Jadavpur University, Kolkata 14th - 16th December 2012, 447-452
30	V. S. Gadakh, **A. Kumar**	Friction stir welding window (FSWW) for AA6061-T6 Aluminum alloy	4th International & 25th AIMTDR – 2012 held at Jadavpur 14th - 16th December 2012 University, Kolkata
31	A. Devaraj, **A. Kumar**, B. Kotiverachary	Wear characteristics of AA6061/(SiCp+Grp) Surface Hybrid Composites Fabricated via Friction Stir Processing	ICAMAME-2012, WASET-Spain
32	**Selvaraj.N**	Smart matching of components for reduced clearance variation	4th International & 25th All India Manufacturing Technology Design and Research (AIMTDR-2012) Conference Jadavpur University, Kolkata, India 14th to 16th December, 2012
33	Rangilal and **N.Selvaraj**	Experimental studies of cutting force, surface roughness and temperature measurement while machining maraging steel	2nd International conference on advanced manufacturing and automation Kalasalingam university, Krishnan koil,TN 28th -30th March 2013
34	Tansel, I.,Yapici, A.,**Korla**, S.,Demetgul,m	Fingerprinting the lamb wave signals by using S- TRANSFORMATIONS	Health monitoring of structural and biological systems,Sandiego,California,USA

* ***Name of the Faculty of the Department to be emboldened***

ii) *National Presentations*

S. No.	Authors (*)	Title of the Paper	Event Details (Event, Place, Dates)
1	V. S. Gadakh, **A. Kumar**	Analytical model for heat generation for taper cylindrical pin profile for FSW	National Welding Seminar in association with Indian Institute of Welding (IIW), KTPO, Bangalore 7th - 9th Feb. 2013

* Name of the Faculty of the Department to be emboldened

ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT:

A. Publications

i) Peer – Reviewed International Journal Publications

S. No.	Authors (*)	Title of the Paper	Journal Details (Journal, Year, Vol., pp)
1.	**. P.Muralidhar, Dr.C.B.Rama Rao**	Complexity reduction of fast block matching algorithms	International Journal of Engineering and advanced Technology Volume 1/6, page Nos. 277-281, August 2012
2.	Ravi Kumar Jatoth, **Dr.T.Kishore Kumar**	Real time implementation of unscented kalman Filter for target tracking	International journal of electronics and Communication engineering & technology (IJECET)volume 4, issue 1, January- February (2013), pp. 208-215
3.	K.Keerti Kumar, **Dr.N.Bheema Rao**	Sub-threshold Leakage Current Reduction Using Variable Gate Oxide Thickness (VGOT) MOSFET	Microelectronics and Solid State Electronics Journal, Volume 2, No 2A, Feb2013, Scientific and Academic Publishers, USA pp 24-28
4.	T.Venu Madhav, **Prof. N. V. S. N Sarma**	Energy Efficient Distributed Cluster Routing Protocol with Centralized Base Station for Wireless Sensor Networks	International Journal of Computer Networking, Wireless and Mobile Communications , ISSN 2250-1568 Vol. 3, Issue 1, Mar 2013, P75-86
5.	Vimal kumar, **.P.Muralidhar, Dr.C.B.Rama Rao**	Architecture for H.264 Intra Prediction Fast Mode decision Algorithm	International Journal of computer applications(0975-8887) volume 68, No.3,April 2013
6.	Sateeshkrishna Dhuli, **Dr.V. V. Mani**	A Cooperative Diversity Analysis of Two User Mobile Communication System with Maximal Ratio Combining	International Journal of Communications and Network, May 2013, pg.134-139, ISSN :1949-2421
7.	T.Venu Madhav, **Prof. N. V. S. N Sarma**	An Improved Genetic Algorithm with Clustering Techniques to Extend Network Lifetime in Homogeneous and Heterogeneous Wireless Sensor Networks	International journal of Advanced Research in Computer Science, Volume 4, Number 8, May-June 2013, 0976-5697
8.	B. Rama Sanjeeva Reddy, **Dr.D. Vakula, Prof. N.V.S.N Sarma**	Design of Multiple Function Antenna Array using Radial Basis Function Neural Network	Journal of Microwaves, Optoelectronics and Electromagnetic Applications. Vol.12, No.1,ISSN 2179-1074, June 2013

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ii) Peer – Reviewed National Journal Publications

S. No.	Authors (*)	Title of the Paper	Journal Details (Journal, Year, Vol., pp)
1.	P.Kishore Kumar, **Dr.T.Kishore Kumar**	UWB Impulse Based Radar Signals for Through-The-Wall Imaging	Defence Science Journal, Volume 62, No. 3, May 2012, pp. 187-192. DRDO publications, New Delhi
2.	Srinath Anandkrishna, **Dr.V. V. Mani**	A hopfield neural network based mimo system	ICTACT Journal on communication technology, June2012, Volume 03, Issue: 02,ISSN:2229-6948, pg 529-531.
3.	**P. Hari Krishna Prasad**	Alternative to Sinc Pulse in the Context of Baseband Data Transmission	IETE Journal of Education July- December 2012, Volume 53, Issue 2, pp76-79
4.	P.Kishore Kumar, **Dr.T.Kishore Kumar**	A Novel Approach for Clutter Reduction in Through-The-Wall UWB Radar Imaging	IETE Journal of Research, issue Nov-Dec 2012
5.	**P. Hari Krishna Prasad**	A Few Insights into Error Function	IETE Journal of Education January-June 2013, Volume 54, Issue 1, pp 9-11
6.	**P. Hari Krishna Prasad**	Bipolar Multiplexed Pulse Width Modulation	IETE Journal of Education January-June 2013, Volume 54, Issue 1, pp 18-25

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B. *Presentations in Conference / Symposia etc.,*

i) *International Presentations*

S. No.	Authors (*)	Title of the Paper	Oral / Poster	Event Details (Event, Place, Dates)
1.	K.Keerti Kumar, **Dr.N.Bheema Rao**	Variable Gate Oxide Thickness MOSFET:A Device level solution for sub-threshold leakage current reduction	Oral	Proceedings of International conference on Devices, Circuits and Systems 2012, 15-16 March 2012.
2.	**Dr. N Bheema Rao**	Coupled Spiral Inductor for RF applications	Oral	Proceedings of International conference on Solid state and Integrated Circuit (ICSIC 2012),17-18 March 2012, Singapore
3.	K.Keerti Kumar, **Dr.N.Bheema Rao**	Characterization of Variable gate oxide thickness MOSFET with non uniform oxide thicknesses for sub-threshold leakage current reduction	Oral	Proceedings of International conference on Solid state and Integrated Circuit (ICSIC 2012), 17-18 March 2012, Singapore
4.	M.Kavicharan, **Prof. N.S.Murthy, Dr.N. Bheema Rao**	Modal Decomposition-based VLSI Interconnect Delay Modeling	Oral	Proceedings of International Conference on Solid-State and Integrated Circuit (ICSIC 2012), 17-18 March 2012, Singapore
5.	B.Ravi, Siva Prasad Nandyala, **Dr.T.Kishore Kumar**	Speech Enhancement using Spectral Subtraction, Affine Projection Algorithms and Classical Adaptive Filters	Oral	International Conference on Advances in Electronics, Electrical and Computer Science Engineering –**EEC 2012**,Dehradun 7th to 9th July, 2012
6.	Venkateshwar reddy.V, **Prof.N.V.S.N Sarma**	Koch fractal boundary patch over reactive impedance surface		International Conference,The Radio and Antenna Days of the Indian Ocean (RADIO),Mauritius, 24-27 September, 2012
7.	Rama Sanjeeva Reddy. B, **Dr.D.Vakula, Prof. N.V.S.N Sarma**	Circular Antenna Array Pattern analysis using Radial Basis Function Neural Network	Oral	Radio and Antenna days of the Indian Ocean (RADIO2012), Mauritius, pp.199-202, September 2012
8.	Rama Sanjeeva Reddy. B, **Dr.D. Vakula**	Quantitative analysis and simulation of switched beam smart antenna system using Labview	Oral	VIMANTRA2012, National Instruments, India, October 2012
9.	S.Sai Saran Yagnamurthy, M.Sudheer Chandra, **J.Ravi Kumar**	Modeling and control of motorized robotic arm using hybrid GA-PSO algorithm	Oral	Nirma University International Conference on Engineering, nuicone-2012, 06-08,December, 2012
10.	Ayush Kumar Jain, T. Phanindra, **Ravi Kumar Jatoth**	Liquid Level Control of Three Tank System Using Hybrid GA-PSO Algorithm	Oral	Nirma University International Conference on Engineering, nuicone-2012, 06-08,December, 2012
11.	Rama Sanjeeva Reddy. B, **Dr.D.Vakula, Prof.N.V.S.N Sarma**	Design of Multiple Function Antenna Array using Artificial Neural Network	Oral	12th International Conferences on Electromagnetic Interference and Compatibility (INCEMIC 2012), pp. 197-200, December 2012
12.	Rama Sanjeeva Reddy. B, **Dr.D. Vakula.**	Analysis and simulation of Multiple beam width functionality using Radial Basis Function Neural Network	Oral	International Conference on Signal, Image Processing and Pattern Recognition (SIPP 2013), Feb 18-20, 2013
13.	M.Kavicharan, **Prof.N.S.Murthy, Dr.N. Bheema Rao**	A Closed-form Delay Estimation Model for Current-mode High Speed VLSI Interconnects	Oral	Proceedings of TAEECE 2013 Konya, Turkey - May 9-11, 2013.
14.	V.Sunnydayal, Siva Prasad Nandyala, **Dr.T.Kishore Kumar**	Speech enhancement using improved signal to noise ratio estimation with pitch synchronous analysis	Oral/Presented	**ICACM 2013,GokaRaju RangaRaju** *Institute of Engineering and Technology*,**August 2-3,2013**
15.	V.Sunnydayal, **Dr.T.Kishore Kumar**	Speech Enhancement Using Subband Wiener Filter with Pitch Synchronous Analysis	Oral	ICACCI 2013,SJCE Mysore,22-25 August, 2013
16.	M.Kavicharan, **Prof.N.S.Murthy, Dr.N. Bheema Rao**	An Efficient Delay Estimation Model for High Speed VLSI Interconnects	Oral	International Workshop on Advances in VLSI Circuit Design and Cad Tools (AVCDCT13) Mysore, India, August 22-25, 2013

17.	Ashok Agarwal **Dr. B. Lakshmi**	A factorization method for FPGA implementation of Sample Rate Converter for a multi-standard radio communications	Oral	IEEE TENCON Spring-2013, University of New South Wales, Sydney, Australia 17th April 2013 to 19th April 2013

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ii) National Presentations

S.No.	Authors (*)	Title of the Paper	Oral / Poster	Event Details (Event, Place, Dates)
1.	V.Venkateshwar Reddy, **Prof.N.V.S.N Sarma**	Circularly Polarized Minkowski fractal patch over a Reactive impedance surface	Oral	International conference on Electromagnetic Interference and Compatibility (INCEMIC) Bangalore, India, 4-7 December, 2012
2.	V.Venkateshwar Reddy, **Prof.N.V.S.N Sarma**	A Novel Antenna Miniaturization Technique Using Sierpinski Fractal Curve	Oral/presented	Antenna Test& Measurement society(ATMS 2013), Kolkata, India, 11 – 13 February, 2013
3.	**Amara Prakasa Rao , Prof. N.V.S.N Sarma**	Performance Analysis of Beamforming Based on DOA for Smart Antenna Systems	Oral/Presented	Antenna Test & Measurement Society (ATMS 2013), Kolkata, 12-13,February 2013
4.	Ashok Agarwal **Dr. B. Lakshmi**	FPGA implementation of Digital Down converter using CORDIC Algorithm	Oral	ICCESD-2013, (SPIE), Malaviya National Institute of Technology, Jaipur 28th January 2013 to 30th January 2013
5.	Ashok Agarwal **Dr. B. Lakshmi**	An Optimized Sample Rate Converter for a software radio receiver on FPGA	Oral	Conference on Advanced Communications and Control Systems, (CACCS-2013) Deharadun Institute of Technology, Deharadun 6th April 2013 to 8th April 2013
6.	B. Siva Kumar Reddy **Dr. B. Lakshmi**	Adaptive Modulation and Coding in COFDM for WiMAX using LMS Channel Estimator	Oral	Conference on Advanced Communications and Control Systems, (CACCS-2013) Deharadun Institute of Technology, Deharadun 6th April 2013 to 8th April 2013
7.	B. Siva Kumar Reddy **Dr. B. Lakshmi**	PAPR reduction in OFDM using channel coding in GNU Radio	Oral	AIM-2013 Third International Conference on Advances in Information Technology and Mobile Communications, Bengaluru, 26-27 April,2013.

* ***Name of the Faculty of the Department to be emboldened***

CHEMICAL ENGINEERING DEPARTMENT:

A. Publications

i) Peer – Reviewed International Journal Publications

S. No.	Authors (*)	Title of the Paper	Journal Details (Journal, Year, Vol., pp)
1	K. Narasimhulu and **Y.Pydi Setty**	Batch Studies on Biosorption of Chromium from Waste Water using Bacterial Cultures	International Journal of Engineering Research and Development, Volume 3, Issue 12,PP. 50-58
2	K. Narasimhulu and **Y.Pydi Setty**	Studies on Biosorption of Chromium Ions from Wastewater Using Biomass of *Aspergillus niger* Species	J Bioremed Biodeg, Volume 3 , Issue 7.Page No.1-4.
3	K. Narasimhulu and **Y.Pydi Setty**	Biosorption of copper from wastewater by *Bacillus subtilis* in a packed bed bioreactor	Journal of Biodiversity and Environmental Sciences (JBES), Vol. 2, No. 11, p. 23-30.
4	K. Narasimhulu and **Y.Pydi Setty**	Removal of heavy metals from wastewater treatment plant of NIT Warangal by biomass of *Pseudomonas putida*	G. J. P&A Sc and Tech., 2012v02i2, 41-48.
5	**K. Srivani** and **Y. Pydi Setty**	Optimization of Parameters for microbial Production of Xylitol from Xylose	Asia Pacific Journal of Chemical Engineering, August 2012, S280-S284
6	G. Srinivas and **Y. Pydi Setty**	Drying behavior of uniform and binary mixture of solids in a batch fluidized bed dryer	Powder Technology, 241, June 2013, 181-187

7	Krishnamurthy Prasad, **Shirish Sonawane** , Meifang Zhou, Muthupandian Ashokkumar	Ultrasound assisted synthesis and characterization of poly(methyl methacrylate)/$CaCO_3$ nanocomposites	Chemical Engineering Journal 219 (2013) 254–261 **Elsevier**
8	A.P. Hage ·S.R. Shirsat P.R. Gogate **S.H. Sonawane**	Adsorption of Brilliant green dye on the Ultrasonically synthesized Poly(acrylic acid) hydrogel loaded with the Kaoline clay	Ultrasonics Sonochemistry, 20 (2013) 914–923 **Elsevier**
9	M. A. Patel, B. A. Bhanvase, **S. H. Sonawane**	Synthesis of Novel Cerium Zinc Molybdate Nanoparticles as an Anticorrosive Pigment by Using Innovative Ultrasound-Assisted Approach	Ultrasonics Sonochemistry 20 (2013) 906–913 Elsevier
10	S.R. Shirsath, D.V. Pinjari , P.R. Gogate , **S.H. Sonawane**, A. B. Pandit	Ultrasound assisted synthesis of doped TiO_2 nano-particles: Characterization and comparison of effectiveness for photocatalytic oxidation of dyestuff effluent Ultrasonics Sonochemistry	Ultrasonics Sonochemistry, Volume 20, Issue 1, January 2013, Pages 277-286 **Elsevier**
11	S. S. Barkade, D. V. Pinjari, A. K. Singh, P.R. Gogate, J. B. Naik, **S. H. Sonawane** and A. B. Pandit	Ultrasound assisted Miniemulsion polymerization for preparation of polypyrrole zinc oxide (PPy/ZnO) functional latex for LPG sensing	Industrial Engineering and Chemistry Research (ACS) Accepted 3 May 2013 **ACS**
12	M P Desorkar S Pawar B Bhanvase **S H Sonawane**	Process Intensification of uniform Loading of SnO2 nanoparticles on graphenen oxide nanosheets using a novel ultrasound assisted insitu chemical precipitation method	Chemical Engineering and Processing : Process Intensification Accepted 7 May 2013 **Elsevier**
13	**Kishore, K. A., & Reddy, G. V.**	Parameter Optimization in Citric Acid Fermentation Process: A Statistical Approach	Asian-American Journal of Chemistry, 1(1), 20-21.
14	**Kishore, K. A., & Reddy, G. V.**	Modeling and Optimization Studies on the effect of Stimulators on the fermentation of Citric Acid	International Journal of Synthesis and Characterization, 5(2) 90-94.
15	**Kishore, K. A., & Reddy, G. V.**	Optimization of Incubation Time, Fermentation Temperature & O_2 Flow rate in Citric Acid Fermentation Using Response Surface Methodology(Rsm)	International Journal of Advanced Engineering Technology, 3(1), 64-67.
16	**Kishore, K. A., & Reddy, G. V.**	Statistical Design and Optimization of Metal Ion concentrations for Submerged Fermentation of Citric acid	Sci. Revs. Chem. Commun, 2(1), 66-75.
17	**Kishore, K. A., & Reddy, G. V.**	Recent Developments in Optimization of Citric Acid Fermentation Process-A Review	International Journal of General Engineering and Technology, 1(1) 55-63.
18	**Kishore, K. A., & Reddy, G. V.**	Optimization of Batch Fermentation of citric Acid Process: A statistical Approach	International Journal of Applied Engineering Research, 7(11). 1739-1741.
19	**S.Srinath & G.Venkat Reddy**	Particle Size effect on Performance of Fluidised Bed Combustor firing Groundnut shells	International Journal of Chemical engineering Application Vol3, No2pp147-151 April 2012
20	**Sunil Kumar Thamida**	Modeling and simulation of galvanic corrosion pit as a moving boundary problem	Computational Material Science, (2012), V 65, 269-275 (SCI Journal)

* ***Name of the Faculty of the Department to be emboldened***

ii) Peer – Reviewed National Journal Publications

S. No.	Authors (*)	Title of the Paper	Journal Details (Journal, Year, Vol., pp)
1	P. Onkara, A. Sunil Kumar, S. Kanaka Raju, B. Prasanna, Y. **Pydi Setty** and **G V P Chandramouli**	molecular docking studies, synthesis and anti-bacterial properties of new mannich bases	Int J Pharm Bio Sci 2013 Apr; 4(2): (P) 263 - 270
2	**Kishore, K. A., & Reddy, G. V.**	Assessment of relative importance of Process variables in Citric Acid Fermentation by Plackett-Burman design	Research Journal of Chemical Sciences, 2(9), 5-8

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पेट्रोलियम रिफाइनरी आंशिक आसवन यूनिट

Petroleum Refinery Fractional Distillation Unit



स्वचालित यूनिवर्सल परीक्षण मशीन

Automated Universal Testing Machine

B. *Presentations in Conference / Symposia etc.,*

i) *International Presentations*

S. No.	Authors (*)	Title of the Paper	Oral / Poster	Event Details (Event, Place, Dates)
1	M. Mallaiah & G. Venkat Reddy	Kinetic Model for esterification of aceticacid method with cation exchange resign as catalyst	Oral	Mathematics in chemical kinetics and Engineering (MaCKiE)2013 IIT Madas P.No. 82-84
2	Kishore, K. A., & Reddy, G. V.	Optimization of Operating Conditions in Citric Acid Fermentation: A Genetic Programming Approach.	Oral	3rd International Conference on Chemical, Ecology and Environmental Sciences (ICCEES'2013), Bali, Indonesia, 190.
3	Kishore, K. A., & Reddy, G. V.	A Study on the effect of Alcohols on Fermentation Citric acid using Aspergillus Niger: An experimental and evolutionary Approach	Poster	International conference on Biotechnology in Human welfare, Kakatiya University, Warangal, A.P, India, 148.
4	Kishore, K. A., & Reddy, G. V.	An experimental and Statistical study on the influence Vegetable Oils on the Fermentation of Citric Acid from Sucrose using *Aspergillus Niger* NCIM 705	Oral	International conference on Biotechnology in Human welfare, Kakatiya University, Warangal, A.P, India, 150.
5	Kishore, K. A., & Reddy, G. V.	Design and Optimization of Citric Acid Fermentation Process by Statistical Method	Oral	International conference on Chemical, Environmental and biological sciences, Penang, Malaysia, 70 -73.
6	Kishore, K. A., & Reddy, G. V.	Optimization of Batch Fermentation of Citric Acid Process: A Statistical Approach.	Oral	International Conference on Emerging Trends in Engineering & Technology, GIMT, Kurukshetra
7	S.Srinath & G.Venkat Reddy	Nuero fuzzy modelling of rice husk combustion in fluidised bed	Oral	Proceedings of 3rd International Conference on Chemical, Ecology and Environmental Sciences (ICCEES'2013) January 4-5, 2013 Bali (Indonesia) pp 82-85
8	B.Anji Reddy & R C Sastry	Modeling of solid waste Gasification process for the synthesis Gas Production	Oral	Paper presented at the international conference on industrial Biotechnology (ICITS-2012) held at Punjabi univ. patiala during Nov-21-23(2012)
9	Ch. Ramesh & R C Sastry	Response Surface Methodology (RSM) by Central Composite design(CCD) for the optimization of Media Components in the Sysnthesis of Itaconic acid using Ustilagomaydis(NCIM-983)	Oral	Paper presented at the International conference on Industrial Biotechnology(ICIB-2012) held at Punjabi Univ., Patiala during Nov 21-23(2012)
10	K. Narasimhulu and Y. Pydi Setty (2012)	9th WSEAS International Conference on MATHEMATICAL BIOLOGY and ECOLOGY	Oral	(MABE '12), Harvard, Cambridge, USA, pp: 78.
11	K. Narasimhulu and Y. Pydi Setty (2012)	International Conference on Biochemical, Bioprocess and Biomedical Engineering	Oral	Phuket, Thailand, pp: 50

* ***Name of the Faculty of the Department to be emboldened***

ii) National Presentations

S. No.	Authors (*)	Title of the Paper	Oral / Poster	Event Details (Event, Place, Dates)
1	B. Anji Reddy & **R C Sastry**	Modeling of simulation of Municipal Solid Waste Gasification Processes for Syngas production in Downdraft Fixed Bed Reactor	Oral	Indian Chemical Engineering Congress-2012, Jalandhar, December P 44, 2012
2	G. Srinivas and **Y. Pydi Setty**	Experimental invistigation on drying of solids in A fluid bed dryer using binary solid mixtures.	Oral	Indian Chemical Engineering Congress-2012, Jalandhar, December P 44, 2012
3	P. B. N. Lakshmi Devi and **Y. Pydi Setty**	Effect of pH on biological nitrification process	Oral	Indian Chemical Engineering Congress-2012, Jalandhar, December P 43, 2012
4	Gautam Prasad and **A Sarath Babu**	Steady State Simulation of Ammonia Process Using Aspen	Oral	Indian Chemical Engineering Congress-2012, Jalandhar, December 27-30, 2012
5	R Naveen Kumar, **A. Venu Vinod**	Dynamic Behavior of Bubble Column Bioreactor Degrading Pheno	Oral	Indian Chemical Engineering Congress-2012, Jalandhar, December 27-30, 2012
6	T Srinivas, **A.Venu Vinod**	Heat Transfer Enhancement in Heat Exchangers using Nanofluids: A Review	Oral	Indian Chemical Engineering Congress-2012, Jalandhar, December 27-30, 2012
7	Komel A Ansari, **Shirish. H Sonawane, Y. Pydi Setty**	Continuous Flow Micro Reactor System For Zinc Sulphide Nano Particles	Oral	Chemference/2012 11/12/2012 IIT Mumbai
8	Prasad Gurav, A S. Deshmukh, **K Anand Kishore S Srinu Naik, Y. Pydi Setty , Shirish Sonawane**	Heat Transfer Analysis Of Nanofluid In Copper Tube With Constant Heat Flux	Oral	Chemference/2012 11/12/2012 IIT Mumbai
9	Komel Ansaria, **Shirish Sonawane, Y Pydi Setty**	ProcessIntensification of Nanoparticle Production Process using Microreactor	Oral	RAPT ICT Jalgaon 14-15 Feb 2013
10	**Pydi Setty** and **Shirish Sonawane**	Need of center of innovation and incubation in academic institutes Institutes	Oral	National Workshop on Convergence of Government Agencies and Industries for Funding in R&D (CGAIF-R&D 2012) July 26-27, 2012
11	**T. Sunil Kumar**	Alternative boundary treatment for flow simulation between two concentric rotating cylinders using Lattice Boltzmann Method	Oral	International Conference on Technology, Raipur, April 5-6, (2013)

* ***Name of the Faculty of the Department to be emboldened***

COMPUTER SCIENCE AND ENGINEERING DEPARTMENT:

A. Publications

i) Peer – Reviewed International Journal Publications

S. No.	Authors (*)	Title of the Paper	Journal Details (Journal, Year, Vol., pp)
1	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
2.	Nagaraj 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
3.	Aparna R and B.B. Amberker	Key Management Schemes for Multilayer and Multiple Simultaneous Secure Group Communication	ISRN Communications and Networkworking, Volume 2012, 2012.
4	A.S. Poornima and B.B. Amberker	Secure End-to-End Data Aggregation (SEEDA) Protocols for Wireless Sensor Networks	Ad Hoc & Sensor Wireless Networks, (Accepted)
5	B. R. Purushothama, B B Amberker	Secure group and multi-layer group communication schemes based on polynomial interpolation	Security and Communication Networks, Wiley, 2012
6	B. R. Purushothama, B B Amberker	Secure group and multi-layer group communication schemes based on polynomial interpolation	Security and Communication Networks, Wiley, 2012
7	B. R. Purushothama, B. Srinath, B B Amberker	Secure Cloud Storage Service and Limited Proxy Re-Encryption for Enforcing Access Control in Public Cloud	International Journal of Information and Communication (Accepted)
8	Siddharth Agarwal, Abhinav Rungta, Mayank Shankar, Nipun Rajan and R.Padmavathy	Improved Fast and Secure Hash Algorithm	Journal of Information and Processing Systems, v8(1), pp119-132, 2012.
9	R.Padmavathy and Chakravarthy Bhagvati	Index Calculus Method based on Smooth Numbers of ±1 over Zp*	International Journal of Network Security, v15(1), pp 210-218, 2013
10.	R.Padmavathy and Chakravarthy Bhagvati	Discrete Logarithm Problem using Index Calculus Method	Mathematical and Computer Modelling, v55(1-2), pp161-169, 2012.
11	**Rashmi Ranjan Rout**, S. K. Ghosh	Enhancement of Lifetime using Duty Cycle and Network Coding in Wireless Sensor Networks	IEEE Transactions on Wireless Communications, Vol. 12 (2), page: 656-667, 2013

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B. Presentations in Conference / Symposia etc.,

i) International Presentations

S. No.	Authors (*)	Title of the Paper	Oral / Poster	Event Details (Event, Place, Dates)
1	**Rashmi Ranjan Rout**, Saswati Ghosh, S. K. Ghosh	Efficient Data Collection with Directional Antenna and Network Coding in Wireless Sensor Networks	Oral	Proc. Of 6th IEEE Advanced Networks and Telecommunication Systems (IEEE ANTS), Bangalore, India, pp. 81-86, **Dec. 2012.**

* ***Name of the Faculty of the Department to be emboldened***

DEPARTMENT OF METALLURGICAL AND MATERIALS ENGINEERING

A. Publications

i) Peer – Reviewed International Journal Publications

S. No.	Authors (*)	Title of the Paper	Journal Details (Journal, Year, Vol., pp)
1.	**G. V. S. Nageswara Rao**, M. Hanumantha Rao, B. V. Appa Rao, and P. K. Sagar,	*Electrochemical Characterization of Biomedical Titanium Alloy Ti-35Nb-7Zr-5Ta*	International Journal of Advanced Engineering Technology, Vol. III, Issue I, January-March, 2012, pp. 217-222, E-ISSN number: 0976-3945.
2.	G. Srinivasu, Y. Natraj, A. Bhattacharjee, T.K. Nandy, **G.V.S. Nageswara Rao**	*Tensile and fracture toughness of high strength β Titanium alloy, Ti–10V–2Fe–3Al, as a function of rolling and solution treatment temperatures*	Materials and Design 47 (2013) 323–330. ISSN No. 0261-3069
3.	H.N. Bar, S. Sivaprasad, **N.Narasaiah**, Surajit K. Paul, B.N. Sen, and Sanjay Chandra,	*Low Cycle and Ratchetting Fatigue Behavior of High UTS/YS Ratio Reinforcing Steel Bars,*	Journal of Materials Engineering and Performance, June 2013, Volume 22, Issue 6, pp 1701-1707.

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B. Presentations in Conference / Symposia etc.,

i) International Presentations

S. No.	Authors (*)	Title of the Paper	Oral / Poster	Event Details (Event, Place, Dates)
1.	G. Sai Kumar, **Asit Kumar Khanra**	"Self-propagating High Temperature Synthesis (SHS) of Nanocrystalline Zirconium Diboride Powder",	Oral	International Symposium for Research Scholars 2012, IIT Madras.
2.	**M. K. Mohan**, Suman Kumari, T. Hanuma Reddy,and G. Vamsi Kamal	Evaluation of Ti-15V-3Cr-3Sn-3Al as high strength fastener material	Poster	Proceedings of the International Corrosion Prevention Symposium for Research Scholars, CORSYM-2013, held at Chennai during 28th February -02 March 2013
3.	**M. K. Mohan**, T. Hanuma Reddy, Suman Kumari and G. Vamsi Kamal	Corrosion Studies on Ti-15V-3Cr in different Environments	Poster	Proceedings of the International Corrosion Prevention Symposium for Research Scholars, CORSYM-2013, held at Chennai during 28th February -02 March 2013

* ***Name of the Faculty of the Department to be emboldened***

ii) National Presentations

S. No.	Authors (*)	Title of the Paper	Oral / Poster	Event Details (Event, Place, Dates)
1.	**M. K. Mohan**, T. Hanuma Reddy, Suman Kumari and G. Vamsi Kamal	*Corrosion behavior of β- Ti -15 V-3Cr-3Al-3Sn in different environments*	Oral	Proceedings of National Conference on Advances in Naval Materials (ADNAM-2013), February 22-23, 2013, Chennai, 186-193.
2.	Suman Kumari, **M. K. Mohan**, T. Hanuma Reddy, and G. Vamsi Kamal	*Stress corrosion cracking of beta titanium alloys (Ti -15 V-3Cr-3Al-3Sn) in different environments*	Oral	Proceedings of National Conference on Advances in Naval Materials (ADNAM-2013), February 22-23, 2013, Chennai, 194-200.
3.	J. Rajesh, T. Hanuma Reddy, Suman Kumari and **M.K. Mohan**	Corrosion resistance Prediction for Ti-15V-3Cr-3Al-3Sn by Artificial Neural Networks (ANN)	Poster	Paper presented at National Conference on Advances in Naval Materials (ADNAM-2013), February 22-23, 2013, Chennai.
4.	P. Rambabu, B. Saha, Ch V. A. Narasayya, N. Eswara Prasad and **M. K. Mohan**	Characterization of Aluminum alloy Forgings for Missile Structural Components	Oral	Paper presented at the 50th NMD-66th ATM held at Jamshedpur during 16-19 November 2012
5.	P. Rambabu, B. Saha, Ch V. A. Narasayya, N. Eswara Prasad and **M. K. Mohan**	Forging Technologies for Fabrication of Aluminum Alloy AA2014 Airframe Sections	Poster	Paper presented at the 21st International Symposium on Processing and Fabrication of Advanced Materials (PFAM XXI) held at Guwahati during 10- 13 December 2012.

6.	T. Hanuma Reddy, **M. K. Mohan**, T. Srinivasa Rao, G. Vamsi Kamal and D. Sri Swaroop	Electrochemical studies on Ti-6Al-4V and Ti-15V-3Cr	Poster	Paper presented at CORCON-2012 held at Goa during 26- 29 September 2012
7.	D. Sri Swaroop, **M. K. Mohan**, G. Vamsi Kamal and T. Hanuma Reddy	Corrosion studies on Ti-15V-3Cr alloy	Poster	Paper presented at CORCON-2012 held at Goa during 26- 29 September 2012
8.	**M. K. Mohan**, Sastry S. Indrakanti, G. Vamsi Kamal	Corrosion Behavior of Indigenous Ni based Superalloy (Supemi C-276) for Marine Fastener Applications	Oral	Paper presented at National Conference on Advances in Naval Materials (ADNAM-2013), February 22-23, 2013, Chennai.
9	S. K. Sharma, Anand Chandra, Vibhuti Roshan and **G.V.S. Nageswara Rao**	Iron ore preparation for use in iron making processes	Oral	Presented in Int Symp on "Converting challenges into Opportunities:Iron & Steel" organized during 50th NMD and 66th ATM of IIM at Jamshedpur, India

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BIOTECHNOLOGY

A. Publications

i) Peer – Reviewed International Journal Publications

S. No.	Authors (*)	Title of the Paper	Journal Details (Journal, Year, Vol., pp)
1	**Korrapati Narasimhulu** and Y.Pydisetty	Batch Studies on Biosorption of Chromium from Waste Water using Bacterial Cultures	International Journal of Engineering Research and Development, (2012) Volume 3, Issue 12,PP. 50-58.

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ii) Peer – Reviewed National Journal Publications

S. No.	Authors (*)	Title of the Paper	Journal Details (Journal, Year, Vol., pp)
1	**Korrapati Narasimhulu** and Y.Pydisetty	Studies on Biosorption of Chromium Ions from Wastewater Using Biomass of *Aspergillus niger* Species	J Bioremed Biodeg, (2012), Volume 3 , Issue 7.Page No.1-4.
2	**Korrapati Narasimhulu** and Y.Pydisetty	Biosorption of copper from wastewater by Bacillus subtilis in a packed bed bioreactor	Journal of Biodiversity and Environmental Sciences (JBES), (2012), Vol. 2, No. 11, p. 23-30.
3	Naveen Kumar Mekala, Rama Raju Baadhe, **Sreenivasa Rao Parcha**, Prameela Devi Y,	Study on Osteoblast like Behavior of Umbilical Cord Blood Cells on Various Combinations of PLGA Scaffolds Prepared by Salt Fusion.	*Curr Stem Cell Res Ther.* 2013.8, (3): 253-259.
4	Naveen Kumar Mekala, Rama Raju Baadhe, **Sreenivasa Rao Parcha**, Prameela Devi Y,	Enhanced Proliferation and Osteogenic Differentiation of Human Umbilical Cord Blood Stem Cells by L-Ascorbic acid, *in vitro*.	*Curr Stem Cell Res Ther* 2013; 8(2): 156-162.
5	Naveen Kumar Mekala, Rama Raju Baadhe, **Sreenivasa Rao Parcha**, Prameela Devi Y,	Osteoblast differentiation of umbilical cord blood derived mesenchymal stem cells and enhanced cell adhesion by Fibronectin,	Tissue Eng Regen Med 2012; 9(5): 258-264.
6	RamaRaju Baadhe, NaveenKumar Mekala, SatwikReddy Palagiri and **Sreenivasa Rao Parcha**.	Development of Petri Net-Based Dynamic Model for Improved Production of Farnesyl Pyrophosphate by Integrating Mevalonate and Methylerythritol Phosphate Pathways in Yeast.	Biochem Biotechnol. 2012; 167:1172-1182.
7	Pagila,Rao & **Rajulapati, S. B.**	Studies on L-Asparaginase production by using *Staphylococcus Capitis*	Journal of Chemical , Biological and Physical Sciences, 2012,3(1), 201–209
8	Erva, R. R., **R. S. B.**, Reddy, C. V. K., K, D. R., & Yj, S	OMICS of asnA gene from *Enterobactor aerogenes* KCTC2190	International Journal of Fundamental & Applied Sciences,2012, 2(1), 29–31
9	Sumanjelin, B., Rao & **Babu, R. S**	Isolation , Characterization of Lipase Producing Bacteria from Crude Rice Bran Oil and Optimization studies by Response Surface Methodology (RSM)	Journal of Chemical , Biological and Physical Sciences, 2012, 3(1), 289–296

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B. Presentations in Conference / Symposia etc.,

i) International Presentations

S. No.	Authors (*)	Title of the Paper	Oral / Poster	Event Details (Event, Place, Dates)
1	K.Narasimhulu	Studies on mechano-transduction in bioreactors in tissue engineering	Oral	International Conference on Tissue Science and Engineering , DoubleTree by Hilton Chicago-North Shore Conference Center 9599 Skokie Blvd Skokie, **Chicago, Illinois 60077, USA. 01-10-2012 to 03-10-2012.**

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CHEMISTRY DEPARTMENT

A. Publications

i) Peer – Reviewed International Journal Publications

S. No.	Authors (*)	Title of the Paper	Journal Details (Journal, Year, Vol., pp)
1	**B. V. Appa Rao,** S. Srinivasa Rao, M. Venkateswara Rao and B. Sreedhar,	Surface analysis of carbon steel protected from corrosion by a new ternary inhibitor formulation containing phosphonated glycne, Zn^{2+} and citrate",	*Journal of Surface Engineered Materials and Advanced Technology*, 3 (2013) 28
2	**B. V. Appa Rao** and K. Chaitanya Kumar	Corrosion inhibition of Cu-Ni (90/10) alloy in seawater and sulphide-polluted seawater by 1,2,3-benzotriazole	*ISRN Corrosion*, 2013, 1-22
3	Vijaybhaskar P and **Ramachandraiah A**	Spectral and Electrochemical Studies of Fluvoxamine	International Journal of Applied Biology and Pharmaceutical Technology, 2012, 3, 239 (ISSN 0976-4550)
4	V. Krishna, B. Srinivas and **A. Ramachandraiah**	Crystal Structure Analysis and Conformational Isomerism of 2,2'-(4,4'-oxybis(4,1-phenylene)bis(azan-1-yl-1-ylidine))bis(methan-yl-1-ylidine)dinaphthalen-1-ol)	Mol Cryst Liquid Cryst 2012, **562(1)**, 265-290
5	N. Venkatathri, M. Nookaraju, A. Rajini, **I.A.K. Reddy**	Titanium containing solid core mesoporous silica shell : A novel efficient catalyst for ammoxidation reactions	*Bulletin of Korean Chemical Society, 34(1) (2013) 143-148*
6	**N. Venkatathri,** Vijayamohanan K. Pillai, A. Rajini, M. Nooka Raju, I.A.K. Reddy	Structural and catalytic properties of a novel vanadium containing solid core mesoporous silica shell catalysts for gas phase oxidation reaction	*J. Chem. Sci.*, 125 (2013) 63.
7	A. Rajini, M. Nookaraju, **I.A.K. Reddy** and **N. Venkatathri,**	Vanadium n-propylamino phosphate: A novel efficient catalyst for Octahydroquinozolinones synthesis.	*Materials Research, 16(1) (2013) 181-189.*
8	KVV Satyanarayana, **P. Nageswara rao**	Spectrophotometric Determination of Linezolid inpharmaceuticals on the basis of coupled redox,complexation reaction	Journal Analytical Chemistry,68 (2013) 33-38
9	KVV Satyanarayana, **P. Nageswara Rao**	Validated spectrophotometric methods for the assay of CINITAPRIDEHYDROGEN TARTRATE in pharmaceuticals	Chemical Industryand Chemical EngineeringQuarterly,19(2013)
10	KVV Satyanarayana, T.Ramesh & **P. Nageswara rao**	Simple and facile Spectrophotometric methods for the determination of AMISULPLIDE in pharmaceutical formulations	FARMACIA,60(2012)206-217
11	B. Janardhan and **B. Rajitha.**	Brønsted acidic ionic liquid catalyzed highly efficient synthesis of chromeno pyrimidinone derivatives and their antimicrobial activity.	Chinese Chemical letters 23 (2012) 1015-1018.
12	B Suresh Kuarm, B. Janardan and **B. Rajitha.**	Xanthan Sulfuric Acid: An Efficient Bio-supported and Recyclable Solid Acid Catalyst for the Synthesis of 2-Aryl Thiadiazolo Benzimidazoles.	Chinese Journal of Chemistry 30 (2012) 1614-7065.
13	S. Vijaya Laxmi and **B. Rajitha.**	Synthesis and Antimicrobial Activity of Newer Indole Semicarbazones.	Medicinal Chemistry Research 21 (2012) 85-90.



फ्लूइडस्कल बेड कम्बास्टर

Fluidiscal Bed Cumbusters



अंडर ग्रेजुएट रसायन विज्ञान प्रयोगशाला

Undergraduate Chemistry Laboratory

14	B. Suresh Kuarm, **B. Rajitha** and Peter A. Crooks	Xanthan sulfuric acid: An efficient biodegradable solid acid catalyst for the synthesis of 14-aryl-14*H*-dibenzo [*a,i*]xanthene-8,13-diones.	Advances in Applied Science Research 3 (2012) 1-5.
15	B. Suresh Kuarm, **B. Rajitha** and Peter A. Crooks	Polyvinylsulfonic acid: An Efficient and Recyclable Bronsted Acid Catalyst for Pechmann Condensation.	International Journal of Research in Pharmaceutical and Biomedical Sciences 3 (2012) 50-53.
16	B. Janardhan, S. Vijaya Laxmi and **B. Rajitha**	One-pot synthesis of fused 3,4-dihydropyrimidin-2(1 *H*)-ones and thiones using a novel ionic liquid as an efficient and reusable catalyst: improved protocol conditions for the Biginelli-like scaffolds.	Heterocyclic Communications 18 (2012) 93-97
17	B. Janardhan, V. Ravibabu and **B. Rajitha.**	Synthesis, Characterization and Antimicrobial Activity of Indazolines.	International Journal of Research in Pharmaceutical and Biomedical Sciences 3 (2012) 443-448.
18	B. Suresh Kuarm, J. Venu Madhav and **B. Rajitha**	Xanthan sulfuric acid: an efficient and recyclable solid acid catalyst for Pechmann condensation.	Synthetic communications 42 (2012) 1770-1777
19	S. Vijaya Laxmi , B. Janardhan, **B. Rajitha,** P.Raghavaiah and P.Srinivas	Synthesis, Single crystal X-ray studies and antimicrobial activities of novel Indole barbiturates.	Medicinal Chemistry Research 21 (2012) 2896-2910
20	B. Janardhan, V. Ravibabu, **B. Rajitha** and Peter A. Crooks.	L-proline catalyzed an efficient multicomponent one-pot synthesis of poly substituted pyridines.	Organic Communications 2 (2012) 186-195
21	B. Janardhan, S. Vijaya Laxmi and **B. Rajitha**	An efficient synthesis of 12-aryl-8,9,10,12 tetrahydrobenzo[a] xanthen-11-ones using (4 sulfobutyl)tris(4-sulfophenyl) phosphonium hydrogen sulphate as catalyst under neat conditions.	Journal of Chemical and Pharmaceutical Research 4 (2012) 519-525
22	B. Janardhan, **B. Rajitha** and Peter A. Crooks.	Poly(4-vinylpyridinium hydrogen sulfate: An efficient and recyclable Bronsted acid catalyst for the synthesis of fused 3,4-dihydropyrimidin-2(1H)-ones and thiones.	Journal of Saudi Chemical Society (2012)
23	B. Janardhan and **B. Rajitha.**	(4-Sulfobutyl)tris(4-sulfophenyl)phosphonium hydrogen sulphate: An efficient, eco-friendly and recyclable catalyst for the synthesis of coumarin derivatives *via* pechmann condensation under solvent-free condition.	Advances in Applied Science Research 4 (2013) 74-78
24	V. Ravibabu, B. Janardhan, G. Rajitha and **B. Rajitha.**	Efficient one-pot three-component synthesis of thiazolyl pyrazole derivatives under conventional method.	Der Chemica Sinica 4 (2013) 79-83
25	B. Janardhan, V. Ravibabu, G. Rajitha, **B. Rajitha** and Peter A. Crooks.	Highly efficient conversion of fused 2-amino-4-aryl-4*H*-chromene-3-carbonitriles into fused 2-oxo-4-aryl-2*H*-chromene-3-carbonitriles using Vilsmeier conditions.	Tetrahedron Letters 54 (2013) 3862-3864
26	B. Janardhan, B. Rajitha, **B. Rajitha** and Peter A. Crooks.	Facile one-pot multicomponent synthesis of 2-amino-6-(2-oxo-2*H*-chromen-3-yl)-4-arylpyridine-3-carbonitriles using Brønsted acidic ionic liquid as catalyst under solvent-free conditions.	Iranian Journal of Catalysis 3 (2013) 41-47
27	V. Ravibabu, B. Janardhan and **B. Rajitha**	Poly(4 vinylpyridinium) hydrogen sulfate catalyzed an efficient and eco-friendly protocol for the synthesis of 9-pyrazolyl substituted-1,8-acridinediones in aqueous medium	VRI Biolological Medicinal Chemistry 1 (2013) 32-37
28	B. Suresh Kuarm, Peter A. Crooks and **B. Rajitha.**	An expeditious synthesis of quinoxalines by using biodegradable cellulose sulfuric acid as a solid acid catalyst.	Green Chemistry Letters and Reviews 6 (2013) 228-232
29	V. Rajeswar Rao and V. Srinivas	Facile one-pot, Three-component synthesis of Benzo[a]Naphthacene-8,13-Diones.	Synthetic Communications, 2012, 42, 388-393.
30	V. Rajeswar Rao and Ch. V. Sreenivasa Rao	One-pot synthesis of 1,3,4-thiadiazine-5- yl-chromen-2-one derivatives via three component reaction.	Synthetic communications, 2012, 42, 1454-1460.
31	V. Rajeswar Rao and Ch. V. Sreenivasa Rao	Synthesis Of Coumarin-Substituted 1, 3, 4-thiadiazine-2-thiones and 1,3-thiazoline-2-thiones.	Synthetic communications, 2012, 42, 2014-2021.
32	V. Rajeswar Rao and P. Santhosh	A facile one-pot synthesis of thiazoles and thiazolyl-pyrazole derivatives via multicomponent approach.	Organic communications, 2012, 5:3,143-149.
33	V. Rajeswar Rao and P. Santhosh	New, Convenient,One-pot method for the synthesis of thiazolyl-pyrazolones from dehydroacetic acid derivatives via a multi component approach.	Synthetic communications, 2012, 42, 3395-3402.

34	V. Rajeswar Rao and Sreenivasa Rao	One-pot synthesis of aryl(hetaryl) thiazolyl-pthalazine-1,4-diones via multicomponent approach.	Chemistry of Heterocyclic compounds, 2013, 4, 628-632.
35	K. Koteshwara Reddy, K. V. Gobi	Activated Direct Electron transfer of NanoAu Bioconjugates of Cytochrome c for Electrocatalytic Detection of trace levels of Superoxide dismutase Enzyme	Electrochimica Acta 78 (2012)109-114
36	K. Koteshwara Reddy, K. V. Gobi	Artificial Molecular Recognition Material Based Biosensor for Creatinine by Electrochemical Impedance Analysis	Sensors and Actuators B 183 (2013)356-363
37	Bhavani K.,Srilakshmi V, Patri	Synthesis and gene transfer Activities of Novel Serum compatible reducible Tocopherol- based cationic Lipids	Molecular pharmaceutics 9 (2012) 1146-1162
38	Santhoshkumar, T. Surender, Arabinda Baurah and Vishnu Shanker	Synthesis of a novel and stable g-C_3N_4 – Ag_3PO_4hybrid nanocomposite photocatalyst and study of the photocatalytic activity under visble light irradiation	Journal of Materials Chemistry A, 88 (2013) 1-10
39	B. Vijaya Kumar, Radha Velchuri, G. Prasad, C. Bansal and M. Vithal	Preparation, Characterization, Photocatalytic activity & Conductivity of $BiLnZr_2O_7$ (Ln = La, Sm, Eu & Gd)	Materials Chemistry and Physics 136 (2012) 439-447
40	B. Vijaya Kumar, Naveen Kumar Veldurthi, J.R. Reddy and M. Vithal	Solvothermal synthesis, Characterization, Luminescence and Photocatalytic activity of Bi_2WO_6 : Eu nanocrystals	Micro and Nano Letters 7 (2012) 544-548
41	G. Ravi, Suresh Palla, J. R. Reddy, Naveen Kumar Veldurthi, B. Vijaya Kumar, M. Vithal	Photocatalytic and Conductivity Studies of Bi^{3+} Substituted $La_2Zr_2O_7$	International Journal of Green Nanotechnology 4 (2012) 360–367

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ii) Peer – Reviewed National Journal Publications

S. No.	Authors (*)	Title of the Paper	Journal Details (Journal, Year, Vol., pp)
1	B. V. Appa Rao and S. Srinivasa Rao	Synergistic inhibition of corrosion of carbon steel by the ternary formulations containing phosphate, Zn (II) and ascorbic acid	*Research Journal of Recent Sciences*, 1 (2012) 93-98.
2	N. Venkatathri, M. Nookaraju, A. Rajini, I.A.K. Reddy	Encapsulation of ibuprofen over mesoporous nanocrystalline hollow silica cuboids	Indian Journal of Chemistry -Section A, 52A (2013) 619-623.
3	A. Rajini, M. Nookaraju, I.A.K. Reddy, N. Venkatathri,	A novel zeotype palladium dodecylamino phosphate : Efficient catalyst for the Suzuki coupling reactions,	Bull. Catal. Soc. India, 12 (2013) 9.
4	M. Nookaraju, A. Rajini, I. Ajit Kumar Reddy and N. Venkatathri,	Catalytic degradation of Rhodamine B over FeMCM-41,	Asian Journal of Chemistry, 24(12) (2012) 5817-5820.
5	N.Venkatathri, A.Rajini, M.Nookaraju, I.A.K. Reddy	Influence of catalyst and solvent on preparation of silica solid core mesoporous shell	J. Ind. Chem. Soc. 89 (2012) 615
6	V. Rama Devi, B. Vijaya Kumar. Radha Velchuri, Palla Suresh, G. Ravi and M. Vithal	Effect of Crystallite size on Electron Spin Resonance of Gd^{3+} and Luminescence of Eu^{3+} doped in La_6WO_{12}	"Indian Journal of Engineering and Materials Science" 19 (2012) 204-208

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B. *Presentations in Conference / Symposia etc.,*

I) International Presentations

S. No.	Authors (*)	Title of the Paper	Oral / Poster	Event Details (Event, Place, Dates)
1	Krishna V and **Ramachandraiah A**	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		2nd International Conference on "Trends in Chemical Sciences Going Beyond Frontiers" held on 10-12th June. 2012, OP-108 at Indian Council of Chemist, Malaysia
2	Krishna V, Srinivasa Rao G and **A. Ramachandraiah**	Electrochemical Behavior of A Double Diphenylether-Bridged Binuclear Copper (II) Schiff Base Complexes in Non-Aqueous Media		2nd International Conference on "Trends in Chemical Sciences Going Beyond Frontiers" held on 10-12th June. 2012, OP-108 at Indian Council of Chemist, Malaysia
3	Srinivasa Rao G, Krishna V and **A. Ramachandraiah**	Spectral and Electrochemical Investigation of Some Aromatic Azo Dyes in Different Buffers		2nd International Conference on "Trends in Chemical Sciences Going Beyond Frontiers" held on 10-12th June. 2012, OP-(Accepted) at Indian Council of Chemist, Malaysia
4	Gudipati Srinivasa Rao and **Ramachandraiah A**	Spectral, Electrochemical and Molecular Modelling Studies of (N4E, N4'E)-3,3'-dimethyl-N4,N4'-bis (pyridin-2-ylmethylene)biphenyl-4,4'-diamine		"International Conference on Emerging Trends in Chemical Sciences (ICETCS)", held during March 14 – 15, 2013, Central University of Gujarat
5	B. Janardhan and B. Rajitha	Highly efficient conversion of fused 2-amino-4-aryl-4*H*-chromene-3-carbonitriles into fused coumarin-3-carbonitriles	Poster	2nd UK-India MedChem Congress" CSIR-Ind Instt of Chemical Technology, Hyd, India during 22-23 March, 2013
6	N. Venkatathri, A. Rajini, M. Nookaraju, K. Sowri Babu, **I.A.K. Reddy,**	Amorphous porous nano silica synthesis: Influence of organic amines as catalyst and template,		**Nanotech 2013**, Washington, D.C., **U.S.A.**, 12-16th May 2013.
7	N. Venkatathri, K. Vijayamohanan Pillai, A. Rajini, M. Nooka Raju, **I.A.K. Reddy,**	Titanium Solid core Mesoporous shell silica : A novel efficient catalyst for ammoximation reactions, 2nd		International Conference Trends in Chemical Sciences Going Beyond Frontiers, Hotel Pearl International, Kuala Lumpur, Malaysia, 10-12 June 2012
8	M. Nooka Raju, N. Venkatathri, **I.A.K. Reddy**	Synthesis, Characterization and Catalytic Applications of Acid Functionalized Mesoporous Silica, ,		2nd International Conference Trends in Chemical Sciences Going Beyond Frontiers, Hotel Pearl International, Kuala Lumpur, Malaysia, 10-12 June 2012.
9	P. Kavitha, **K. Laxma Reddy**	Pd(II) complexes bearing chromone based Schiff bases: Synthesis, characterization and biological activity studies	Poster	43rd National organic Chemistry Symposium, Washington University, seattle, USA, 23-27, June 2013
10	K. Koteshwara Reddy, **K. V. Gobi**	Electrochemical Sensor For Biomedical Markers using Molecular Imprinted Polymers	Poster	63rd Annual Meeting of the International Society of Electrochemistry, Prague, Czech Republic, August 19 – 24, 2012.

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f) National Presentations

S. No.	Authors (*)	Title of the Paper	Oral / Poster	Event Details (Event, Place, Dates)
1	B.V.Appa Rao and M.Narsimha Reddy,	Inhibitor formulations for mitigation of microbially influenced corrosion of Cu–Ni (90/10) alloy in seawater environment"		International Corrosion Prevention Symposium for Research Scholars (CORSYM-2013) organized by NACE Nigis South Zone Student Section and held at Hotel GRT Grand, Chennai, India during February 28th to March 2nd 2013.
2	B.V.Appa Rao and M.Narsimha Reddy,	"corrosion protection of copper by self assembled nano film of 1-octadecyl-1H-benzimidazole"		International Corrosion Prevention Symposium for Research Scholars (CORSYM-2013) organized by NACE Nigis South Zone Student Section and held at Hotel GRT Grand, Chennai, India during February 28th to March 2nd , 2013.
3	M.Narsihma Reddy, B.V. Appa Rao	Self assembled nano film of 1-octadecyl-1h-imidazole for corrosion protection of copper for application in microelectronic packaging"		4th National Symposium for Materials Research Scholars (MR-12) held at Department of Metallurgical Engineering and Materials Science, Indian Institute of technology Bombay (IITB) during 4th to 5th May, 2012.
4	G. Srinivasa Rao, A. Ramachandraiah	Spectral, electrical and molecular modeling studies of (N^4E, N^4E)-3,3'-dimethyl- N^4,N^4'-bis (pyridine-2-ylmethylene)biphenyl-4,4'-diamine	Oral	Gandhinagar, Gujarat, March 14-15, 2013
5	T. Ramesh, P.Nageswara Rao, R. Nageswara Rao	An efficient RP-HPL method for the quantitative determination of dobutamine in rat plasma, suitable for bioequivalence and pharmacokinetics studies in healthy rat subjects	Oral	Gandhinagar, Gujarat, March 14-15, 2013
6	M. Nooka Raju, A. Rajini, N. Venkatathri, I.A.K. Reddy,	Synthesis of 1–Amido Alkyl 2 Naphthols using sulphonic acid functionalized MCM-41 21st National symposium on Catalysis for Sustainable Development (CATSYMP-21),		Indian Institute of Chemical Technology, Hyderabad 500 607, India 10-13 February 2013.
7	A. Rajini, M. Nooka Raju, I.A.K. Reddy, N. Venkatathri,	Vanadium n-propylamino phosphate : Synthesis, characterization and Catalytic applications, 21st National symposium on Catalysis for Sustainable Development (CATSYMP-21),		Indian Institute of Chemical Technology, Hyderabad 500 607, India 10-13 February 2013.
8	A. Rajini, A. Ajay Kumar, M. Nookaraju, N. Venkatathri, I.A.K. Reddy,	Vanadium dodecylamino phosphate: efficient catalyst for the room temperature synthesis of polyhydroquinolines, Recent Advances in Surface Science,		Department of Chemistry, Gandhigram Rural Institute (Deemed university), Gandhigram, 14-15 February, 2013.
9	M. Nookaraju, A. Rajini, A. Ajay Kumar, I.A.K. Reddy, N. Venkatathri,	Influence of various organic amines on Size and Shape of silica nanosphere Recent Advances in Surface Science,		Department of Chemistry, Gandhigram Rural Institute (Deemed university), Gandhigram, 14-15 February, 2013.
10	A. Rajini, M. Nookaraju, K. Selvaraj, I.A.K. Reddy, N. Venkatathri	A novel Titanium n-propylamino phosphate catalyst : Synthesis, characterization, crystal violet photo catalytic degradation studies,		31st Annual conference of Indian Council of Chemists, Department of Chemistry, Saurashtra university, Rajkot, Gujarat, 26-28 December 2012.
11	M. Nooka Raju, A. Rajini, I.A.K. Reddy, N. Venkatathri,	Phosphotungsticacid Functionalized MCM-41: An Efficient Catalyst for Knovenagel Reaction,		31st Annual conference of Indian Council of Chemists, Department of Chemistry, Saurashtra university, Rajkot, Gujarat, 26-28 December 2012.
12	M. Nooka Raju, A. Rajini, I.A.K. Reddy, N. Venkatathri	Synthesis and characterization of novel Titanium containing solid core Mesoporous silica, ,		National conference on Chemistry for sustainable development (SusCon – 2012), Gitam university, Vizakapatnam, 10-11 October 2012.

13	M. Nooka Raju, A. Rajini, **I.A.K. Reddy, N. Venkatathri**	Catalytic degradation of Rhodamine B over FeMCM-41,		International conference on Global trends in pure and applied Chemical Sciences (ICGTCS-2012), Asian Journal of Chemistry, Inder Residency, Udaipur, Rajasthan, 3-4 March 2012.
14	**K. V. Gobi,** K. Koteshwara Reddy	Electrochemical and Electrocatalytic Investigation of thin film of Nano Au Bioconjugates of Cytochrome c for Detection of Superoxide Dismutase Enzyme	Oral	Fifth ISEAC triennial International conference on Advances and Recent Trends in Electrochemistry, Hyderabad, India, January, 16 – 20, 2013.
15	Satyanarayana M **K. V. Gobi**	Electrochemical detection of Isoniazid Using Carbon Nanotubes - Chitosan Biocomposite modified electrode	Poster	Fifth ISEAC triennial International conference on Advances and Recent Trends in Electrochemistry, Hyderabad, India, January, 16 – 20, 2013.
16	K. Koteshwara Reddy, **B. V. Appa Rao, K. V. Gobi**	Development of Molecular Imprinted Polymer based Electrochemical Sensor for Selective Detection of Serotonin.	Poster	INDO-US workshop on Electrocatalytic Materials for Fuel and Biofuel Cells, Varanasi, India, February, 26 – 28, 2013
17	Satyanarayana M **K. V. Gobi**	Electrochemical detection of Isoniazid at Carbon Nanotubes - Biopolymer matrix Modified electrode	Poster	INDO-US workshop on Electrocatalytic Materials for Fuel and Biofuel Cells, Varanasi, India, February, 26 – 28, 2013

* ***Name of the Faculty of the Department to be emboldened***

MATHEMATICS DEPARTMENT:

A. Publications

i) Peer – Reviewed International Journal Publications

S. No.	Authors (*)	Title of the Paper	Journal Details (Journal, Year, Vol., pp)
1.	**G.R.K.Acharya,** A.V.Ramana Kumari	Effect of Slip and magnetic Field on Peristaltic Flow in an inclined Channel with wall Effects	International Journal of Biomathematics, 2013
2.	**G.R.K.Acharya,** A.V.Ramana Kumari	Effect of Slip on Peristaltic Transport of Herschel-Bulkley Fluid in an inclined channel with wall properties	Tamkang Journal of Engineering and Science, 2013
3.	**Y.N.Reddy,** P.Padmaja	A Nonstandard Explicit Method for Solving Singularly Perturbed Two Point Boundary Value Problem	Int. J. of Appl. Math. and Mech., 2012, 8(2), pp.62-76.
4.	**Y.N.Reddy,** G.B.S.L.Sowjanya	Numerical Integration Method for Singularly Perturbed Delay Differential Equations	International Journal of Applied Science and Engineering, 2012, Vol.3, pp249-261
5.	**Y.N.Reddy,** Hari Shankar Prasad	Numerical solution of singularly perturbed differential-difference equations with small shiftsof mixed type by Differential Quadrature Method	American Journal of Computational and Applied Mathematics, 2012, Vol-2, No-1, pp:46-52.
6.	**Y.N.Reddy,** Hari Shankar Prasad	Fitted Van Veldhuizen finite difference methodfor singular perturbation problems with layer behaviour	International e Journal of Mathematics and Engineering, 2012, 153, pp:1399-1410.
7.	**Y.N.Reddy,** K.Phanindra, D.Kumara Swamy	Numerical treatment of Singularly Perturbed Delay Differential Equations	IOSR Journal of Mathematics, 2012, Vol:1(1)
8.	**Y.N.Reddy,** P.Padmaja	Boundary value method for solving singular perturbation problems via Pade' approximates	International Journal of Applied Science and Engineering, 2012
9.	**Y.N.Reddy,** P.Padmaja	A Numerical Scheme for Nonlinear Singularly Perturbed Two point Boundary Value Problems using Locally Exact Integration	IOSR Journal of Mathematics, 2012
10.	**Y.N.Reddy,** A.Awoke	An Asymptotic - Fitted Method for Solving Singularly Perturbed Delay Differential Equations	Applied Mathematics, 2012, Vol: 3, pp:895 -900
11.	**Y.N.Reddy,** G.B.S.L.Sowjanya	An Asymptotic - Numerical Method for Third-Order Singular Perturbation Problems	International Journal of Applied Science and Engineering, 2012, Vol: 3, pp.241-248
12.	**Y.N.Reddy,** A.Awoke	Two Initial Value Problems Approach for Solving Singular Perturbations Problems	American Journal of Computational Mathematics, 2012, 2, pp.213-216

13.	**K.N.S.Kasi Viswanadham,** Y.Showri Raju	Quintic B-spline collocation method for tenth order boundary value problems	International Journal for Computers and Applications, 2012, Vol.51(15), pp.7-14
14.	**K.N.S.Kasi Viswanadham,** B.Sreenivasulu	Cubic B-spline Galerkin method for fourth order boundary value problems	International Journal Engineering Science and Innovative Technololgy, 2013, Vol. 2(3), pp.41-53
15.	**K.N.S.Kasi Viswanadham,** Y.Showri Raju	Septic B-spline collocation method for eighth order boundary value problems	Proceedings of 57th Congress of ISTAM, 2012, pp.243-250
16.	**D.Dutta,** Pavan Kumar	A Goal programming approach using trapezoidal membership function for fuzzy multi-objective linear fractional optimization	Int J of Applied Mathematics & Applications, 2012, Vol.4(1), pp.51-60,
17.	**D.Dutta,** Pavan Kumar	Fuzzy inventory model without shortage using trapezoidal fuzzy number with sensitivity analysis	IOSR J of Mathematics, 2012, Vol.4(3), pp.32-37
18.	**D.Dutta,** Pitam Singh	Sum of linear ratios multiobjective programming problem: A fuzzy goal programming approach	Nonlinear Dynamics & Systems Theory, 2012, Vol.12(3), pp.289-302
19.	**D.Srinivasacharya,** M.Krishna Prasad	Steady rotation of a composite sphere in a concentric spherical cavity	Acta Mech. Sin., 2012, 28(3), pp.653–658
20.	**D.Srinivasacharya,** M.Krishna Prasad	Creeping motion of a porous approximate sphere with impermeable core in a spherical container	European J. Mech. B/Fluids, 2012, Vol. 36, pp.104–114
21.	**D.Srinivasacharya,** Ch.Ram Reddy	Mixed Convection in a Doubly Stratified Micropolar Fluid Saturated Non-Darcy Porous Medium	Canadian J. Chemical Engg., 2012, Vol.90, pp.1311-1322
22.	**D.Srinivasacharya,** K.Kaladhar	Mixed convection flow of Couple Stress Fluid between two circular cylinders with Hall and Ion-slip effects	Turkish J. Eng. Env. Sci, 2012, Vol.36, pp.226–235
23.	**D.Srinivasacharya,** Mekonnen Shiferaw	MHD micropolar fluid flow through a tube of varying cross-section with permeable wall	Selcuk J App Maths., 2012, Vol.13, No.1, pp.11-21
24.	**D.Srinivasacharya,** M.Krishna Prasad	Steady rotation of a porous sphere in a spherical container - Stress jump boundary condition	Journal of Porous Media, 2012, Vol.15 (12), pp.1105–1110
25.	**D.Srinivasacharya,** K.Kaladhar	Mixed Convection Flow Of Couple Stress Fluid In A Non-Darcy Porous Medium With Soret And Dufour Effects	Journal of App. Sci. and Engg., 2012, Vol 15(4), pp.415-422
26.	**D.Srinivasacharya,** G.Swamy Reddy	Chemical reaction and radiation effects on natural convection in porous medium saturated with power-law fluid	Frontiers in Heat and Mass transfer, 2012, Vol. 3, 043008: pp. 1-9
27.	**D.Srinivasacharya,** G.Swamy Reddy	Effect of double stratification on mixed convection in a power-law fluid saturated porous medium	Int. J. Heat and Tech., 2012, Vol.30(2), pp.141 - 146
28.	**D.Srinivasacharya,** Ch.Ram Reddy	Effect of Double Stratification on Mixed Convection in a Micropolar Fluid	MATHEMATIKA, 2012, Vol.28(2), pp.133–149
29.	**D.Srinivasacharya,** G.Swamy Reddy	Double Diffusive Natural Convection in Power-law fluid Saturated Porous Medium with Soret and Dufour effects	J. of the Braz. Soc. of Mech. Sci. and Engg., 2012, Vol.XXXIV, No.4, pp.525-530,
30.	**D.Srinivasacharya,** M.Krishna Prasad	Axisymmetric motion of a porous approximate sphere with an impermeable core	Eur. Phys. J. Plus, 2013, Vol 128 : 9, pp 1-9
31.	**D.Srinivasacharya,** Ch.Ram Reddy	Cross-Diffusion Effects on Mixed Convection from an Exponentially Stretching Surface in Non-Darcy Porous Medium	Heat Transfer – Asian Research, 2013, Vol.42(2), pp.111-124
32.	**P.Muthu,** Tesfahun Berhane	Mathematical model of flow in renal tubules by considering slip condition	Special Topics and Reviews in Porous Media (STRPM) - An International Journal, 2012, Vol.03, issue 4
33.	A.V.Ramana Kumari, **G.R.K.Acharya, P.Muthu**	Effect of slip on peristalsis with permeable walls	Journal of Applied Mathematics and Fluid Mechanics(JAMFM), Canada, 2012
34.	**Srinivasacharya D, Pranitha J** and Ram Reddy Ch	Magnetic and Double Dispersion Effects on Free Convection in a Non-Darcy Porous Medium saturated with Power-Law Fluid	Int.J. of Computational Methods in Engineering Science & Mechanics, 2012, Vol. 13(3), pp.210-218
35.	**H.P.Rani,** T.Divya	Flow analysis under FAC conditions in double elbow pipe	Inter. Conference on Mathematical Modeling and Applied Soft Computing, 11-13, July 2012, Paper No.645.
36.	**H.P.Rani,** G.Janardhan Reddy	Heatlines and masslines visualization for unsteady couple stress fluid flow past a vertical cylinder	Inter. Conference on Mathematical Modeling and Applied Soft Computing, 11-13, July 2012, Paper No.723
37.	**Nachiketa Mishra,** Prof.Y.V.S.S.Sanyasi Raju	Exponential Compact Higher Order Scheme for Steady Incompressible Navier-Stokes Equations	Engineering Applications of Computational Fluid Mechanics, 2012, Vol. 06, No.4, pp.554-568.

Name of the Faculty of the Department to be emboldened

ii) *Peer – Reviewed National Journal Publications*

S. No.	Authors (*)	Title of the Paper	Journal Details (Journal, Year, Vol., pp)
1.	**D.Srinivasacharya,** M.Krishna Prasad	Creeping motion of a porous sphere with impermeable core in a spherical container	Indian J. Theor. Physics, 2012, Vol.60 (1), pp.35-52
2.	**H.P.Rani,** T.Divya, R.R.Sahaya, Vivekananda Kain and D.K.Barua	CFD study of flow accelerated corrosion in elbows	CORCON, East Asia Pacific area corrosion conference and Expo, Goa, 26-29, Sep., 2012, Paper No.2012

* *Name of the Faculty of the Department to be emboldened*

B. *Presentations in Conference / Symposia etc.,*

i) *International Presentations*

S. No.	Authors (*)	Title of the Paper	Oral / Poster	Event Details (Event, Place, Dates)
1.	**D.Srinivasacharya,** K.Kaladhar	Natural convection flow of chemically reacting couple stress fluid in a vertical channel with Soret and Dufour effects	Oral	57th Congress of ISTAM, DIET, Pune, 17-20, December, 2012
2.	**D.Srinivasacharya,** M.Krishna Prasad	Slow steady rotation of a porous spherical shell in a spherical container	Oral	57th Congress of ISTAM, DIET, Pune, 17-20, December, 2012
3.	**D.Srinivasacharya,** G.Swamy Reddy	Natural convection on a Vertical plate Embedded in a Power-law fluid Saturated Porous Medium in Presence of Double stratification effects	Oral	57th Congress of ISTAM, DIET, Pune, 17-20, December, 2012
4.	**D.Srinivasacharya,** M.Upender	Mixed Convection in MHD Micropolar Fluid with Soret and Dufour Effects	Oral	57th Congress of ISTAM, DIET, Pune, 17-20, December, 2012
5.	**D.Srinivasacharya,** Surender Ontela	Non-Darcy free convection in doubly stratified porous Medium	Oral	57th Congress of ISTAM, DIET, Pune, 17-20, December, 2012
6.	**J.V Ramana Murthy,** J. Srinivas	Second Law Analysis of Flow of Immiscible Micropolar Fluids in a Channel	Oral	57th Congress of ISTAM, DIET, Pune, 17-20, December, 2012
7.	**J.V Ramana Murthy,** M. Phani Kumar	Uniform flow of Viscous Fluid past a sphere by Homotopy Analysis	Oral	57th Congress of ISTAM, DIET, Pune, 17-20, December, 2012
8.	**K.N.S.Kasi Viswanadham,** Y.Showri Raju	Quintic B-Spline Collocation Method for Tenth Order Boundary Value Problems	Oral	57th Congress of ISTAM, DIET, Pune, 17-20, December, 2012
9.	**K.N.S.Kasi Viswanadham,** B.Srinivasulu	Numerical solution of fourth order boundary value problems by Galerkin method with cubic B-splines	Oral	57th Congress of ISTAM, DIET, Pune, 17-20, December, 2012

* *Name of the Faculty of the Department to be emboldened*

ii) *National Presentations*

S. No.	Authors (*)	Title of the Paper	Oral / Poster	Event Details (Event, Place, Dates)
1.	**D.Srinivasacharya,** K.Kaladhar	Mixed Convection flow of chemically reacting Couple Stress fluid in an annulus with Soret and Dufour effects	Oral	21st Congress of APSMS, Sri Venkateswara University, 7-9, Dec, 2012
2.	**D.Srinivasacharya,** M.Krishna Prasad	Axi-symmetric motion of a porous approximate sphere in an approximate spherical container	Oral	21st Congress of APSMS, Sri Venkateswara University, 7-9, Dec, 2012
3.	**D.Srinivasacharya,** G.Swamy Reddy	Chemical reaction and Radiation effects on Mixed Convection in Power-law fluid saturated Porous Medium	Oral	21st Congress of APSMS, Sri Venkateswara University, 7-9, Dec, 2012
4.	**D.Srinivasacharya,** M.Upender	Effect of Double Stratification on MHD Free Convection in a Micropolar Fluid	Oral	21st Congress of APSMS, Sri Venkateswara University, 7-9, Dec, 2012
5.	**D.Srinivasacharya,** Surender Ontela	Non-similarity solutions for Free convection from a vertical surfaces in doubly stratified porous medium	Oral	21st Congress of APSMS, Sri Venkateswara University, 7-9, Dec, 2012
6.	**J.V Ramana Murthy,** J. Srinivas	Second law analysis of MHD flow of immiscible micropolar fluids in a channel	Oral	21st Congress of APSMS, Sri Venkateswara University, 7-9, Dec, 2012
7.	**K.N.S.Kasi Viswanadham,** Y.Showri Raju	Sextic B-Spline Collocation Method for Eighth Order Boundary Value Problems	Oral	21st Congress of APSMS, Sri Venkateswara University, 7-9, Dec, 2012

8.	**K.N.S.Kasi Viswanadham,** B.Srinivasulu	Cubic B-spline Galerkin method for fourth order boundary value problems	Oral	21st Congress of APSMS, Sri Venkateswara University, 7-9, Dec, 2012
9.	**J.Pranitha , D.Srinivasacharya**	Non-Darcy Free Convection in a Power-Law Fluid in the Presence of Magnetic Field and Stratification with Soret and Dufour Effects	Oral	21st Congress of APSMS, Sri Venkateswara University, 7-9, Dec, 2012
10.	**Kurmayya Tamminana**	Nonnegative Moore-Penrose inverses of Matrices	Oral	21st Congress of APSMS, Sri Venkateswara University, 7-9, Dec, 2012
11.	D.Bhargavi, V.V.Satyamurty	On Viscous Dissipation Modelling for Flows through Porous Media	Oral	21st Congress of APSMS, Sri Venkateswara University, 7-9, Dec, 2012
12.	K. Phaneendra, **Y.N. Reddy**	Computational method for Singularly Perturbed Singular Boundary Value Problem using Non - Polynomial Spline	Oral	21st Congress of APSMS, Sri Venkateswara University, 7-9, Dec, 2012

* ***Name of the Faculty of the Department to be emboldened***

PHYSICS DEPARTMENT

A. Publications

i) Peer – Reviewed International Journal Publications

S. No.	Authors (*)	Title of the Paper	Journal Details (Journal, Year, Vol., pp)
1.	D. Sengupta, **M. Sai Shankar, K. Srimannarayana** et al.	Sensing of hydrostatic pressure using FBG sensor for liquid level measurement	Microwave and Optical Technology letters- wiley, Vol.54, No.7, July 2012.
2.	P. Kishore, **D.Dinakar, M.Sai Shankar, K. Srimannarayana,** P.Vengal Rao, D.Sengupta	Non-Contact Vibration Sensor Using Bifurcated Bundle Fiber for Real Time Monitoring of Diesel Engine	International Journal of Optoelectronic Engineering 2012, 2(1), pp-4-9.
3.	P.Vengal Rao, **K.Srimannarayana, M.Sai Shankar,** P. Kishore, **D.Dinakar,** and P. Saidi Reddy	A diaphragm based low-cost fiber optic pressure sensor	Microwave and Optical technology letters/Vol.54, No.10, PP.2229-31, October 2012.
4.	P. Kishore, **D.Dinakar,** P.Vengal Rao, **M.Sai Shankar,** D. Sengupta, **K.Srimannarayana**	A Fiber Optic Speedometer using Bifurcated Bundle Fiber	Journal of Emerging Trends in Engineering and Applied Sciences (JETEAS) 3(4) 699-701, 2012 (ISSN:2141-7016)
5.	P. Kishore, **D.Dinakar, K.Srimannarayana,** P.Vengal Rao	An Etched Optical Fiber as a Vibration Sensor	Microwave and Optical technology Letters/Vol.55, No.1, January 2013 pp. 75-79.
6.	P. Kishore, **D.Dinakar, K.Srimannarayana,** P.Vengal Rao	Etched optical fiber vibration sensor to monitor health condition of beam like structures	Photonic Sensors, Vol.3, no.2, pp. 124-130, 2013.
7.	P. Kishore, **D.Dinakar, K.Srimannarayana** & P.Vengal Rao	Fiber Optic Fused 1x2 Coupler as a Vibration Sensor	Optica Applicata, Issue 4, vol.43, 2013.
8	**Sourabh Roy,** A. Willinger et al.	Narrow band optical parametric gain in slow mode engineered GaInP photonic crystal waveguides	Optics Letters, Vol. 37, No. 14, pp. 2919-2920, July 2012
9	A.Willinger, **Sourabh Roy,** M. Santagiustina, et al.,	Parametric gain in dispersion engineered photonic crystal waveguides	Optics Express, Vol. 21, Issue 4, pp. 4995-5004. February 2013.
10	Ch. Sujatha, **K. Venugopal Reddy,** K. Sowri Babu, **A. RamaChandra Reddy,** K.H.Rao	Structural and magnetic properties of Mg substituted NiCuZn Nanoferrites	Physica B 407 (2012) pp.1232 - 1237.
11	Ch.Sujatha, **K.Venugopal Reddy,** K.Sowri Babu, **A.RamaChandra Reddy,** K.H.Rao	Effects of heat treatment conditions on the structural and magnetic properties of MgCuZn nanoferrite	Ceramics International 38 (2012) pp.5813-5820
12	Ch.Sujatha, **K.Venugopal Reddy,** K.Sowri Babu, **A.RamaChandra Reddy,** K.H.Rao	Effect of sintering temperature on Electromagnetic properties of NiCuZn ferrite	Ceramics International 39 (2013) pp.3077-3086.
13	Ch.Sujatha, **K.Venugopal Reddy,** K.Sowri Babu, **A.RamaChandra Reddy,** M.Buchi Suresh, K.H.Rao	Effect of co substitution of Mg and Zn on electromagnetic properties of NiCuZn ferrites	Journal of Physics and Chemistry of Solids74(2013)pp.917-923
14	Ch.Sujatha, **K.Venugopal Reddy,** K.Sowri Babu, **A.RamaChandra Reddy,** M.Buchi Suresh ,K.H.Rao.	Effect of Mg substitution on electromagnetic properties of NiCuZn ferrite	Journal of Magnetism and Magnetic Materials 340 (2013)pp.38-45.
15	Venkat Reddy M, Ghanshyam, M.K.Patel, **K.Venugopal Reddy** and Pawan Kapur	Electrostatic Hand Pressure Swirl Nozzle For small crop Growers	International journal of Applied Science and technology Research Excellence, Vol 2, 2012.

16	K.Sowri Babu, **A.RamaChandra Reddy**, Ch.Sujatha, **K.Venugopal Reddy**	Effects of precursor, temperature, surface area and excitation wavelength on photo luminescence of ZnO/mesorpous silica nano composite	Ceramic International Vol 39,2013
17	K.Sowri Babu, **A.RamaChandra Reddy**, Ch.Sujatha, **K.Venugopal** Reddy.	Optimization of UV emission intensity of ZnO nanoparticles by changing the excitation wavelength	Materials Letters vol 99, 2013.
18	K.Sowri Babu, **A.RamaChandra Reddy**,Ch.Sujatha, **K.Venugopal Reddy**	Effect of Mg doping on Photoluminescence of ZnO/MCM-41 ano composite	Ceramic International, 2012
19	**P. Abdul Azeem**, M. Kalidasan, K. Rama Gopal, R.R. Reddy	Spectroscopic investigations on Tb^{3+} doped lead fluoroborate glasses	Optics Communications 285 (2012) 3787–3791

* ***Name of the Faculty of the Department to be emboldened***

ii) Peer – Reviewed National Journal Publications

S. No.	Authors (*)	Title of the Paper	Journal Details (Journal, Year, Vol., pp)
1	K. Samrajyam, **B.Sobha**	Microcontroller based low cost strain measurement in a single ended cantilever beam using a plastic optical fiber	Physics Education, Apr-June 2012

* ***Name of the Faculty of the Department to be emboldened***

B. Presentations in Conference / Symposia etc.,

i) International Presentations

S. No.	Authors (*)	Title of the Paper	Oral / Poster	Event Details (Event, Place, Dates)
1	P. Kishore, **D.Dinakar**, P.Vengal Rao, **M.Sai Shankar**, D. Sengupta, **K.Srimannarayana**	An etched Fiber optic vibration sensor to monitor the simply supported beam	Poster	SPIE Photonics Europe, Belgium, April, 2012 Proc. of SPIE Vol. 8439-89, PP 84392F-1 to 7.
2	P.Vengal Rao, **K. Srimannarayana**, P. Kishore, **M.Sai Shankar**, D.Sengupta, P. Saidi Reddy	Development of high sensitivity pressure sensor using reduced clad FBG .	Poster	SPIE Photonics Europe, Belgium, April, 2012 Proc. of SPIE Vol. 8439 84392G-1 to 7.
3	D. Sengupta, **M.Sai Shankar**, P. Saidi Reddy, **R.L.N.Sai Prasad**, **K.Srimannarayana**	An FBG based hydrostatic pressure sensor for liquid level measurements	Poster	SPIE Photonics Europe, Belgium, April, 2012 Proc. of SPIE Vol. 8426, 84260C-4.
4	P.Vengal Rao, **K.Srimannarayana, M.Sai Shankar**, P. Kishore	Diaphragm based high sensitive FBG pressure sensor	Oral	International conference on optics in precision Engineering and Nano technology (ICOPEN-2013), Singapore Proc. Of SPIE, Vol.8769-239, 2013
5	P. Kishore, **D.Dinakar**, **K.Srimannarayana**, P.Vengal Rao	A simple 1x2 Plastic optical fiber based vibration sensor	Oral	International conference on optics in precision Engineering and Nano technology (ICOPEN-2013), Singapore Proc. of SPIE, Vol.8769-237, 2013
6	**Sourabh Roy**, M. Santagiustina et al.,	Slow-light engineered photonic crystal waveguide: Propagation and parametric gain properties	Oral	XIX RiNem, 10-14 September, 2012, Rome, Italy

* ***Name of the Faculty of the Department to be emboldened***

ii) National Presentations

S. No.	Authors (*)	Title of the Paper	Oral / Poster	Event Details (Event, Place, Dates)
1.	**D. Dinakar**, P.Vengal Rao, P. Kishore, **K.S.Srimannarayana, M. Sai Shankar**, S. Ravi Prasada Rao	A Simple Plastic Optical Fiber Force Sensor	Poster	Internation Conference on Optical Engineering (ICOE) held at Vishwesvaraya Technological University, Belgaum on 26-28 April, 2012.
2	**Sourabh Roy**, M. Santaguistina et al.	Narrowband optical parametric amplification in Slow-light engineered GaInP Photonic crystal waveguide	Oral	Photonics 2012, IIT Madras, 9-12 December, 2012

* *Name of the Faculty of the Department to be emboldened*

HUMANITIES AND SOCIAL SCIENCES DEPARTMENT

A. Publications

i) Peer – Reviewed International Journal Publications

S. No.	Authors (*)	Title of the Paper	Journal Details (Journal, Year, Vol., pp)
1.	**Vishwanathan , M.R.**	Overcoming situational constraints in communicative language teaching	www.rjelal.com June 2013 ISSN No : 2321-3108 Vol 1, issue 1

* Name of the Faculty of the Department to be emboldened

SCHOOL OF MANAGEMENT

A. Publications

i) Peer – Reviewed International Journal Publications

S. No.	Authors (*)	Title of the Paper	Journal Details (Journal, Year, Vol., pp)
1	**Ravindar Reddy** and Chandrajeet Kumar	Creating Consumer Based Brand Equity in Indian Sport Shoe Market	The Business and Management Review,vol 2, No.2,pp. 131-138,July 2012, ISSN 2047-2854
2.	**M.Ravindar Reddy**, Srikanth Ganesh, T.Rahul,Nandhini Mann	Estimation of customer retention for Indian mobile telecommunication sector	International Journal of Business Information systems, in press
3	P. Premalatha and **P. Ramlal**	Culture and Its Components of Performance To Engage The Millennial Workforce at the Work Environment	International Journal of Human Resource Management, IASET, Nov. 2012, Vol. 1, Issue: 2, ISSN: 2319-4936, Pg. No. 1-8
4	**R.Majhi**, G.Panda, P.J .Flemming	New robust forecasting models for exchange rates prediction	Expert systems with applications,(inPress)May 2012,Elesvier
5.	M.Rout , **R.Majhi**, G.Panda	Forecasting of currency exchange rates using an adaptive ARMA model with differential evolution based training.	Journal of King Saud University –Computer and Information Sciences (In Press), Press 2013), Elesvier
6	**P. Ramlal** and Prashanth Pataley,	Performance Appraisal of Faculty in various Engineering Colleges using a conceptual model of performance Appraisal System	International Journal of Human Resource Management, Aug. 2012, Vol. 1, Issue: 1, ISSN (print) 2319-4936, ISSN (online) 2319-4944, Pg. No. 11-23.
7	G. Rathnakar and **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, Pg. No.734-751



गणित, मानविकी और सामाजिक विज्ञान भवन

Mathematics, Humanities & Social Sciences building



प्रबंधन अनुदेश हॉल

Management Instruction Hall

8	**S.L.Tulasi Devi**	Determinants of investment in Fixed Assets in General Engineering Industry	Financial Management, Elixir Fin. Mgmt. 50 (2012) 10561-10570 September, 2012. (ICV Value of 5.09).
9	**S.L.Tulasi Devi, R.Mohan**	Determinants of investment in Fixed Assets in Chemical Industry	International Journal of Accounting and Financial Management Research (IJAFMR) Vol. 2 Issue 4 Dec 2012, Page No. 25-44. (Impact Factor (JCC): 2.4789)
10	**S.L.Tulasi Devi, R.Mohan, K.Padma,**	Determinants of investment in Fixed Assets in Chemical Industry	International Journal of Financial Management (IJFM) Vol.2, Issue 1, Feb 2013 1-12
11	R.N. Rao, S. Das, D.P. Mondal, G. Dixit, **S.L.T. Devi**	Dry sliding wear maps for AA7010 (Al-Zn-Mg-Cu) aluminium matrix composite	Tribology International, ELSEVIER 60 (2013) Page No.77–82
12	**S.L.Tulasi Devi**, R.N.Rao	Determinants of Investment in Fixed Assets in Electric Power Industry - An Econometric Analysis	World Academy of Science, Engineering and Technology 76, 2013 Page No 810-815.
13	R.N.Rao, **S.L.Tulasi Devi**	Regimes of Al-Cu-Mg Matrix Composits	World Academy of Science, Engineering and Technology 76, 2013 Page No 663-667

* ***Name of the Faculty of the Department to be emboldened***

B. *Presentations in Conference / Symposia etc.,*

i) International Presentations

S. No.	Authors (*)	Title of the Paper	Oral / Poster	Event Details (Event, Place, Dates)
1	T.Rahul and **R. Majhi**	Development and Validation of a Novel method for customer satisfaction in Indian Mobile phone user	Oral	16th Annual International Conference of Society of Operation Management"(NCCOMP-2010), 21-23 December, 2012
2	S.Mishra,G.Panda, B.Majhi and **R.Majhi**	Improved Portfolio optimization Combining Multiobjective Evolutionary Computing Algorithm and Prediction Strategy	Oral	International Conference of Financial Engineering, held on in London ,UK during 4-6,July 2012.
3.	R.N.Rao, **S.L. Tulasi Devi,** N.Ch. Kaushik, Durgesh Jha	Artificial Neural Network approach to prediction of wear characteristics of aluminium matrix composites	Oral	**4th International Conference** on Recent Advances in Composite Materials (ICRACM-2013), International Centre Goa, Organized by Dept. of Mech. Engg., IIT (BHU), Varanasi, India,Feb 2013
4	R.N. Rao, **S.L.Tulasi Devi,** Durgesh Jha, N.Ch. Kaushik	Optimization of sliding wear behavior of Al-SiC composites using Taguchi techniques	Oral	**4th International Conference** on Recent Advances in Composite Materials (ICRACM-2013), held at International Centre Goa, Organized by Dept. of Mech. Engg., IIT (BHU), Varanasi, India,Feb 2013

* ***Name of the Faculty of the Department to be emboldened***

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.

4.2 Course-wise Enrolment with Sex, Social justice and Category wise Break-up

a) 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**

b) UG B.Tech. 2012-2013

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	638	97	735	94	13	107	50	7	57	14	1	15
II Year	582	127	709	96	14	110	49	6	55	17	1	18
III Year	605	107	712	90	16	106	45	6	51	11	4	15
IV Year	580	109	689	83	17	100	42	11	53	16	0	16
Total	**2405**	**440**	**2845**	**363**	**60**	**423**	**186**	**30**	**216**	**58**	**6**	**64**

c) Students on rolls B.Tech. (Class-wise & Branch – wise) during 2012-2013

Branch	I Year			II Year			III Year			IV Year		
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
I. Civil Engineering												
1. Open	39	5	44	38	8	46	36	10	46	41	8	49
2. B.C	24	3	27	22	3	25	20	4	24	24	1	25
3. S.C	14	0	14	13	1	14	14		14	10	1	11
4. S.T	7	0	7	4	2	6	5		5	5		5
Total	84	8	92	77	14	91	75	14	89	80	10	90
II Electrical & Electronics Engineering												
1. Open	39	7	46	37	12	49	47	6	53	39	4	43
2. B.C	23	3	26	21	3	24	23	8	31	22	4	26
3. S.C	9	4	13	12	1	13	13	3	16	10	3	13
4. S.T	6	1	7	5	1	6	7		7	3	2	5
Total	77	15	92	75	17	92	90	17	107	74	13	87
III Mechanical Engineering												
1. Open	46	0	46	43	2	45	40	3	43	41	1	42
2. B.C	27	0	27	28	1	29	30		30	29		29
3. S.C	14	0	14	14		14	13		13	10		10
4. S.T	7	0	7	6		6	6		6	5		5
Total	94	0	94	91	3	94	89	3	92	85	1	86
IV. Electronics & Communication Engineering												
1. Open	44	9	53	37	9	46	40	10	50	45	6	51
2. B.C	25	6	31	37	1	38	31	2	33	32	2	34
3. S.C	13	2	15	15	2	17	13	2	15	13	2	15
4. S.T	8	1	9	7		7	8		8	7	1	8
Total	90	18	108	96	12	108	92	14	106	97	11	108
V. Metallurgical & Materials Engineering												
1. Open	28	3	31	22	5	27	18	8	26	24		24
2. B.C	14	3	17	15	0	15	16	2	18	18	1	19
3. S.C	8	0	8	5	3	8	7	2	9	9	2	11
4. S.T	4	1	5	5	1	6	5		5	5		5
Total	54	8	61	47	9	56	46	12	58	56	3	59
VI. Chemical Engineering												
1. Open	38	8	46	32	14	46	26	12	38	34	11	45
2. B.C	18	7	25	21	3	24	23	6	29	14	13	27
3. S.C	10	4	14	12	2	14	11	2	13	10	4	14
4. S.T	6	1	7	5	2	7	4	3	7	4	5	9
Total	72	20	92	70	21	91	64	23	87	62	33	95
VII. Computer Science & Engineering												
1. Open	48	6	54	48	3	51	39	10	49	44	5	49
2. B.C	30	1	31	30	3	33	25	6	31	34	15	49
3. S.C	13	2	15	12	4	16	12	3	15	11	3	14
4. S.T	7	1	8	8		8	7		7	6	3	9
Total	98	10	108	98	10	108	83	19	102	95	26	121
VIII. Bio-Technology												
1. Open	33	10	43	28	13	41	16	12	28	16	3	19
2. B.C	18	6	24	19	5	24	17	6	23	22	5	27
3. S.C	13	1	14	13	1	14	7	4	11	10	2	12
4. S.T	5	2	7	9	0	9	3	3	6	8		8
Total	69	19	88	69	19	88	43	25	68	56	10	66

CATEGEORY	I Year			II Year			III Year			IV Year			GRAND TOTAL		
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1. Open	315	48	363	285	66	351	262	71	333	284	38	322	1146	223	1369
2. B.C	179	29	208	193	19	212	185	34	219	195	41	236	752	123	875
3. S.C	94	13	107	96	14	110	90	16	106	83	17	100	363	60	423
4. S.T	50	7	57	49	6	55	45	6	51	43	11	54	187	30	217
Total	**638**	**97**	**735**	**623**	**105**	**728**	**582**	**127**	**709**	**605**	**107**	**712**	**2448**	**436**	**2884**

d) PG : M Tech and MSc Branch wise MCA, MBA, MSc Tech 2012-13 batch

Sl No	Course Name	Sanctioned Intake	Open			OBC			SC			ST			PHC				Foreign Students			Total		
			Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Cate	Total	Boys	Girls	Total	Boys	Girls	Total
ENGINEERING																								
1	Engineering Structures	40	22	0	22	8	1	9	5	1	6	2	0	2	1		OBC	1	0		0	38	2	40
2	Geo-Technical Engineering	22	9	2	11	3	3	6	3	0	3	1	0	1	0			0	0		0	16	5	21
3	Transportation Engineering	40	17	2	19	9	3	12	6	0	6	2	0	2	0			0	10	1	11	44	6	50
4	Water Resource Engineering	22	7	2	9	5	2	7	1	0	1	1	0	1	1		Open	1	0		0	15	4	19
5	Remote Sensing & GIS	22	4	0	4	2	0	2	2	0	2	0	0	0	0			0	1		1	9	0	9
6	Environmental Engineering	22	6	5	11	5	0	5	1	2	3	1	0	1	1		OBC	1	0		0	14	7	21
7	Construction Techniques & Management	22	7	3	10	7	0	7	3	0	3	1	0	1	1		SC	1	1		1	20	3	23
8	Power Electronics & Drives	40	12	5	17	13	1	14	3	1	4	0	2	2		1	Open	1	3		3	31	10	41
9	Power Systems Engg	40	17	3	20	11	0	11	4	2	6	2	0	2	1		Open	1	4		4	39	5	44
10	Thermal Engineering	22	12	0	12	5	0	5	0	1	1	2	0	2	1		Open	1	0		0	20	1	21
11	Manufacturing Engineering	22	10	0	10	7	0	7	3	0	3	2	0	2	0			0	0		0	22	0	22
12	Computer Integrated Manufacturing	22	11	0	11	5	0	5	3	0	3	0	0	0	0			0	1		1	20	0	20
13	Product Design and Development	22	10	1	11	6	0	6	3	0	3	1	0	1	1		ST	1	0		0	21	1	22
14	Automobile Engineering	22	11	1	12	5	0	5	3	0	3	0	0	0	1		SC	1	1		1	21	1	22
15	Electronics Instrumentation	23	9	2	11	3	2	5	3	0	3	2	0	2	0			0	0		0	17	4	21
17	VLSI System Design	25	12	3	15	6	0	6	3	0	3	1	0	1	0			0	1		1	23	3	26
18	Advanced Communication Systems	27	9	4	13	6	0	6	4	0	4	2	0	2	1		Open	1	0		0	22	4	26
19	Industrial Metallurgy	22	9	0	9	5	0	5	0	0	0	0	0	0	0			0	0		0	14	0	14
20	Materials Technology	27	12	3	15	5	0	5	4	0	4	0	0	0	0			0	0		0	21	3	24
21	Chemical Engineering	25	7	4	11	2	0	2	2	1	3	0	0	0	0			0	0	1	1	11	6	17
22	Computer Science and Engineering	25	13	2	15	2	1	3	3	0	3	2	0	2	1		Open	1	0		0	21	3	24
23	Information Security	25	11	4	15	3	1	4	2	1	3	1	0	1	1		Open	1	1		1	18	6	25
	Total	579	237	46	283	123	14	137	61	9	70	23	2	25	11	1		12	23	2	25	478	74	552

		Sanctioned Intake	Open			OBC			SC			ST			PHC				Foreign Students			Total		
SCIENCES			Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Cate	Total	Boys	Girls	Total	Boys	Girls	Total
1	M.Sc. Mathematics (Applied Mathematics)	24	3	8	11	0	5	5	0	0	0	0	1	1	0			0			0	3	14	17
2	M.Sc. Mathematics (Mathematics and Scientific Computing)	24	4	2	6	0	2	2	0	0	0	0	0	0	0			0			0	4	4	8
3	M.Sc. Tech. Engineering Physics	48	9	4	13	0	1	1	0	0	0	0	0	0	0			0			0	9	5	14
4	M.Sc. Chemistry (Dyes, Drugs, Pharmaceuticals and Pesticides)	24	5	5	10	3	4	7	1	3	4	0	3	3	0			0			0	9	15	24
5	M.Sc. Chemistry (Modern Methods in Chemicals Analysis)	24	8	5	13	5	0	5	3	1	4	1	0	1	0			0			0	17	6	23
	Total	144	29	24	53	8	12	20	4	4	8	1	4	5	0	0		0	0	0	0	42	44	86
MCA																								
1	Master in Computer Applications	46	9	11	20	10	3	13	7	0	7	2	2	4	1		Open	1			0	29	16	45
MBA																						0	0	
1	Master of Business Administration	62	20	14	34	11	3	14	4	5	9	2	0	2	0			0			0	37	22	59
	Grand Total	831	295	95	390	152	32	184	76	18	94	28	8	36	12	1		13	23	2	25	586	156	742

e) Total Enrollment for the year 2012-2013 (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	302	96	398	154	32	186	78	18	96	29	08	37	23	02	25
III-Semester	219	67	286	144	26	170	58	18	76	26	05	31	05	0	05
V- Semester	25	11	36	13	01	14	05	02	07	04	0	04	0	0	0
Grand Total	**546**	**174**	**720**	**311**	**59**	**370**	**141**	**38**	**179**	**59**	**13**	**72**	**28**	**02**	**30**

Student's Total Strength: 1371

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

a). B.Tech 2012-2013

Sl.No.	Branch	Duration	Sanctioned Intake	Actual Enrolment	
				Indians	Foreigners
1	Civil Engineering	4 Years	92	92	56
2	Electrical & Electronics Engineering	4 Years	92	92	24
3	Mechanical Engineering	4 Years	94	94	16
4	Electronics & Communication Engineering	4 Years	108	108	16
5	Metallurgical and Materials Engineering	4 Years	62	61	1
6	Chemical Engineering	4 Years	92	92	15
7	Computer Science & Engineering	4 Years	108	108	30
8	Bio-Technology	4 Years	92	88	1
Total			740	735	159

** Students admitted under DASA scheme*

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**	

Nationality-Wise Distrubation of Foreign Students in B.Tech (First to Final Year)- 2012-2013

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	Abudabi	1	1	2	DASA
2	Afghanistan	1+22	0	23	DASA + ICCR
3	Australia	1	0	1	DASA
4	Bangladesh	1+8	0+2	11	DASA + ICCR
5	Behrain	3+1	4+0	8	DASA + ICCR
6	Bhutan	20+2	7+0	27	ICCR + MEA
7	Botswana	2	0	2	ICCR
8	Burundi	1	1	2	ICCR
9	Canada	1	0	1	DASA
10	Doha	1	0	1	DASA
11	Dubai	8	2	10	DASA
12	Ethiopia	2	0	2	ICCR
13	Fiji	5	0	5	ICCR
14	Geneva	1	0	1	MEA
15	Germany	0	1	1	MEA
16	Guinea	1	0	1	DASA
17	Hungary	1	0	1	MEA
18	Indonesia	1+1	0	2	DASA + ICCR
19	Iran	1	0	1	MEA
20	Jeddah	1	0	1	DASA
21	Kenya	7	2	9	ICCR
22	Kuwait	15	4	19	DASA
23	Mauritiaus	0	1	1	ICCR
24	Morocco	1	0	1	DASA
25	Moscow	1	0	1	MEA
26	Mozambique	8	5	13	ICCR
27	Muscat	3	3	6	DASA
28	Nepal	80	6	86	DASA
29	Nizeria	1	0	1	DASA
30	Oman	5	4+1	10	DASA +MEA
31	Pakistan	0	1	1	MEA
32	Qatar	13	5	18	DASA
33	Riyad	6	0	6	DASA
34	Santiago	1	0	1	MEA
35	Saudi Arabia	17+5	3+1	26	DASA + MEA
36	South Africa	1	0	1	ICCR
37	Srilanka	3+2+5	1+1	12	DASA+ICCR+MEA
38	Tanzania	7	0	7	ICCR
39	Timor	2	0	2	ICCR
40	U A E	23+1	6+1	31	DASA+MEA
41	U.S.A	12	10	22	DASA
42	Uganda	1+1	0	2	DASA+ICCR
43	Uzbekistan	1	0	1	ICCR
44	Vietnam	1	0	1	ICCR
45	West Indies	1	0	1	DASA
46	Yemen	1	0	1	ICCR
47	Zambia	0	1	1	ICCR
		Total :		281	



गणतंत्र दिवस समारोह **26** जनवरी **2013**

Republic Day Celebrations 26th Jan 2013



हॉस्टल कार्यालय

Hostel Office



4.4 Total Student Strength in the Institute (2012-2013)

Under Graduate Students	:	2884
Post Graduate Students	:	1371
PhD Students	:	252
Total	**:**	***4507***

4.5 The Hostels

1. MENS HOSTELS.

A. Residential Infrastructure

Sl.No	Name of the Block	Rooms	Occupancy	Name of the Warden
1.	1.8 K Hall (A Block 8 & 9 Floors) 1.8 K Hall (B Block 8 & 9 Floors) 1.8 K Hall (B Block 4-7 Floors) 1.8 K Hall (A Block 4-7 Floors) 1.8 K Hall (B Block GF-3 Floors) 1.8 K Hall (A Block GF-3 Floors)	1194	Single/Double	Dr.V.Vasu Sri Srinu Naik Dr.K.V.Gobi Dr.Y.Ravi Kumar Dr.G.Naga Srinivasulu Sri Raju Bhukya
2.	1K-Hall Block-2 1K-Hall Block-3 1K-Hall Block-1	1050	Single	Dr.R.Narasimha Rao Sri B.Nagu Dr.Francis Sudhakar
3.	ISH (DASA)	250	Single	Dr.A.Kumar
4.	1st Block (Azad Hall)	100	Single	Dr.P.Onkara Perumal
5.	2nd Block (Bose Hall)	100	Single	Dr.Asit Kumar Khanra
6.	3rd Block (Ambedkar Hall)	48	Triple	Dr.P.Onkara Perumal
7.	4th Block (Babha Hall)	48	Triple	Dr.N.Venkaiah
8.	5th Block (Gandhi Hall)	48	Triple	Dr.P.Onkara Perumal
9.	6th Block (Gokhale Hall)	48	Triple	Under Renovation
10.	7th Block (Radhakrishnan Hall	48	Triple	Under Renovation
11.	8th Block (Raman Hall)	48	Triple	Under Renovation
12.	9th Block (Nehru Hall)	100	Single	Under Renovation
13.	10th Block (Patel Hall)	100	Single	Under Renovation
14.	11th Block (Tagore Hall)	48	Double	
15.	12th Block(Visweswaraiah Hall)	48	Double	Dr. Asit Kumar Khanra
16.	13th Block (Rajendra Prasad Hall)	202	Single	Dr. Asit Kumar Khanra
17.	14th Block (Vikram Sarabhai Hall)	200	Single	Dr. N.Venkaiah

B. Residential Recreations

Sl.No	Name of the Hostel Block	TV Room	Indoor Games	Reading Room	Internet
1.	1.8 K Hall Floors)	Yes	Yes	No	LAN
2.	1K-Hall	Yes	Yes	No	LAN
3.	ISH (DASA)	Yes	Yes	No	LAN
4.	1st Block (Azad Hall)	Yes	Yes	No	LAN
5.	2nd Block (Bose Hall)	Yes	Yes	No	LAN
6.	3rd Block (Ambedkar Hall)	Yes	Yes	No	LAN
7.	4th Block(Babha Hall)	Yes	Yes	No	LAN
8.	5th Block (Gandhi Hall)	Yes	Yes	No	LAN
9.	6th Block (Gokhale Hall)	Yes	Yes	No	LAN
10.	7th Block (Radhakrishnan Hall	Yes	Yes	No	LAN
11.	8th Block (Raman Hall)	Yes	Yes	No	LAN
12.	9th Block (Nehru Hall)	Yes	Yes	No	LAN
13.	10th Block (Patel Hall)	Yes	Yes	No	LAN
14.	11th Block (Tagore Hall)	Yes	Yes	No	LAN
15.	12th Block(Visweswaraiah Hall)	Yes	Yes	No	LAN
16.	13th Block (Rajendra Prasad Hall)	Yes	Yes	No	LAN
17.	14th Block (Vikram Sarabhai Hall)	Yes	Yes	No	LAN

C.Day- to- day routines/Utilities

Sl.No	Name of the Facility	Number	Vendor(s)/Provider(s)	Remarks
1.	Saloons/Beauticians	*1 No*	*1 party*	
2.	Xerox and Duplication	*2 Nos*	*2 parties*	
3.	Dry Cleaning	*1 No*	*1 party*	
4.	Fruits/Refreshments	*1 No*	*1 party*	
5.	Emergency Services	*1 No*	*Institute Dispensary*	

D.Messes and Dining Halls

Sl.No	Name of the Mess	Number of Boarders	Veg/Non -Veg	Name of the Warden
1	Food Court	2000 Members	Veg & Non Veg	Dr. S.Srinivasa Rao
2	I-Mess (Ganga)	400 Members	Non- Veg	Dr. P.Muthu
3	II-Mess (Godavari)	400 Members	Non- Veg	Dr. R.S.Selva Raj
4	III-Mess (Cauveri)	400 Members	Veg	Dr. E.Venkata Rathnam
5	IV-Mess (Krishna)	400 Members	Non- Veg	Dr. S.Venkateswara Rao
6	V-Mess (Narmada)	400 Members	Veg	Dr. P.Sreehari Rao

2. WOMENS HOSTELS

A. Residential Infrastructure

Sl.No	Name of the Block	Rooms	Occupancy	Name of the Warden
1.	LH Block(PH)	81	Single/Double/Four seater	Dr.Ms.Ritanjali Majhi
2.	LH Block (SH)	48	Double/Triple/Four seater	Dr.R.Padmavathy
3.	New Ladies Hostel	343	Single/Double	Dr.Ms.S.Anuradha

B. Residential Recreations

Sl.No	Name of the Hostel Block	TV Room	Indoor Games	Reading Room	Internet
1.	LH Block(PH)	Yes	Yes	Yes	LAN
2.	LH Block (SH)	Yes	Yes	Yes	LAN
3.	New Ladies Hostel	Yes	Yes	Yes	LAN

C.Day- to- day routines/Utilities

Sl.No	Name of the Facility	Number	Vendor(s)/Provider(s)	Remarks
1.	Saloons/Beauticians	Nil	-----	
2.	Xerox and Duplication	2 Nos	2 parties	
3.	Dry Cleaning	Nil	-----	
4.	Fruits/Refreshments	1 No	1 party	
5.	Emergency Services	1 No	Institute Dispensary	

D.Messes and Dining Halls

Sl.No	Name of the Mess	Number of Boarders	Veg / Non -Veg	Name of the Warden
1	LH-Mess (Priyadarshini)	800	Veg &Non Veg	Dr.D.Vakula

E.Special measures for Women protection and Women Empowerment

1. Gated Hostel Premises
2. Four Wardens for looking after the welfare and well-being of the students.
3. Separate Mess for Girls Hostel.
4. 24 hours security outside the premises.
5. 3 Shifts, 24 hour Lady security guards.

3. INTERNATIONAL HOSTELS

Sl.No	Fraternal Country	Number of Residents	Level		Name of the Warden
			UG	PG/PhD	
1.	Ethiopia	31	2	29	Dr.A.Kumar
2.	Syria	2		2	
3.	Bangladesh	11	11		
4.	Myanmar	1		1	
5.	Guyana	1		1	
6.	Indonesia	6	5	1	
7.	Mozambique	13	13		
8.	Timor	2	2		
9.	Yemen	1	1		
10.	Dubai	9	9		
11.	Kuwait	31	31		
12.	Saudi Arabia	32	32		
13.	USA	22	22		
14.	Afghanistan	24	24		
15.	Nigeria	1	1		
16.	Qat	19	19		
17.	Srill	15	15		
18.	Fiji	4	4		
19.	South Africa	1	1		
20.	Bhutan	26	26		
21.	UAE	37	37		
22.	Australia	1	1		
23.	Nepal	95	95		
24.	Bahrain	9	9		
25.	Kenya	8	8		
26.	Tanzania	9	9		
27.	Oman	14	14		
28.	Vietnam	2	2		
29.	Guinea	1	1		
30.	Germany	1	1		
31.	Muscat	11	11		
32.	Botswana	2	2		
33.	Mauritius	1	1		
34.	Uganda	2	2		
35.	Colombo	3	3		
36.	Zambia	1	1		
37.	Chilie	2	2		
38.	Abudhabi	4	4		

4. ANY OTHER IMPORTANT ASPECT

1. Gym facility inside the Hostel Block.
2. Cafeteria will run up to 11.00 PM everyday.
3. Enough play area with shuttle, Table Tennis, Basket Ball courts etc.

4.6 Scholarships / Monetary Assistance (2012-13)

Scholarships Awarded:

S.No.	Name of the scholarships /stipends	No. of Scholar-ships Awarded	Remarks
1	Institute Merit Scholarships	235	Rs. 100/-p.a.+ exemption from payment of Tuition fee Rs. 35,000/- and a Merit Certificate
ANDHRA PRADESH			
2	S.C. Scholarships		
a)	B.Tech P.G.Students :	106 26	Mess charges at the rate Rs. 1200/-PM for U.G and Rs. 820/- for P.G. students, and reimbursement of Tuition Fee for boarders.
b)	B.Tech P.G.Students :	5 2	Rs. 550/- P.M and reimbursement of Tuition Fee for Day Scholars.
3	S.T. Scholarships		
a)	B.Tech P.G.Students :	80 6	Mess charges at the rate Rs. 1200/-PM for U.G and Rs. 820/- for PG students, and reimbursement of Tuition Fee for boarders.
b)	B.Tech P.G.Students :	3 2	Rs. 550/- PM and reimbursement of Tuition Fee for Day Scholars.
4	B.C. Scholarships		
a)	B.Tech P.G.Students :	278 88	Mess charges at the rate Rs. 962/-PM for UG and Rs. 682/- for PG students, and reimbursement of Tuition Fee for boarders
b)	B.Tech P.G.Students :	3 2	Rs. 429/- PM and reimbursement of Tuition Fee for Day Scholars.
5	E.B.C. SCHOLARSHIPS	-	
a)	B.Tech P.G.Students :	217 51	Reimbursement of Tuition Fee UG and PG Students
6	P.H. Scholarships		
a)	B.Tech P.G.Students :	5 -	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 :	3 -	Rs. 429/- P.M and reimbursement of Tuition Fee for Day Scholars.
7	Minority Scholarships		
a)	B.Tech P.G.Students :	14	Mess charges at the rate Rs. 962/-PM for UG and Rs. 682/- for P.G. students, and reimbursement of Tuition Fee for boarders
b)	B.Tech P.G.Students :	1 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 2012-13:

S.NO	Name of the Scholarship / Stipends	No. of Awarded	AMOUNT RECEIVED	DISBURSED AND ADJUSTED AS T/F AMOUNT IN INR
A.	*SC/ST Scholarships From other states:*			
1.	Arunachal Pradesh	2	14000	14000
2.	Assam	3	44050	44050
3.	Bihar	9	401690	401690
4.	Chattisgarh	9	291430	291430
5.	Kerala	1	62250	62250
6.	Madhya Pradesh	14	412030	412030
7.	Maharashtra	15	697977	697977
8.	Orissa	2	91020	91020
9.	Uttar Pradesh	1	87750	87750
10.	Uttarakhand	1	40500	40500
11.	Central Minority	3	117000	117000
		(A) Total :	2259697	2259697

B.	*Other Scholarships:*			
12.	IOCL	11	252000	252000
13.	NCERT-New Delhi	3	18000	18000
14.	Visakhapatnam Steel Plant	2	72000	72000
15.	FAEA	2	97750	97750
16.	Aliveiu Manga Sarvaiah Charitable Trust	1	17750	17750
17.	AIEEE below 500 Rank	6	150000	150000
18.	ONGC	2	120000	120000
19.	National Handicapped Finance & Development Corporation	1	80000	80000
20.	ED-CIL (SPDC)	41	9522773	9522773
21.	ED-CIL (MEA)	20	2465291	2465291
22.	Indian Council for Cultural Relation Foreign Students	116	7148750	7148750
		(B) Total	19944314	19944314
		(A)+ (B) Grand Total:		22204011

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, 2012-2013

The Department has Indoor (fitness center, wooden flooring for shuttle badminton) and outdoor sports facilities in almost all disciplines, (400mtrs track, flood lit courts, stadium pavilion, synthetic tennis court) except swimming pool.

The department will organize intramural competitions branch wise in all the disciplines to give an opportunity to involve more number of student community.
The department will provide an opportunity to talented sportsmen and women to participate in the extramural competitions like, Inter NIT sports meet and Inter University sports competitions regularly.
The department will organize sports tournaments at our campus regularly.
Fitness and conditioning classes were conducted to all first year students regularly during academic year.

25-07-2012	EAA SPORTS for First year students commenced
25-07-2013	Inauguration of Synthetic Tennis Court
15-08-2012	INDEPENDENCE DAY SPORTS Mass run for Health; FRIENDLY MATCHES were held among STUDENTS AND STAFF IN VOLLEYBALL TENNIS AND BALLBADMINTON
25-09-2012	Freshers Day Sports to the first year students were held minor/fun games like Dodge ball, Over Head Pass Relay; Musical Chairs; Tug – of – War for both boys and girls.
10-20 Oct. 2012	**Intramural competitions in volleyball, ball badminton, tennis, kabaddi, kho-kho games were held.**
09-11-2012	**COAHING CAMPS TO THE BEGINERS IN VOLLEYBALL, TENNIS AND BALL BADMINTON WAS HELD.**
15-11-2012	COMPETITIONS IN VOLLEYBALL, TENNIS, BALL BADMINTON AND THROW Ball WERE HELD FROM AMONG THE FIRST YEAR UG & PG STUDENTS OF THE INSTITUTE (SECTION WISE).
2-16 Dec. 2012	All India Inter University tennis women and Ball Badminton men and women were organized at our campus, over 135 universities from different parts of the country took part.
26-01-2013	Republic Day Sports were Conducted Olympic Run, Friendly matches in Tennis, Volleyball, Tennikoit, Throwball and kabaddi

Coaching Camps to the beginners were conducted in the following sports

17-31 August 2012	Tennis
1-15 September, 2012	Volleyball
16- 30 September 2012	Ball Badminton

Annual Sports Day for the year 2012-13 was held on 13-03-2013.
Smt. G.Mulini Reddy, First women Arjuna awardee was the chief guest and **Prof. T.Srinivasa Rao Director NITW** presided over the function and distributed the prizes to the winners and Runners.

Mr. K.Samrat Naidu 4/4 ECE B.Tech has adjudged as **Best Out Going Sports Man** for the year 2012-13.
Miss. Jyotsna 4/4 civil dept. has adjudged as **Best Sports Woman** for the year 2012-13

Intramural Competitions for the year 2012-13 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

20-01-2013.1 Srihari Memorial Volleyball Tournament for District Engineering Collegs were held and our Institute team were the Winners
20-22 January 2013 Pattabhi Memorial Volleyball Tournament was organised at our campus.
29-31 January 2013 Dr. A. Palaiah Memorial Tennis Tournament was organised at our campus.
17-02-2013.1. Sivaratri sports night in volleyball, ball badminton and Tennis were Conducted to the campus community.

Extramural Competitions

2-5 Feb.2013 All India Inter NIT Basket ball, Cricket, Chess, Kabaddi, Tennis Tournament held at Trichy,
Our Institute Kabaddi team won the championship.

1-3 March 2013 All India Inter NIT Badminton, Football, kho-kho and Volleyball Tournament held Surat and our Institute Football team secured First place, kho-kho boys team secured second place and volleyball girls teams secured second place.
22-24 March 2013 All India Inter NIT Athletics, Aquatics and Ball Badminton Tournament took part at Suratkal and our Institute Ball Badminton Girls and Boys were the Champions of the tournament.



गणतंत्र दिवस समारोह में मैराथन और खेल कार्यक्रम उद्घाटन करते हुए निदेशक (26 जनवरी 2013)

Director Inaugurating Student Marathan & Games Events during Republic Day Celebrations (26th Jan 2013)



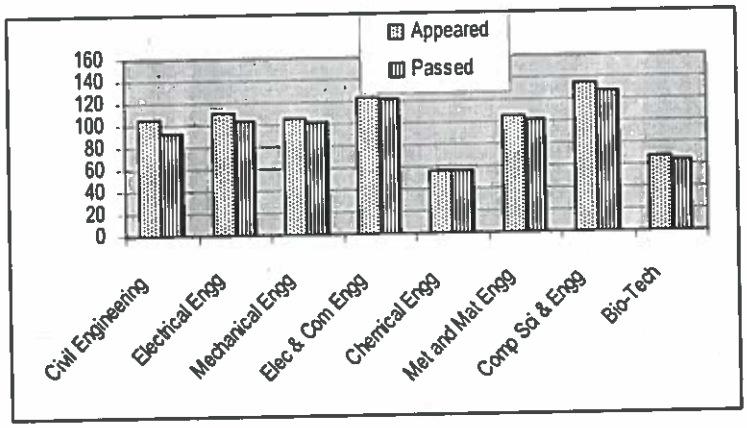
इंटर एनआईटी खेल में जीता पदक के साथ एनआईटी वारंगल के छात्र

NIT Warangal Students with Medals won at Inter NIT Sports Meet

4.8. Examination Details

Examination Results for the B. Tech (Regular) from 01.07.2012 to 30.06.2013

S.NO.	BRANCH	NO. OF STUDENTS APPEARED	PASSED IN FIRST DIV. WITH DISTN.	FIRST DIVISION	SECOND DIVISION	TOTAL	% of Pass
1	CIVIL ENGINEERING	106	36	37	20	93	87.74
2	ELECTRICAL & ELECTRONICS ENGINEERING	110	41	49	13	103	93.64
3	MECHANICAL ENGINEERING	105	37	52	12	101	96.19
4	ELECTRONICS & COMMUNICATION ENGINEERING	123	40	65	16	121	98.37
5	METALLURGICAL & MATERIALS ENGINEERING	57	19	29	8	56	98.25
6	CHEMICAL ENGINEERING	106	36	44	21	101	95.28
7	COMPUTER SCIENCE & ENGINEERING	134	33	75	20	128	95.52
8	BIO-TECHNOLOGY	67	22	35	6	63	94.03



Top ranks in each of the branches B. Tech (Regular) from 01.07.2012 to 30.06.2013

Sl.No.	Branch	Roll No.	Name of the Student
1.	CIVIL ENGINEERING	9136	GUARAV JAIN
2.	E.E.E	9213	LOKESH CHANDRA KODE
3.	MECH. ENGG.	9375	PONNAPALLI CHAITANYA SAI
4.	E.C.E	9464	ABHIMANYU SRIVASTAVA
5.	M.M.E	9544	PRABHAT KUMAR SINGH
6.	CHEMICAL	9648	GOKUL HARIHARAN
7.	C.S.E	9760	AMIT JOSHI
8.	BIO-TECHNOLOGY	9865	PRIYAVATHI D

Examination Results for PG Courses 1.07.2012 to 30.06.2013

S.NO.	BRANCH	NO. OF STUDENTS APPEARED	PASSED	% OF PASS
	CIVIL ENGINEERING			
1	ENGG. STRUCTURES	30	30	100.00
2	ENVIRONMENTAL ENGINEERING	7	7	100.00
3	GEOTECHNICAL ENGG.	12	12	100.00
4	TRANSPORTATION ENGG.	25	25	100.00
5	CTM	17	17	100.00
6	WRE	3	3	100.00
	ELECTRICAL ENGINEERING			
1	PED	34	26	76.47
2	PSE	31	28	90.32
	MECHANICAL ENGINEERING			
1	CIM	15	13	86.67
2	AUTOMOBILE ENGG.	19	17	89.47
3	MANUFACTURING ENGG.	16	15	93.75
4	PDD	19	19	100.00
5	THERMAL ENGG.	18	18	100.00
	ELECTRONICS & COMUNICATION ENGINEERING			
1	ACS	23	23	100.00
2	VLSI	16	16	100.00
3	EI	18	18	100.00
	METALLURGICAL & MATERIALS ENGINEERING			
1	IM	6	6	100.00
2	MT	12	12	100.00
	CHEMICAL ENGINEERING			
1	CAPED	9	9	100.00
	COMPUTER SCIENCE & ENGINEERING			
1	CSE	18	16	88.89
2	IS	20	16	80.00
	M.Sc. CHEMISTRY			
1	DDPP	20	19	95.00
2	MMCA	20	18	90.00
	M.Sc. MATHEMATICS			
1	APPLIED MATHS	22	22	100.00
2	MATHS & SCIENTIFIC COMPUTING	16	16	100.00
	M.Sc.(TECH) ENGINEERING PHYSICS			
1	PHOTONICS	10	8	80.00
2	ELECTRONICS	5	5	100.00
	MASTER OF BUSINESS ADMINISTRATION			
1	M.B.A	26	26	100.00
	MASTER OF COMPUTER APPLICATIONS			
1	M.C.A.	45	38	84.44

5.0 RESEARCH AND DEVELOPMENT ACTIVITIES

5.1 RESEARCH GUIDANCE

CIVIL ENGINEERING DEPARTMENT

A. COMPLETED

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1.	D. Ravi Prasad	D Rama Seshu	Full Time	Institute	Dynamic Characteristics of RC Beams subjected to damage under fatigue loading
2.	M.L.V.Prasad	P.Rathish Kumar	Full Time	Institute	Behaviour Of Tie Confined Fiber Reinforced Self Compacting Recycled Aggregate Concrete (Tcfrscrac)
3.	Ch. Naga Satish Kumar	T.D. Gunneswara Rao	Part Time	--	Mode II Fracture Studies in Concrete

B. Working

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1.	M. Srikanth	G. Rajesh Kumar	Part-time	--	
2.	M. Sudhakar	D. Rama Seshu	Part Time	–	Fibre Reinforced Concrete
3	K.Ramani	N.V.Umamahesh	Part Time		Optimal Design of Water Distribution Network in an Intermittent System
4	K.Leela Krishan	N.V. Umamahesh	Part time		Optimal Operation of Multi-Reservoir System
5	G.Rajamouli	N.V. Umamahesh	Part time		Planning and Operation of an Irrigation System under water deficit conditions
6.	Y. Naveen Reddy Pothula	N.V. Umamahesh	Full Time	Institute	Impact of Climate Change on Pennar Basin
7.	Mr. Anoop. C.K.	E.Venkata Rathnam	Full Time	CWRDM, Kozikhode,Kerala	Isotope composition for studying the Lake and groundwater interaction.
8.	Mr. Ruben.N	E.Venkata Rathnam	Full Time	Institute	Hydraulic Transients in Pump-pipeline systems
9.	V. Sai Kumar	P.Hari Prasad Reddy	Part-time		Evaluation and Control of Engineering Properties of Soils Interacted with Chemical Pollutants
10	Y. Navatha	K. Venkata Reddy and Deva Pratap	Full Time	Institute	Development of 3D spatial systems for planning of infra structure facilities in rural areas using remote sensing & GIS
11.	T. Reshma	K. Venkata Reddy and Deva Pratap	Full Time	Institute	Simulation of real time flow parameters of a watershed using remote sensing, GIS techniques* (* Research problem may change slightly after initiating the research work)
12.	Syed Mubashir Hussain	Dr. Venkaiah Chowdary	Full-time	Institute	Rutting in asphalt mixtures
13.	M.Heeralal	P.Rathish Kumar	Part-time	---	A study on the Fatigue Performance Characteristics of Steel Fiber Reinforced Recycled Aggregate Based Rigid Pavements.
14.	K.L.Radhika	P.Rathish Kumar	Part-time	---	A Study on the Improvement in the Performance Characteristics of Fiber Reinforced Self Compacting Concrete Designed based on Compressible Packing Model (CPM)
15.	P.V. Koteswara Rao	Dr. P. Hari Krishna	Full Time	Institute	Soil Structure Interaction of building & pile foundation
16	Ch.Ch. Srinivas	Dr. T.D. Gunneswara Rao	Part Time	--	Fatigue response of HSC
17	Saratchandra	CSRK Prasad	Part Time	-	Optimal PT Share for cities of Different Sizes
18	Uday Chander	CSRK Prasad	Part Time	-	Integration of PT Networks
19	Mahalaxminaidu	CSRK Prasad	Part Time	-	Trip Generation Analysis
20	M Anil Kumar	CSRK Prasad	Full Time	MHRD	GIS for Urban Transport

ELECTRICAL ENGINEERING DEPARTMENT

A. Completed

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	E. Muneender	Prof. D.M. Vinod Kumar	Fulltime / Part-time	Rs. 18,000 / Rs. 20,000	Optimal static and Dynamic Congestion Management in a Power Market using Mutation Based Hybrid Fuzzy Adaptive Swarm Intelligence Techniques
2	J. Vijaya Kuma	Prof. D.M. Vinod Kumar	Fulltime / Part-time	Rs. 18,000/ Rs. 20,000	Optimal Bidding Strategies in a Double Auction Electricity Market using Hybrid and Varying Population based Metaheuristic Techniques.
3	Ch. Venkaiah	Prof. D.M. Vinod Kumar	Part-Time	Internal Faculty	Real-Time Available Transfer Capability Computation and Congestion Management using Intelligent Techniques in Deregulated Power Market
4	D. Harikrishna	Dr. N. V. Srikanth	Full Time	Yes	Enhancement of Dynamic and Transient Stability of Power systems using Fuzzy and ANN controlled FACTS.
5	T. Vinay Kumar	Dr.S.Srinivasa Rao	Full Time	Institute	Reduction of Torque and Flux Ripple in Three Phase Induction Motor Drive

B. Working

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	B. Nagu	Dr. M. Sydulu	Part Time	NA	
2	Y. Chandrasekhar	Dr. M. Sydulu Dr. M. Sailaja Kumari	Part Time	NA	
3	K. Ravi Kumar	Dr. M. Sydulu	Part Time	NA	
4	G.Sunil Kumar	Dr D V S S Siva Sarma	Full Time	Research associate	
5	O V S R Varaprasad	Dr D V S S Siva Sarma	Full Time	Research associate	
6	Verma BRK	Dr D V S S Siva Sarma	Part Time	NA	
7	Ramadevi N	Dr D V S S Siva Sarma	Part Time	NA	
8	D. Sudha Rani	Dr N Subrahmanyam	Full Time	Research associate	
9	T Praveen Kumar	Dr N Subrahmanyam	Full Time	Research associate	
10	R A Deshpande	Dr N Subrahmanyam	Part Time	NA	
11	P. Sharath Kumar	Dr. N. Vishwanathan			
12	D. Vijaya Bhaskar	Dr. N. Vishwanathan	Part Time	NA	
13	R S Dhekekar	Dr. N V Srikanth	Part Time	NA	Reactive Power control of Transmission Lines with Harmonic minimization using novel controls and topologies of shunt FACTS Devices
14	M. Ajay Kumar	Dr. N. V. Srikanth	Full Time	Research associate	Integration of offshore wind power generation to the AC grid through HVDC light Transmission systems using Intelligent controllers.
15	B. Vijay Kumar	Dr. N. V. Srikanth	Full Time	Research associate	Enhancement of power system stability with optimal locations and sizing of FACTS in AC-DC Systems.
16	M. Vishnu Prasad	Dr. S. Srinivasa Rao	Full Time	Research associate	
17	M. Murali	Dr. M. Sailaja Kumari Dr. M. Sydulu	Full Time	Research associate	
18	D. Rakesh Chadra	Dr. M. Sailaja Kumari Dr. M. Sydulu	Full Time	Research associate	
19	D. Hari Kiran	Dr. M. Sailaja Kumari	Full Time	Research associate	
20	K. Ramsha	S. Jain Dr. V.T. Somasekhar	Full Time	Research associate	Study and applications of OEWIM Drive
21	Ch. Ramlu	S. Jain	Part Time	NA	PV based Multi-level inverter fed IM drive

MECHANICAL ENGINEERING DEPARTMENT

A. COMPLETED

S. No.	Scholars	Guide(s)	Fulltime / Parttime	Fellow ship	Thesis Title
1	V Vinod Kumar	Prof. A.Venu Gopal			"Investigations on Quality Issues of Rapid Prototyping
2	D.Jagadish	Prof.Ravi Kumar Puli, Prof.Madhu Murthy			Experimental and theoretical studies on C.I.engine Performance and emissions using biofuels
3	Govardhan Goud	Dr.R.Narasimha Rao			Experimental Investigation on properties of Roystonea regia Natural Fiber Reinforced Epoxy Composites
4	Raghu C. Reddy	Dr.R.Narasimha Rao			Nano Materials for Lithium Ion Battery Anode-Studies on Synthesis and Characterization of some Metal Oxide and their Composites
5	M. Sai Krishna Rao	Dr.R.Narasimha Rao			Characterization of an*In-situ* Deposited Composite Thermal Barrier Coating (CTBC)Using Atmospheric Plasma Spray (APS) Process on a Nickel Base Superalloy SUPERNI 263A
6	Padma Rao, A	Prof. R Venkatachalam			Analysis, Design and Development of New Steering Mechanisms for Four Wheel Road Vehicles
7	Santosh Shelke, N	Prof. R Venkatachalam			Identification and Loss Optimization in Magnetic Bearings Using Genetic Algorithms
8	US Vara Prasad	Dr. GAP Rao & Prof. K. Madhu Murthy			Investigations on the performance and emissions of DI Diesel engine fueled with biodiesel-diesel blends
9	D. Jagadish	Prof. P. Ravi Kumar & Prof. K. Madhu Murthy			Experimental and theoretical studies on performance and emissions of CI engine using biofuels

B. WORKING

S. No.	Scholars	Guide(s)	Fulltime / Parttime	Fellow ship	Thesis Title
1	A. Varun	Dr.N.Venkaiah	Full Time		Multi Objective Optimization of Electric Discharge Machining using Grey Relational Analysis coupled with Genetic Algorithm Technique
2	Mr. M. Srinivasa Rao	Dr.N.Venkaiah	Full Time		Machining of Nickel based alloys using WEDM
3	T.Sadasiva Rao	Prof.A.Venugopal	Part Time		"Optimization of Tool geometry and Process Parameters in Face Milling Inconel 625; Online tool condition monitoring"
4	R.Bhanu Pawan	Prof.A.Venugopal	Part Time		"Nano fluids – Drilling"
5	K Kishore Kumar, Sc.D., DRDO,	Prof.A.Venugopal	Part Time		"Design and Fabrication of Special Cutting Tools for the Machining of Solid Propellants"
6	Sandeep Kumar Venugopal	Prof.A.Venugopal	Part Time		"Nano Fluids – Characterization and Performance evaluation during Machining",
7	V Srinivasa Rohit	Prof.A.Venugopal	Full Time		"Performance of Coating Tools while Machining High Temperature High Strength Alloys"
8	S.SudhakarBabu	Dr.A.V.Narasimha Rao	Full Time		Experimental and numerical studies on innovative design of solar cookers
9	A.Manmadhachary	Dr.Y.Ravi Kumar & Prof.L.Krishnanand	Full Time		Investigation and correction of Errors in various stages to develop the prosthesis for Oral and Maxillofacial surgery using Rapid Prototyping
10	DanaiahPuli	Dr.Ravi Kumar Puli	Full Time		Oxygenated Additives
11	D.Vinay Kumar	Dr.Ravi Kumar Puli	submitted		Semi-adiabatic engine concept
12	H.M.Dharmadhikari	Prof. SrinivasRao	Submitted synopsis		Performance analysis of biodiesel fuelled
13	A.T.Autee	Prof.Srinivas Rao	Submitted synopsis		Characterization of Two-Phase flow
14	Pasha	Dr.Ravi Kumar Puli	PT		Performance analysis of diesel engine using

					alternative fuels
15	G. Srinivas	Dr.R.Narasimha Rao	Awaiting Viva		Experimental Investigation and Modeling of Mechanical and *Tribological 110ehavior of low cost near beta titanium alloy (Ti10V4.5Fe3Al)
16	N.Ch. Kaushik	Dr.R.Narasimha Rao	Full Time		Modeling and analysis of Mechanical and Tribological 110ehavior of Advanced Aluminium Matrix Composites
17	Mr. Rama-chander G. Desavale	Prof. R Venkatachalam	Part Time		A Theoretical and Experimental Study of Vibrations produced by Single and Multiple Defects in Rotor Bearings Using Experimental Data Based Models
18	Mr. Bala Raju, A	Prof. R Venkatachalam	Full Time		Vibration Analysis of Chassis of an automobile
19	N Shiva	V Vasu, Dr. N. Narasaiah	Full Time		Investigation and optimization of Al_2O_3, graphite particle & molybdenum di sulphide nanoparticles reinforcement in ZA-27 alloy composites for Tribological applications
20	Mechiri sandeep kumar	V Vasu, Prof. A Venugopal	Full Time		Performance and behaviour of novel nanoparticles based Coolants (Nanofluids) in Minimum quantity lubrication in Turning and Milling
22	G Suresh	V Vasu			Nanocomposites
23	Uma Mahesh Rao	V Vasu Prof. K V Sai Srindath	Full Time		Al Metal Matrix Nanocomposites
24	A.Nikhalge	Prof. K.V.Sai Srinadh	Submitted synopsis		Optimization of EDM process parameters for Maraging s Titanium alloys
25	Mr.Ashok J.Keche	Dr. GAP Rao.& RG Tated	Part Time		Experimental Investigations on down draft Biomass gasifier.
26	Mr.Nilesh Gajarlawar	GAP Rao.& Abraham Mathew	Part Time		Studies on Efficacy of Diesel Particulate Trap under Indian Driving Conditions
27	Mr.JVS Moorthy	Prof. GAP Rao & Ramanujacharyulu	Part Time		Studiese on reduction of combustion instabilities in Supersonic combustor
28	Mr.AR Babu	Prof. GAP Rao & Hari Prasad Reddy	Part Time		Emission Control strategies for Diesel engine
29	Mr.Karthikeya Sharma	Prof. GAP Rao & Prof. K. Madhu Murthy	Full Time		CFD studies of diesel engine for performance and emissions
30	Ms.Sindhu R	Prof. GAP Rao & Prof. K. Madhu Murthy	Full Time		Application of control model approach to diesel engine processes using SIMULINK
31	P. Naresh	Prof.A.Kumar	Full Time		Fabrication and analysis of ultrafine grain structural materials
32	K. Murahari	Prof.A.Kumar	Full Time		Powder mixed EDM of Titanium alloy
33	V. S. Gadakh	Prof.A.Kumar	Part Time		Friction stir welding of Aluminum alloys
34	L. S. Raju	Prof.A.Kumar	Part Time		Friction stir welding of copper
35	A. Devaraj	Dr.B.Kotivera Chari	Submitted synopsis		Fabrication and Characterization of 6061-T6 Aluminium alloy Surface Composites by Friction Stir Processing
36	A. M. Nikalje	Dr.K.V. Saisrinadth	Full Time		Influence of process parameters and powder addition in dielectric fluid for EDM of Titanium and Maraging steel
37	S.Srinivas	Prof.CSP.Rao	Part Time		SCM technique for planning and replenishment strategies of PDS- A simulation and analytical approach
38	T.Lokeswara rao	Prof.N.Selvaraj	Full Time		Optimization of WireEDM
39	L.Venugopal	Dr.M.J.Davidson	Full Time		Experimental and Simulation studies on Expansion of

					Tube Ends and Its Formability's
40	V.Jeevan	Prof.CSP.Rao	Full Time		Evaluation of Mechanical and Wear Characteristics of aluminum Metal Matrix Composites at Elevated Temperatures
41	C.Neelimadevi	Prof.CSP.Rao	Full Time		Optimization and validation of mechanical properties of Aluminum AA 2014 Alloy for engineering applications
42	N.Vishnumurthy	Prof.CSP.Rao	Full Time		Studies on Materials Characteristiczation
43	Dagne Birhanu Mamo	Prof.L.Krishnanand & Prof. A.Neelakanteswara Rao	Full Time		

CHEMICAL ENGINEERING DEPARTMENT

A. Completed

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellow ship	Thesis Title
1	S. Srinu Naik	Prof. Y. Pydi Setty	Part Time(Internal)	-	optimization of parameters for biological denitrification of wastewater in a gas-liquid-solid bioreactor
2	R Naveen Kumar	Prof. A.Venu Vinod	Fulltime	Institute	Studies on Biodegradation of Phenolic Wastewater in a Bubble Column Bioreactor

B. Working

S. No.	Scholars	Guide(s)	Fulltime / Part time	Fellow ship	Thesis Title
1	A.Sarat Babu	Prof. G. Venkat Reddy	Part Time (Internal)	-	Modeling and Simulation of Ammonia Converter
2	K. Anand Kishore	Prof. G. Venkat Reddy	Part Time (Internal)	-	Optimization of Process parameters for Batch Formulations of Citric acid
3	S. Srinath	Prof. G. Venkat Reddy	Part Time (Internal)	-	Combustion of different agrofuels in a Fluidized Bed: Experimental and Simulation study
4	Ch.Ramesh	Prof. R.C Sastry	Full Time	-	Optimization of process parameter for the Sysnthesis of Itaconic Acid using Ustilago Maydis (NCIM-983) (Thesis Submitted)
5	K.Srivani	Prof. Y.Pydi Setty	Part Time (Internal)	-	Nutritional and Environmental Parameter studies on the rpoduction of Xylitol from D-Xylose by *Candida Parapsilosis-NCIM-3323* (Synopsis Submitted)
6	B.Anji Reddy	Prof. R.C Sastry	Full Time	Institute	Biomass Gasification studies in a down draft gasifier
7	B. Sridhar Rao	Prof. R.C Sastry	Part Time (External)	-	Fluid flow and heat transfer in a corrugated plate heat exchanger
8	K H V Prasad	Prof. R C Sastry	Part Time (External)	—	Study of Run-away Reactions
9	T Vijaya Kumar	Prof. R.C Sastry	Full Time	Institute	Heat Transfer studies of Nano Fluids in a corrugated Plate Heat Exchanger
10	G. Srinivas	Prof. Y.Pydi Setty	Full Time	Institute	Fluidized Bed Drying of Solids
11	PBN Lakshmi Devi	Prof. Y.Pydi Setty	Full Time	Institute	Biological Nitrification of Wastewater
12	T Srinivas	Prof. A.Venu Vinod	Fulltime	Institute	Heat Transfer Enhancement using Nanofluids
13	B Sujan Kumar	Prof. A.Venu Vinod	Fulltime	Institute	Characteristics of spout-fluid beds
14	M. Suresh Kumar	Dr. Shirish Sonawane	Full Time	Institute	Nano Technology

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

A. Completed (Three)

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	K.Ramesh	Prof. T.Ramesh	Part time	Nil	ASWIN: Model Driven Framework for automated software in Networked Environment
2	Ch Sudhakar	Prof. T Ramesh	Part time	Nil	Design and Implementation Improved Distributed Shared Memory System
3	Mohammad Ali Kadampur	Prof. DVLN Somayajulu	Full time	Institute Fellowship	A Non Interactive Frame work for Privacy Preserving Data Mining

B. Working

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	Nagaraj Dharwadkar	Prof. B.B.Amberker	Fulltime	Sponsored	A Study on Digital Image Steganography and watermarking Schemes
2.	Syed Taqi Ali	Prof. B.B.Amberker	Fulltime	Institute	Attribute Based Group Signature Schemes with Attribute Anonymity and Constant Size Signature
3.	Sagar Gujjunoori	Prof. B.B.Amberker	Fulltime	Institute	Towards Reversible Data Embedding for Digital Video using DCT
4.	Ebenezer Jagagam	Prof. B.B.Amberker	Fulltime	Institute	Modelling Mobility in Mobile AdHoc Networks
5.	Purushothama B.R	Prof. B.B.Amberker	Fulltime	Institute	Cryptographic Solutions to Security Issues in Key Management and Cloud Computing
6.	Soma raju	Dr. R.B.V.Subramanyam	Fulltime	Institute	Data Mining
7.	K.Ramesh	Dr. R.B.V.Subramanyam	Fulltime	Institute	Data Mining
8	Fatima bevi	Dr. R.B.V.Subramanyam	Fulltime	Institute	Distributed Data Mining
9.	Sri latha	Prof. S.G.Sangeevi	Fulltime	Institute	Machine Learning and Rough Sets
10	P.Anil	Dr. R.Padmavathy	Fulltime	Institute	Information Security
11	A Suresh Rao	Dr. RBV Subramanyam Prof. DVLN Somayajulu	Part Time	Sponsored	Data Mining
12	V Sree Kumar	Prof. DVLN Somayajulu	Part time	Sponsored	Databases
13	R Phani Bhusan	Prof. DVLN Somayajulu	Part time	Sponsored	Big Data Analytics
14	Nagesh Bhattu	Prof. DVLN SOmayajulu	Full time	Institute	Text Mining

DEPARTMENT OF METALLURGICAL AND MATERIALS ENGINEERING

B. Working

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1.	Mr. Ravi Naik Banoth	Dr. G. V. S. Nageswara Rao	Full-time	Institute	Evaluation of Microstructure, Mechanical Properties and Wear Characteristics of Ti-Alloys
2.	Mr. G. Sai Kumar	Dr. Asit Kumar Khanra	Full-time	Institute	Synthesis and sintering of ZrB_2 based composites
3.	Mr. K. N. B. Kumar	Dr. C. Vanitha	Full-time	Institute	Development of Texture and Micro-structure during the deformation and welding of Magnesium based alloys
4.	Mr. P. Rambabu	Dr. M. K. Mohan	Part-time	-	Forging Technologies for fabrication of Aluminium Alloy AA2014 Airframe section
5.	Mr. R. Govinda Rao	Dr. P. Surya Prakash Rao	Part-time	-	Development and characterization of Aluminium based Metal Matrix Composites
6.	Mr. Vibhuti Roshan	Dr. G. V. S. Nageswara Rao	(Part-time)	-	Utilization of ultra fine iron ore in sintering through Hybrid Pellet Sintering process.
7.	Mr. V. Rangadhara Chary	Dr. T. Srinivasa Rao & Dr. N. Narasaiah	Part-time	-	Synthesis and characterization of Aluminium based nanocomposites
8.	Ms. Umme Thahira Khatoon	Dr. G. V. S. Nageswara Rao and Dr. M. K. Mohan	Full-time	Institute	Synthesis of copper, gold and silver nano-particles by chemical precipitation

DEPARTMENT OF PHYSICS

A. Completed

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	P. Saidi Reddy	Prof. R.L.N.Sai Prasad Prof. K.S.Narayana	Fulltime	Institute Fellowship	Study in high and low temperature sensing using FBGs
2	Dipankar Sengupta	Prof.M.Sai Shankar Prof. K.S.Narayana	Fulltime	Institution Fellowship	Study on discrete and continuous liquid level measurement using FBGs.

B. Working

S. No.	Scholars	Guide(s)	Fulltime / Parttime	Fellowship	Thesis Title
1	K. Samrajyam	Dr.B.Sobha Prof.R.L.N.Sai Prasad	Full-time	Institute Fellowship	Study of cracks in structures by Optical methods
2	N. Rajeswara Rao	Prof.S.V.S.Ramana Reddy Dr.T.Venakatapparao	Full-time	Institute Fellowship	A study on degradation effects of radiation on some polymers
3	P. Kishore	Dr.D.Dinakar Prof. K.S.Narayana	Full-time	Institute Fellowship	Study on low and high frequency vibration measurements using optical fiber & FBG sensors
4	K.Sowri Babu	Prof.A.R.C.Reddy Dr.K.V.G.Reddy	Full-time	Institute Fellowship	Studies on Photo luminescence of ZnO nanocomposites
5	P.Vengal Rao	Prof. K.S.Narayana Prof.M.Sai Shankar	Full-time	Institute Fellowship	Study on low and pressure sensing using optical fiber & FBG sensors
6	V.Hima Maheswara Rao	Dr.P.Syam Prasad	Full-time	Institute Fellowship	Rare-earth and transition ion doped glasses and ceramics for photonic applications
7	P.V.N. Kishore	Prof.M.Sai Shankar	Full-time	Institute Fellowship	Fiber Optic Sensing
8	B.Evangeline	Dr.P.Abdul Azeem	Full-time	Institute Fellowship	Investigations on rare earth and transition metal ions doped nano phosphors for display applications
9	A.N.Mallika	Prof.A.R.C.Reddy Dr.K.V.G.Reddy	Full-time	Institute Fellowship	Effect of Co-substitution on structural and optical properties of ZnO nanocomposites
10	S.Rajkumar	Dr.P.Abdul Azeem	Full-time	--	Synthesis and characterization of phosphate and silicate based bio active glasses and ceramics for medical applications
11	M.Venkata Reddy	Prof. K.S.Narayana Dr.T.Venakatapparao	Full-time	--	Design and development of FBG sensors for High temperature measurements
12	K.Srinivas	Prof. L.R.G.Reddy	Part-time	--	Instrumentation for Bio-sensing

DEPARTMENT OF CHEMISTRY

A. Completed

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	Krishna V.	Prof. A. Ramachandraiah	Full Time	Institute	
2	S.Srinivasa Rao	Prof. B.V. Appa Rao	Part Time		Corrosion inhibition of carbon steel using Ascorbate and Lactobionate as synergists along with phosphonate and zinc ions
3	Md. Yakub Iqbal	Prof. B.V. Appa Rao	Full Time	TEQIP I	Corrosion protection of copper by self-assembled monolayers of heterocyclic organic molecules with long hydro carbon chains
4	KVV Satyanarayana	Prof. P. Nageswara Rao	Full Time	Institute	Spectrophotometric Determination of Selected Drugs in their formulations

5	B. Suresh kuarm	Prof. B. Rajitha	Full-time	Project, CSIR	Synthesis and biological activities of fused heteroaryls
6	S. Vijaya Lakshmi	Prof. B. Rajitha	Full-time	Institute	Synthesis of new heteryl compounds by green methodologies and study of their biological activities
7	Dr.Ch.V.Sreenivasa Rao	Dr.V.Rajeswar Rao	Full-time	Institute	Synthesis of new heterocyclic systems from phenacyl bromides and 3-(2-bromo acetyl)-2H-1-benzopyran-2-ones.
8	Dr. P. Santhosh	Dr.V.Rajeswar Rao	Full-time	Institute	Multicomponent synthesis of novel heterocyclic compounds and their biological evaluation

B. Working:

S. No.	Scholars	Guide (s)	Fulltime / Part-time	Fellowship	Thesis Title
1	G. Srinivasa Rao	Prof. A Ramchandriah	Full-time	Institute	
2	M. Narasimha Reddy	Prof. B. V. Appa Rao	Full-time	Institute	Corrosion protection of copper by self – assembled films of nitrogen containing heterocyclic organic molecules with long hydro carbon chains
3	K. Chaitanya kumar	Prof. B. V. Appa Rao	Full-time	RGNF	Inhibitor formulations for mitigation of general corrosion and microbially influence corrosion of Cu-Ni(90/10) alloy in sea water environment
4	Vimal Kumar	Prof. B.V. Appa Rao	Full-time	Institute	Chemically modified biological polymers as eco-friendly corrosion inhibitors
5	Santosh Kumar	Dr. Vishnu Shanker	Full-time	Institute	Development of highly efficient visible-light active photocatalysts for environmental applications
6	Surendar T.	Dr. Vishnu Shanker	Full-time	DST-Project Fellowship	Synthesis, characterization and doping effect studies of different photocatalysts under visible light irradiation
7	Muralasetti Nooka Raju	Prof. I.A.K. Reddy	Full-time	Institute	Synthesis, characterization, catalytic applications of functionalized mesoporous silica
8	S. Kanakaraju	Prof. G.V.P. Chandramouli	Full-time	Institute	Synthesis and biological evaluation of novel substituted and fused tetrazole derivatives
9	P. Sagar Vijay Kumar	Prof. G.V.P. Chandramouli	Full-time	CSIR- JRF Fellowship	Synthesis of novel heterocycles
10	L. Suresh	Prof. G.V.P. Chandramouli	Full-time	Institute	Synthesis of some novel and biologically important heterocycles
11	T. Ramesh	Prof. P. Nageswara Rao	Full-time	Institute	Methods Development of Drugs and pharmaceuticals using HPLC
12	P. Kavitha	Prof. K. Laxma Reddy	Full-time	Institute	Synthesis, characterization and biological activity studies of metal complexes of 3-formyl chromone Schiff bases
13	M. Rajini	Dr. Venkatathri Narayana	Full-time	Institute	Synthesis, characterization, catalytic and biological applications of metal amino phosphates
14	A. Ajay Kumar	Dr. Venkatathri Narayana	Full-time	Institute	Synthesis, characterization and catalytic applications of Silico Alumino phosphates, molecular sieves
15	E. Rajesh	Prof. Ramachandraiah	Full time	Institute	
16	B. Janardhan	Prof. B. Rajitha	Full-time	Institute	Design and synthesis of biologically important new heterocyclic compounds
17	V. Ravibabu	Prof. B. Rajitha	Full-time	UGC	Studies and synthesis of biologically active heterocycles.
18	G. Rajitha	Prof. B. Rajitha	Full-time	UGC	New approaches for design, synthesis and biological evolution of heterocycles
19	P. Sreenu	Dr.V.Rajeswar Rao	Full	CSIR	Synthesis and anti angiogenesis activity of new sulphur heterocyclic compounds derived from coumarins.
20	B. A. Tewodros	Dr.V.Rajeswar Rao	Full	Ethiopian Government	Synthesis of sulphur and nitrogen heterocycles using multi-component approach.

21	R. Raj Kumar	Dr.V.Rajeswar Rao	Full	UGC	Synthesis of new heterocyclic compounds using multi-component approach.
22	V. Krishnaiah	Dr.V.Rajeswar Rao	Full	UGC	Synthesis and biological activity studies of new sulphur and nitrogen heterocyclic compounds.
23	B. Thirupaiah	Dr.V.Rajeswar Rao	Full	Institute	Synthesis of new hetrocyclic compounds from bromo dehydroacetic acid.
24	K. Koteshwara Reddy	Dr. K.V. Gobi	Full	Institute	Electrochemical Impedimetric sensors for Biomedical Markers
25	Slayanarayana M	Dr K.V. Gobi	Full Time	Institute	Electrochemical insitu Analysis of Pharmaceutical compounds Nanoensembled Electrodes
26	G. Mallikarjun	Dr. P.V.SriLakshmi	Full Time	CSIR	Design, Synthesis and Transfection efficiency of Novel Pyrazole, Triazole, tretrazole based novel cationic lipids for non viral gene delivery targeted to Tumor cells
27	Venkanna	Dr. P.V.SriLakshmi	Full Time	CSIR	Design, Synthesis and Transfection efficiency of Novel cationic lipids for non viral gene delivery targeted to BBB
28	P. Mahendranath	Dr. P.V.SriLakshmi	Full Time	CSIR	Design, Synthesis and Transfection efficiency of Novel cationic lipids for non viral gene delivery targeted to Tumor
29	V. Amarnath	Dr. P.V.SriLakshmi	Part Time		Rational Design of Dimerizable and targetable cationic peptide amphiphiles for non viral Gene Delivery
30	G. Ramesh	Dr. D. Kasinath	Full time	UGC	Synthesis of sulfasalazine derivatives
31	S. Nagaraju	Dr. D. Kasinath	Full time	UGC	Synthesis of kaitocephalin derivatives

DEPARTMENT OF MATHEMATICS:

A. Completed

S. No.	Scholars	Guide(s)	Fulltime/ Part-time	Fellowship	Thesis Title
1.	A.V.Ramana Kumari	Prof.G.R.K.Acharya	Fulltime	QIP	Effect of slip on peristaltic transport with wall properties
2.	K.Kaladhar	Dr.D.Srinivasacharya	Fulltime	Institute	Homotopy analysis method for convection in couple stress fluids
3.	M.Krishna Prasad	Dr.D.Srinivasacharya	Fulltime	Institute	Slow viscous flow past porous approximate spherical particles
4.	Habtu	Prof.G.R.K.Acharya	Fulltime	Foreign	Dispersion of solute in peristaltic transport of non-Newtonian fluids
5.	G.Janardhan Reddy	Dr.H.P.Rani	Fulltime	Institute	Transient couple stress fluid flow past a vertical cylinder
6.	Hari Shankar Prasad	Prof.Y.N.Reddy	Fulltime	QIP	Numerical study of a class of singular perturbation problems
7.	Ragoju Ravi	Dr.A.Banerji Babu	Fulltime	Institute	Convective instabilities in a sparsely packed porous medium
8.	Tesfahun Berhane	Dr.P.Muthu	Fulltime	Foreign	Some mathematical models of flow in renal tubules

B. Working

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Area of Research
1.	T.Divya	Dr.H.P.Rani	Fulltime	BRNS Project	Computational Fluid Dunamics
2.	M.Venkata-rajem	Dr.R.S.Selvaraj	Fulltime	Institute	Coding Theory
3.	Pavan Kumar	Prof. D.Dutta	Fulltime	UGC	Operations Research
4.	Y.Showri Raju	Prof.K.N.S.Kasi Viswanadham	Fulltime	Institute	Finite Element Methods
5.	G.B.S.L. Sowjanya	Prof.Y.N.Reddy	Fulltime	Institute	Numerical Analysis
6.	M.Upender	Dr.D.Srinivasacharya	Fulltime	CSIR Project	Computational Fluid Dunamics
7.	O.Surender	Dr.D.Srinivasacharya	Fulltime	Institute	Computational Fluid Dunamics
8.	J.Srinivas	Prof.J.V.Ramana Murthy	Fulltime	Institute	Fluid Mechanics
9.	B.Srinivasu-lu	Prof.K.N.S.Kasi Viswanadham	Fulltime	Institute	Finite Element Methods
10.	M.Phani Kumar	Prof.J.V.Ramana Murthy	Fulltime	QIP	Fluid Mechanics
11.	D.Kumara-swamy	Dr.A.Banerji Babu	Fulltime	QIP	Fluid Mechanics
12.	Gemechis File Duressa	Prof.Y.N.Reddy	Fulltime	Foreign	Numerical Analysis
13.	Gurju Awgichew Zergaw	Prof.G.R.K.Acharya	Fulltime	Foreign	Bio-Mechanics
14.	G.Ravi Kiran	Prof.G.R.K.Acharya	Fulltime	Institute	Bio-Mechanics
15.	N.Santhosh	Prof.G.R.K.Acharya	Fulltime	Institute	Bio-Mechanics
16.	Lakshmi Shireesha	Prof.Y.N.Reddy	Fulltime	Institute	Numerical Analysis
17.	P.Vijay Kumar	Dr.D.Srinivasacharya	Fulltime	Institute	Computational Fluid Dunamics
18.	S.Mallishwar Reddy	Prof.K.N.S.Kasi Viswanadham	Fulltime	Institute	Finite Element Methods
19.	G.Nithish Kumar	Prof. D.Dutta	Fulltime	Institute	Operations Research
20.	K.Madhu-latha	Prof.Y.N.Reddy	Fulltime		Numerical Analysis
21.	G.Swamy Reddy	Dr.D.Srinivasacharya	Parttime		Computational Fluid Dunamics
22.	P.Padmaja	Prof.Y.N.Reddy	Parttime		Numerical Analysis
23.	E.Sai Krishna Reddy	Prof. D.Dutta	Parttime		Operations Research
24.	N.Vamshi Krishna	Prof.J.V.Ramana Murthy	Parttime		Fluid Mechanics
25.	T.Govinda Rao	Prof.J.V.Ramana Murthy	Parttime		Fluid Mechanics

DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES:

A. Completed

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	K.C.Casimir	Prof. D.S.Kesava Rao	Part-Time	no	Teacher Development in ELT with a Specific Focus on Enhancing the Spoken English Skills of Students at the Secondary School Level

SCHOOL OF MANAGEMENT:

B. Working

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	Mr.Naga Sai T	Dr.M.Ravindar Reddy	Part Time	-	Branding in Retail Sector
2	Ms. P. Premalatha	Dr. P. Ramlal	Full time	Institute Fellowship	Impact of organizational culture on employee engagement:
3.	Mr.T.Rahul	Dr.Ritanjali Majhi	Full time	Institute Fellowship	A Study on Customer Satisfaction, Loyalty and Churning in Telecom Sector in India

BIOTECHNOLOGY

B. Working

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	V.Swapna	Dr.P.Sreenivasa Rao	Fulltime	NIT,Warangal	Production and optimization of Industrially Important Alkaline Protease Enzymes from soil Microorganisms
2	B Rama Raju	Dr.P.Sreenivasa Rao	Fulltime	NIT,Warangal	Development of Yeast Cell Factory for Improved Production of Isoprenoids
3	M.Naveeen Kumar	Dr.P.Sreenivasa Rao	Fulltime	NIT,Warangal	Fabrication of Bioactive Polymer Scaffolds for Umbilical Cord Blood Derived Bone Regeneration

Details of the candidates admitted into Ph.D. from 01.07.2012 to 30.06.2013

Sl. No.	Roll No.	Name of the Student	Department
1.	701230	Venkata Koteswara Rao, P	Civil Engineering
2.	701231	K. Ramsha	Electrical Engineering
3.	701232	O.V.S.R. Vara Prasad	Electrical Engineering
4.	701233	Durga Hari Kiran. B	Electrical Engineering
5.	701235	Ramulu Chinthamalla	Mech. Engg.
6.	701237	Thallapalli Nagaveni	Mech. Engg. (QIP)
7.	701238	N. Ch. Kaushik	Mechanical Engineering
8.	701239	Vishnumurthy Nallapati	Mechanical Engineering
9.	701240	Kandi Kishore Kumar	Mechanical Engineering
10.	701241	Maddina Srinivasa Rao	Mechanical Engineering
11.	701242	Mechiri Sandeep Kumar Venugopal	Mechanical Engineering
12.	701243	Jagadisan Krishna Murthy	Mechanical Engineering
13.	701244	Pillarisetty Anil Kumar	Mech. Engg.
14.	701246	Bathula Sivakumar Reddy	E.C.E.
15.	701247	Karne Satish Kumar	E.C.E.
16.	701248	D. Pavan Kumar Sarma	E.C.E.
17.	701250	Varayogi Rangadhara Chary	Met. & Mat. Engg.
18.	701251	K. Nagabhushan Kumar	Met. & Mat. Engg.
19.	701252	Fathimabi Shaik	C.S.E.
20.	701253	Rajitha. B	C.S.E.
21.	701254	Pinapati Anil	C.S.E.
22.	701255	C. Lakshmi Sireesha	Mathematics (QIP)
23.	701256	Santhosh Nallapu	
24.	701258	Vemula Himamaheswara Rao	Physics
25.	701259	P. Vayu Nandana Kishore	Physics
26.	701260	Ballem Evangeline	Physics
27.	701261	Mallika A.N.	Physics
28.	701262	Rajkumar Samudrala	Chemistry
29.	701263	Gondru Ramesh	Chemistry
30.	701264	Rajamouli Kanna	Chemistry
31.	701265	A. Ajay Kumar	Chemistry
32.	701271	Rakesh Voddepally	Chemistry
33.	701272	Desalegn Wogaso Wolla	Mechanical Engineering
34.	701273	Dagne Birhanu Mamo	Mechanical Engineering
35.	701274	Sakkani Nagaraju	Chemistry
36.	701275	Muripiti Venkanna	Chemistry
37.	701276	Mahendranath Potharaju	Chemistry
38.	701301	V Naveen Reddy Pothula	Civil Engineering
39.	701302	Anil Modinpuroju	Civil Engineering
40.	701303	Syed Mubashirhussain	Civil Engineering
41.	701305	Vishnuprasad Muddineni	Electrical Engineering
42.	701306	Parumandla Naresh	Mechanical Engineering
43.	701307	Shivakumar N	Mechanical Engineering
44.	701309	Sunnydayal Vanambathina	E.C.E.
45.	701312	Umme Thahira Khatoon	Met. & Mat. Engg.
46.	701314	Vijaya Kumar Talari	Chemical Engineering
47.	701315	Suresh Kumar Mudunuri	Chemical Engineering

48.	701316	R. Phani Bhushan	C.S.E.
49.	701317	P Vijay Kumar	Mathematics
50.	701318	S Mallishwar Reddy	Mathematics
51.	701319	Gopagani Nithishkumar	Mathematics
52.	701321	Venkata Reddy Mamidi	Physics
53.	701322	Lingala Suresh	Chemistry
54.	701323	Rajesh Ella	Chemistry

5.2 DETAILS OF THE Ph. D AWARDED FROM 1.7.2012 TO 30.6.2013

Number of Ph.Ds awarded from 1.07.2012 to 30.06.2013

	Name of the Scholar	Department	Supervisor	Title of the Research
1	Arun Tom Mathew Full Time - 700752	Mechanical Engineering	Prof. C.S.P. Rao	An integrated Approach for Mining Subassemblies and Genrating Optimal Assembly Sequence Plans
2	Md. Yakub Iqbal Full Time - 700605	Chemistry	Prof. B.V. Appa Rao	Corrosion protection of Copper by self-Assembled monoloyers of Hetero Cyclic organic Molecules with long Hydro corbon Chains
3	Ms. Kedika Bhavani Full Time - 700767	Chemistry	Dr. P.V. Srilakshmi	Design, Synthesis and Efficiency of Novel Tocopherol Based Cationic Lipids and Benzethiazole Head Group based Lipids for Non=viral Gene Delivery
4	P.K. Jayakumar Part Time - 700709	Mechanical Engineering	Prof. G.R.N. Tagore (Retired)	Investigation on Processing of Functionally Graded Material by Co-extrusion equal channel angular Pressing.
5	Md. Ali Kadampur Full Time - 700706	Computer Science and Engineering	Prof. D.V.L.N. Somayajulu	A Non-Interactive Frame work for Privacy Preserving Data Mining
6	Kaladhar Kolla Full Time - 700972	Mathematics	Dr. D. Srinivasacharya	Homotopy Analysis method for convection in couple stress fluids
7	E. Muneender Full Time - 700733	Electrical Engineering	Prof. D.M. Vinod Kumar	Optimal Static and Dynamic Congestion Management in a Power Market using Mutation based Hybrid Fuzzy Adaptive Swarm Intelligence Techniques
8	Madasu Krishna Prasad Full Time - 700973	Mathematics	Dr. N. Srinivasa Charyulu	Slow Viscous flow part porous approximate Spherical particles.
9	Venkatesh. C. Full Time - 700734	Electrical Engineering	Prof. D.V.S.S. Siva Sarma	Analysis, Classification and Mitigation Techniques of Voltage SAG/SWELL and Harmonics
10	Ms. S. Vijaya Laxmi Full Time - 700822	Chemistry	Prof. B. Rajitha	Synthesis of new heteryl compounds by green methodologies and study of their biological activities
11	Habtu Alemayehu Atsbaha Ethiopian Spon 900986	Mathematics	Prof. G.R.K. Acharya	Dispersion Of A Solute In Peristaltic Transport Of Non Newtonian Fluids
12	Vijaya Bhaskar P 700409	Chemistry	Prof. A. Ramachandraiah	Electrochemical and Spectral Investigations of some Pharmaceutically important Heterocycles with A20 and Azemethine Moieties.
13	Raghu C. Reddy Part Time - 700806	Mechanical Engineering	Dr. R. Narasimha Rao	Materials for Lithium Ion Battrary Anode – Studies on Synthesis and Characterization of some Metal Oxides and their Composites
14	D. Ravi Prasad Full Time/Part Time 700714	Civil Engineering	Prof. D. Rama Seshu	Study on Dynamic Characteristics of Reinforced Concrete Beams Subjected to Damage Under Fatigue Loading
15	A. Padma Rao Full Time - 700907	Mechanical Engineering	Prof. R.V. Chalam	Analysis, Design and Development of New Steering Mechanisms for Four Wheel Road Vehicles
16	Hota Ravi Sankar Part Time - 700514	Mechanical Engineering	Prof. Bangaru Babu	Enhancement of Damping in Glass Fabric Epoxy Composites
17	K.S. Casimir Part Time - 700416	Humanities and Social Sciences	Prof. Thiruvenkata Swamy & Prof. D.S. Kesava Rao	Teacher Development in ELT with a specific focus on enhancing the spoken English skills of students at the secondary school level.
18	M. Sri Krishna Rao Part Time - 700805	Mechanical Engineering	Dr. R. Narasimha Rao	Characterization of an In-Situ deposited composite thermal barrier coating (TBC) using atmospheric plasma spray (APS) process on a Nickel base super alloy Supernl 263A

19	G. Janardhana Reddy Full Time - 700971	Mathematics	Dr. H.P. Rani	Transient Couple Stress Fluid Flow past a vertical cylinder
20	Ms. B. Kannamba Full Time/Part Time 700504	Chemistry	Prof. K. Laxma Reddy	Removal of Chromium Copper and Lead Ions from Aqueous medium using Chitosan Derivatives
21	Dipankar Sengupta Full Time - 700729	Physics	Prof. M. Sai Shankar	Study on Discrete and continuous Liquid level Measurements using Fiber Bragg Gratings
22	Hari Shankar Prasad Full Time (QIP) - 700985	Mathematics	Prof. Y.N. Reddy	Numerical Study of a class of Singular Perturbation problems
23.	G. Venkateswarlu Full Time - 700955	Mechanical Engineering	Prof. G.R.N. Tagore & Dr. Davidson	Formability studies of Friction Stir Processed Magnesium AZ31B Alloy
24.	Santhosh Penta Full Time - 700987	Chemistry	Prof. V. Rajeswara Rao	Multi-component Synthesis of Novel Heterocyclic Compounds and their Biological Evaluation
25.	Ragoju Ravi Full Time - 700970	Mathematics	Dr. A. Benerji Babu	Convections Instabilities in a sparsely packed porous medium
26.	B. Venugopal Reddy Full Time - 700761	Electrical Engineering	Prof. V.T. Somasekhar	Investigations on Circuit Topologies & PWM schemes for a Four-Level Dual Inverter FED Open-End Winding Induction Motor Drive
27.	Suneel Kumar Allam Full Time - 700622	Chemistry	Prof. G.V.P. Chandramouli	A Green Chemical approach towards the synthesis and reactions of some Heterocyclic systems.
28.	Tesfahun Berhane Kendeya Ethiopean Sponsored - 700926	Mathematics	Dr. P. Muthu	Some Mathematical Models of flow in Renal Tubules
29.	K. Ramesh Part Time (Internal Faculty) 700148	Computer Science and Engineering	Prof. T. Ramesh	ASWIN – A Model-Driven Framework for Automated Software Generation in Networked Environment
30.	Vinod Kumar V Part Time - 700702	Mechanical Engineering	Prof. A. Venugopal	Investigations on Quality Issues of Rapid Prototyping Parts
31.	Ganesh Kumar Gampa Part Time - 700763	Mechanical Engineering	Prof. Gururaja Rao	Interaction of Surface Radiation with Conjugate Mixed convection from a discretely and Non=Identically heated vertical Plate with Non-Adiabatic and Adiabatic Non-Heat Source Portions
32.	Mithun Bhaskar. M. 700816 - Full Time	Electrical Engineering	Prof. M. Sydulu	New Nature and Bio-Inspired Computational (NaBIC)Techniques for power system Optimization Problems
33.	Shelke Santosh Nivrutti 700804 - Part Time	Mechanical Engineering	Prof. R.V. Chalam	Identification and Loss Optimization in Radial Magnetic Bearing using Genetic Algorithms
34.	Upradishta Satyavara Prasad - 700914 Part Time	Mechanical Engineering	Prof. K. MadhuMurthy & Prof. G. Amba Prasad Rao	Investigations on the performance and emissions of a compression Ignition Engine Fuelled with Biodiesel-Diesel Blends
35.	Krishna Vaddadi 700821 - Full Time	Chemistry	Prof. A. Rama Chandraiah	Synthesis and characterization of some new series of Biphenyl bridged polynucleating ligands and their bivalent metal complexes as possible super molecular hosts
36.	Puli Kishore Kumar Full Time - 700925	Electronics and Communication Engineering	Dr. K. Kishore Kumar	Some investigations on Signal Processing aspects of Ultra-Wideband (UWB) Radar for through-the-wall Imaging
37.	K.V.V. Satyanarayana Full Time - 700732	Chemistry	Prof. P. Nageswara Rao	Spectrophotometric Determination selected drugs in their formulations
38.	D. Harikrishna Full Time - 700760	Electrical Engineering	Dr. N.V. Srikanth	Enhancement of Dynamic and Transient stability of power systems using Fuzzy and ANN controlled flexible AC Transmission systems
39.	Rayi Naveen Kumar Full Time - 700967	Chemical Engineering	Dr. A. Venu Vinod	Studies on Biodegradation of Phenolic Wastewater in a bubble column Bioreactor
40.	Srinu Naik Sapavatu Part Time-Internal Faculty 700921	Chemical Engineering	Prof. Y. Pydisetty	Optimization of Parameters for Biological denitrification of wastewater in a gas-liquid-solid Bioreactor

Number of Ph.Ds. Awarded from 01.07.2012 to 30.06.2013: ***40***

Civil Engineering	:	01
Electrical Engineering	:	05
Mechanical Engineering	:	11
E.C.E.	:	01
Chemical Engineering	:	02
C.S.E.	:	02
Chemistry	:	09
Mathematics	:	07
Physics	:	01
English (H&SS)	:	01

5.3 RESEARCH PROJECTS

DEPARTMENT OF CIVIL ENGINEERING

A. Intradisciplinary Projects

i) Completed - Nil

ii) Ongoing

S. No.	Name(s) and Designation	Title of the project	Fund Rs. lakhs	Agency
1	E.Venkata Rathnam, K.V.Jayakumar, A.Shaul Hameed	Lake Dynamics and Their interaction with Aquifers in Warangal by using Isotope studies.	19.83	CWRDM, Kozikhode, Kerala
2	P. Hari Prasad Reddy	Remediation of Acid/ Alkali Polluted Soils Using Fly Ash	3.3	MHRD (RSM)
3	Ajey Kumar Patel	Study of Flow Patterns in Stirred Tanks by CFD	1.2	MHRD (RSM)
4	M. Shashi	Creation of digital database using Close Range Photogrammetry for monuments and heritage sites of Warangal	3.3	MHRD (RSM)
5	Arun C. O.	Random Field Discretization in Stochastic Meshfree Method	1.9	MHRD (RSM)
6	Venkata Reddy Keesara	Development of Rural Information System Using High Resolution Satellite Data, GIS and GPS	16.92	DST, GoI Scheme: SERC Fast Track Proposals For Young Scientists
7	Venkaiah Chowdary	Influence of Mix Properties on the Permanent Deformation Characteristics of Asphalt Mixtures	3.50	MHRD, GoI (RSM)
8	C.S.R.K. Prasad, and Venkaiah Chowdary	Sealing of gravel roads	19.50	MoRD, GoI
9	D. Ravi Prasad	Damping Characteristics of Concrete (RSM)	2.2	MHRD (RSM)
10	Dr. K. Gopi Krishna	Fragility Analysis of Reinforced Concrete Buildings – A measure of Seismic performance	3.7	MHRD (RSM)
11	T.D. Gunneswara Rao	Behaviour of Geopolymer Concrete	3.25	MHRD, (RSM)
12	Sri M. Sudhakar	Behaviour of SFRC	3.75	MHRD, (RSM)
13	CSRK Prasad	Centre for Urban Transportation Studies	132.50	MOUD, New Delhi
14	CSRK Prasad	Sealing of Gravel Roads	19.50	PRED, GoAP & NRRDA, MoRD, GOI
15	K.V.R Ravi Shankar	Assessment of Pedestrian Facility requirements in Indian Traffic.Conditions	2.80	MHRD
16	DSNV. Amar Kumar	Laboratory Characterization of Emulasified Bitumen Treated Bases	3.40	MHRD
17	S. Venkateswara Rao	A study on the influence of Nano Particle (Al_2O_3 and Fe_2O_3) inclusion in self Compacting Concrete (SCC)	3.30	MHRD
18	M.Heeralal	Fatigue Performance of Cement Treated Bases	2.80	MHRD
19	D.Ravi Prasad	Damping Charactertistic of Concrete	2.80	MHRD
20	K. venkata Reddy	Development of 3D spatial information for NITW Campus	0.50	MHRD

DEPARTMENT OF ELECTRICAL ENGINEERING

A. Intradisciplinary Projects

I) Completed

Name of the Project	Name of the Coordinator(s)	Sanction Letter and Date	Amount sanctioned (Rs. in lakhs)	Funding Agency
Investigation on Distributed Generation Resources with Energy Storage System in a Micro grid	Dr. Narasimharaju B L	NITW/DIR/2012/245/2011, dated:14.09.2012	One	Institute RSM project funded by MHRD

i) Ongoing

S. No.	Name(s) and Designation	Title of the project	Fund Rs. lakhs	Agency
1	A. Kirubakaran	Analysis of Three level DC-DC Converter and Multilevel Inverter for Fuel Cell based Power Supply System	2.8	MHRD through NITW (RSM)
2	A.V.Giridhar	Partial discharge diagnosis in SF_6 and transformeroil insulation using HFCT sensor measurement technique	2.0	MHRD Through NITW (RSM)
3	S.Porpandiselvi (Co-Investigator)	Formability of Induction Heated Tailor welded blanks(TWB) of precipitation hardenablealuminium alloys	5.7	SERC, DST, 2009
4	Sachin Jain	Simulation, Design and Deveoplment of a Prototype for a grid tie PV inverter	2.50	MHRD
5	P.Suresh Babu	Adaptive Protection schemes Development for powder system with Digital Multifunction Relays	2.00	MHRD
6	S.P.Selvi	Development of Inverter Configurations for Induction Hardening Applications	1.00	MHRD
7	M.Sailaja Kumari	Energy Efficient Solar Powered LED Street Lighting System	3.50	MHRD
8	M Uday Bhasker	Integration of Solar Energy System and Conventional AC supply for Development of Efficient Driver Circuit for Powder LED's	1.00	MHRD

B. Interdisciplinary Projects

ii) Ongoing

Name of the Project	Name of the Coordinator(s)	Sanction Letter and Date	Amount sanctioned (Rs.in lakhs)	Funding Agency	Collaborating Department(s) / Organisation(s)
Formability of Induction Heated Tailor welded blanks(TWB) of precipitation hardenablealuminium alloys	S.PORPANDISELVI (Co-Investigator)	SR/S3/MERC/110/ 2009	5.7 Lakhs	SERC, DST, 2009, 5.7 Lakhs, on-going.	Mechanical Engg. Dept., NITW

DEPARTMENT OF MECHANICAL ENGINEERING

A. Intradisciplinary Projects

i) Completed

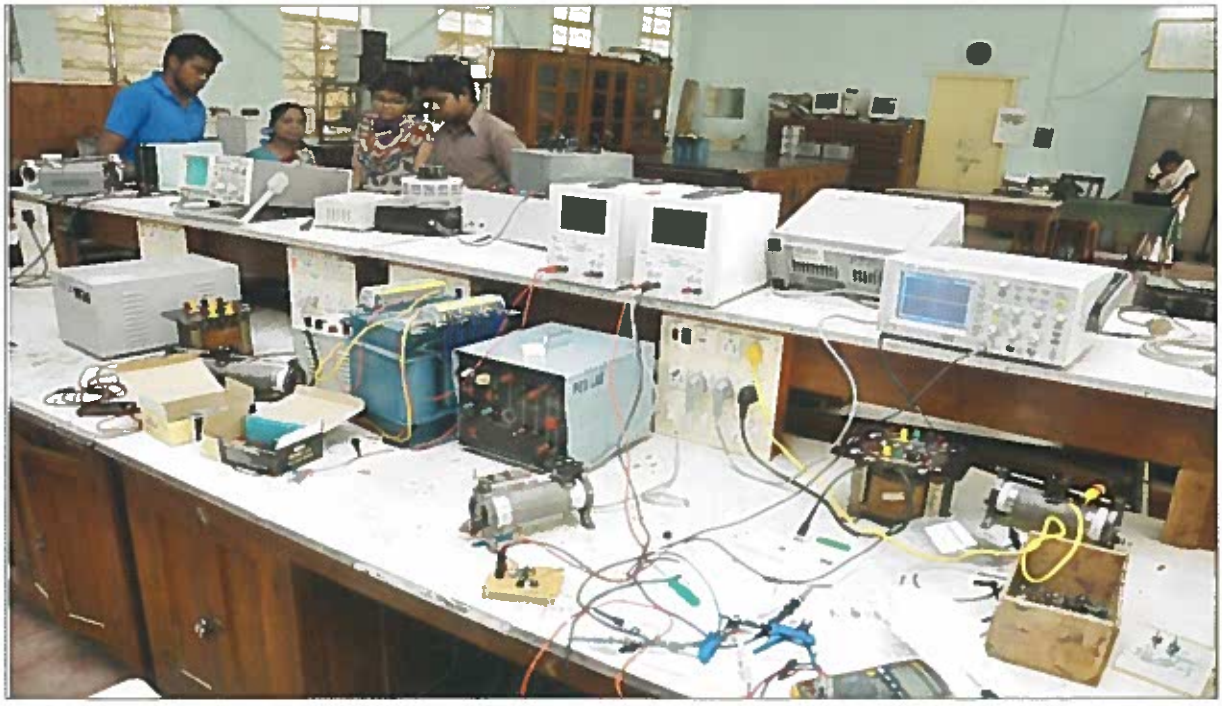
Name of the Project	Name of the Coordinator(s)	Sanction Letter and Date	Amount sanctioned (Rs. In lakhs)	Funding Agency
National Mission Project on Education through ICT: Mechatronics	Dr. N. Venkaiah Dr. V. Vasu Prof. C. S. P. Rao		10.00	MHRD, Govt. of India
Engineering System Studies of PV Arrays	A.V.N.Rao		4.3	UGC, New Delhi
Prediction of Solar Radiation	A.V.N.Rao		0.2	UGC, New Delhi
Fabrication of Transmission Line inspection Robot	V Vasu		60,000	IE India
CO_2 moulding	Dr.K.V.Sai Srinadh			
Applied for e.content generation for NDT Course	Dr.K.V.Sai Srinadh		7.0	MHRD
Study and Metallurgical Behavior of Powder mixed EDM Process	A. Kumar		1	NIT, Warangal

ii) Ongoing

S. No.	Name(s) and Designation	Title of the project	Fund Rs. lakhs	Agency
1	Dr. N. Venkaiah	Experimental Studies on Wire Electric Discharge Machining	21.10	DST
2	Dr. N. Venkaiah	Single Discharge Analysis of Electric Discharge Machining	3.15	MHRD' (RSM) Scheme
3	Dr.A.Veeresh Babu	Comparative experimentalism on the NOx reduction using Urea dosed SCR and EGR system with a second generation biofuel	2.8	MHRD, NITW
4	Dr.A.Veeresh Babu	Euglena a kind of Algae as a Bio-Diesel	1.5	APCOST
5	A.V.N.Rao –Co-ordinator &S.S.Rao–Co-Coordinator	TEQUIP Project	500	GOI, New Delhi
6	G.Naga Srinivasulu	Parametric Studies and Dynamic Response of PEM Fuel Cell	2.50	MHRD, RSM
7	R. Narasimha Rao	Sliding and Abrasive wear 124ehavior of aluminium matrix composites	3.3	(MHRD-RSM)
8	**PI CoPI** **Prof. Amit Aggrawal** IIT Bombay	Fabrication of Si microchannel microsystem and study the effect of Nanofluids on heat	1.5	INUP, IIT Bombay
9	A. Kumar	EDM process with ultrasonic assisted electrode for machining of Titanium alloy	2.3	NIT, Warangal
10	Dr.V.Vasu	Performance and behavior of novel nanoparticles based coolants in minimum quantity lubrication in turning and milling	18.75	DST
11	K.Kiran Kumar	Novel Frost Free Refigerator	2.80	MHRD, RSM
12	V.R.K. Raju	Experimental Investigation of Rod Climbing Effect	2.80	MHRD, RSM
13	Srikanth Korla	Energy Harvesting for Micro Power Application using Piezoeletric Actuators	2.50	MHRD, RSM
14	B.Siva Prasad Reddy	Design andManufacturing of Radomes	3.50	MHRD, RSM
15	V.Hari Kumar	Design Optimization through Isogeometric Representation and Analysis	2.50	MHRD, RSM
16	V. Suresh Babu	Study of Pitching and Bouncing Motions of an Automobile	2.50	MHRD, RSM
17	T.Sadasiva Rao	Performance Evaluation of Carbide Insert While Face Milling of Hard Mateials and In- Process Monitoring of tool Condition using Acoustic Emission	2.00	MHRD, RSM
18	M.J.Davidson	Modeling studies on the Densification behavior of A1-TiB_2 P/M Composites	2.50	MHRD, RSM
19	I.A.K. Reddy	Effect of Crygonic Treatment on Friction Stir Weldinf of Dissmilar Metals (AA 6061 and Copper)	2.00	MHRD, RSM
20	P.Subhash Chandra Bose	Machinability and Wear studies of Nibioum, Nimonic -75 andNicrifer c263 super Alloys	2.80	MHRD, RSM
21	P.Ravi Kumar	Experimental Evaulation of Effect of Methanol Gasoline Blends with Combustion Improving Additives in Carburatured Spark Ignition Engine	1.30	MHRD, RSM
22	V.Vasu	Design and Fabricati of Transmission Line Inspection and Mainteance Robot	1.50	MHRD, RSM



सामग्री परीक्षण प्रयोगशाला
Material Testing Laboratory



इलेक्ट्रॉनिक्स प्रयोगशाला
Electronics Laboratory

ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT

A. Intradisciplinary Projects

ii) Ongoing

S. No.	Name(s) and Designation	Title of the project	Fund Rs. lakhs	Agency
1	Prof. N.V.S.N Sarma, Dr. D. Vakula	Design of optimum phased array and Identification of faulty elements	9.9	DLRL, DRDO
2	Dr. T.Kishore Kumar	Study and development of real time adaptive filter algorithms for noise cancellation in sensor measurements	8.50	RCI,DRDO
3	Dr. B.Lakshmi, Dr.P.Muralidhar	Multimedia and DSP extension of Anurag Microprocessor	9.5	DRDO Anurag DLRL, Hyderabad
4	Dr. V V Mani	O-QPSK Modulator and Demodulator design and performance analysis for IEEE 802.15.4 Personal Area Networks	9.8	Anurag DRDO Hyderabad
5	D.Vakula	Design of Antenna Arrays with Multiple Beam widths	4.00	MHRD, RSM
6	S. Anuradha	Performance Analysis of Blind Adaptibe Algorithms for Multi carrier communication System	3.00	MHRD, RSM
7	V.V. Mani	High Data rate OFDMA transceiver implementation	3.25	MHRD, RSM
8	T.Kishore Kumar	Real Time implimentatin of Hybrid Algorithms for Speech Enhancement	3.25	MHRD, RSM
9	Sreehari Rao Patri	Fabrication of CMOS voltage references	3.25	MHRD, RSM
10	K. Ravi Kishore	High speed Multicast Networking	3.00	MHRD, RSM
11	B. Laxmi	Implimentation of Digital down Converter on FPGA for multi standard software defind Radio Applications	3.25	MHRD, RSM
12	P. Muralidhar	Implementation of Scalable video codec motion estimation Algorithm on FPGA for multi Resolution video Applications	3.00	MHRD, RSM
13	Amara Prakasa Rao	Implementation of smart antenna system test- bed based on Beam Forming	1.00	MHRD, RSM
14	J. Ravi Kumar	Real Time implementation of Target Tracking Algorithms	3.00	MHRD, RSM
15	M.V Raghunadh	Real Time Person Indentification System for Network Application	3.00	MHRD, RSM

DEPARTMENT OF CHEMICAL ENGINEERING

A. Intradisciplinary Projects

ii) Ongoing

S. No.	Name(s) and Designation	Title of the project	Fund Rs. lakhs	Agency
1	Dr. Shrish H Sonawane	Development of dispersion process of high solid containing propellant slurry with Nano Al Particles	10.4	ISRO
2	T. Sunil Kumar	Microfludic Sensor for Particulate Matter in Fluids	3.30	MHRD, RSM
3	Shirish H Sonawane	Experimental and theoretical investigation of Nano paticle formation by ultrasound atomization Process	3.30	MHRD, RSM
4	S. Srinath	Process Intensification of Speciality Chamical synthesis using Micro Reactor	3.30	MHRD, RSM
5	K.Anand Kishore	Water Treatment using Nano Porous Membrane	3.30	MHRD, RSM
6	A. Venu Vinod	Heat Transfer Enchncement using Nano Fluids	3.25	MHRD, RSM

Other Projects:

MHRD sponsored project for Curriculum Design and Development for "Fluid & particle Mechanics" as a part of "Developing suitable pedagogical methods for various classes, intellectual calibers and research in e-learing" under National Mission project on education through ICT. Coordinated by IIT Kharagpur. Rs. 8 lacs (Developeer: Dr. A. Venu Vinod, Associate Professor)

DEPARTMENT: COMPUTER SCIENCE & ENGG.

A. Intradisciplinary Projects

i) Completed

Name of the Project	Name of the Coordinator(s)	Sanction Letter and Date	Amount sanctioned (Rs. in lakhs)	Funding Agency
Development of an Information Management System for Operationalizing Maternal Neonatal & Child Health (MNCH) in a CHNC Area	B.B.Amberker S.Ravi Chandra	2010	10lakhs	UNICEF

ii) Ongoing

S. No.	Name(s) and Designation	Title of the project	Fund Rs. lakhs	Agency
1	D.V.L.N. Somayajulu - Institute Level Coordinator	Design of Suitable pedagogical methods for various classes, intellectual calibers and research in e-learning - Pilot Project	67.75	MHRD -NMEICT - Anchored with IIT Kharagpur
2	D.V.L.N.Somayajulu B B Amberker	E-content Generation and Delivery Management for Student Centric Learning	21.00	MHRD
3	D.V.L.N. Somayajulu Institute level coordinator	Design of Suitable pedagogical methods for various classes, intellectual calibers and research in e-learning - Main phase project	140.00	MHRD
4	D.V.L.N. Somayajulu	Information Security Education Awareness Programmes	Ongoing	MCIT, Dept of IT, GOI, New Delhi
5	DVLN Somayajulu RBV Subramanyam	Social Media Monitoring and Management	10	Infosys R&D Project
6	R.Padmavathy	Secure SMS using Koblitz curve based ECC on Android devices	14	DST, SERC,GOI,
7	Raju Bhukya	A Tool for finding Different types of Repeats to detect the inter relationship and finding mutations among different Species in Billigical Sequences	2.50	MHRD, RSM
8	S.Ravichandra	Software...Databases A Probabilistic Approch to Predict Changes in Relatinla data base Schema	2.00	MHRD, RSM

DEPARTMENT OF METALLURGICAL AND MATERIALS ENGINEERING

A. Intradisciplinary Projects

i) Completed

Name of the Project	Name of the Coordinator(s)	Sanction Letter and Date	Amount sanctioned (Rs. lakhs)	Funding Agency
Synthesis and Characterization of ZrB_2 Powder and ZrB_2 based Composite Powder	Dr. Asit Kumar Khanra	February 2010	14.90	DRDO

ii) Ongoing

S. No.	Name(s) and Designation	Title of the project	Fund Rs. lakhs	Agency
1	Dr. Asit Kumar Khanra	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.	21.5	CSIR
2	Prof. M. K. Mohan	Evaluation of Ti-15-3 Beta Titanium alloy for high strength fasteners for space applications	16.79	ISRO
3	Prof. G. V. S. Nageswara Rao	Development and Evaluation of Wear Properties of Boron Carbide and Chromium Diboride for Control Rod Applications in Nuclear Reactors	46.655	BRNS
4	Prof. G. V. S. Nageswara Rao	Improvement of tribological properties of titanium alloys	17.14	AR&DB
5	Dr. C. Vanitha	Textureand Micro Structure Developments in cold, Warm and Hot Rolled pure magnesium AZ91, AZ61 and AZ31	1.25	MHRD, RSM

DEPARTMENT OF MATHEMATICS:

A. Intradisciplinary Projects

ii) Ongoing

S. No.	Name(s) and Designation	Title of the project	Fund Rs. lakhs	Agency
1	Dr.D.Srinivasacharya	Free and Forced Convection effects on perfectly conduction micropolar fluid	10.0	CSIR
2	D.Bhargavi	Laminar Forced convection in Thermally Developing Region of Parallel Plate Channels Patrially filled with Porous Meterial; Constant Heat Flux	1.83	NITW (MHRD)
3	J.Pranitha	Heat Transfers for a flow in a Non- Newtonian fluid by a Circular Plate	1.92	NITW (MHRD)
4	A.Benerji Babu	Nonlinear Convection in Porous Medium	2.00	NITW (MHRD)
5	P.Muthu	Computer Simulation of flow in Curved tube: Applicaion to blood flow in Aorta	2.10	NITW (MHRD)
6	Dr. H.P. Rani	CFD Analysis of Flow Accelerated Corrosion (FAC) Problems in Pipes and Pipe Bends	Rs. 30.50	BRNS

DEPARTMENT OF PHYSICS

A. Intradisciplinary Projects

ii) Ongoing

S. No.	Name(s) and Designation	Title of the project	Fund Rs. lakhs	Agency
1	Dr. P. Abdul Azeem	Synthesis and Characterization of Phosphate and silicate based Bio active glasses and their ceramics for medical application	7.66	DST-SERB
2	Prof.M. Sai Shankar, Prof. R.L.N.Sai Prasad	Development of FBG sensors for Fusion Technology relevant Applications	28.86	BRFST,IPR, Gandhinagar
3	Prof. K. Sreemanarayana	High temperature Measurement using fiber bragg granting sensor	31.21	DIT
4	Sourabha Roy	Designing Multi Functional Fiber – Optic Inter Ferometric Sensor	3.25	MHRD, RSM
5	P. Syam Prasad	Rare-Earth Doped Glasses for Non-Linear Photonic Application	2.80	MHRD, RSM
6	T. Venkatappa Rao	A Study on Preparation and Characterization of DMS Nano Particles for Spintronic Device Applications	2.80	MHRD, RSM
7	B. Sobha	Crack Tip Opening Displacement in Concrete using an optical Fiber Technique	2.80	MHRD, RSM

DEPARTMENT OF CHEMISTRY

B. Interdisciplinary Projects

ii) Ongoing

S. No.	Name(s) and Designation	Title of the project	Fund Rs. lakhs	Agency
1	Prof. IAK Reddy	Synthesis of Hollow Nanosilica Materials and their Applications in Controlled Drug Release	1.30	MHRD
2	Prof. P. Nageshwara Rao	Development and validation of new analytical methods using voltammetric and liquid chromatographic techqunic for assay of new durgs and their Formulations	1.00	MHRD
3	Prof. K. Laxma Reddy	Synthesis, Characterization, biological activity and DNA cleavage studies of metal complexes of formy1 Chromone Schiffbases	1.00	MHRD
4	Prof. K. V. Gobi Dr. BV Appa Rao	Development of Nano-organized Electro- chemical Impedance Immunosensors for Detecting Trace Levels of Explosives and Biowarfare Agents	19.74	DRDO

5	Dr. Srilakshmi Venkata Patri	Development of Pyrazole, Triazole Based Novel cationic lipids for TYargeting Non-viral Gene Delivery to Tumor	31.6	DST
6	Dr. Srilakshmi Venkata Patri	Heterocyclic based cationic lipids as non-viral gene delivery vectors	1.5	MHRD
7	Prof. B. Rajitha	Design, synthesis and biological activities of isonicotinylhydrazine derivatives	2.00	MHRD
8	Dr. Vishnu Shnaker	Fabrication....visible Light	1.75	MHRD
9	D. Kasinath	Design and synthesis of (-)-kaitocephalin derivatives and their pharmacological evaluation as ionotropic glutamate receptor antagonists	23.00	DST
10	Dr. D. Kasinath	Design and synthesis of Kaitocephalin derivatives	3.40	NITW (MHRD)
11	Dr. Venkatatri Narayana	Development of a New Process for the Synthesis of Efficient and Eco-friendly Nanocrystalline SAPO-35 Catalyst for Methanol to Olefin Reaction	2.20	MHRD
12	Dr. B. Vijaya Kumar	Synthesis, Characterization, Luminescence and Photocatalytic activity of $Y_2Ti_2O_7$: Ln^{3+} (Ln=Pr, Sm, Eu, Gd and Tb)	3.50	MHRD

DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES

A. Intradisciplinary Projects

ii) Applied

Name of the Project	Name of the Coordinator(s)	Sanction Letter and Date	Amount sanctioned (Rs. In lakhs)	Funding Agency
"Improving Basic Vocabulary of Low-achievers through Meaningful Input: A Reading Approach."	Rajakumar Guduru	Nil	1.4 Lakhs	UGC

SCHOOL OF MANAGEMENT

ii) Ongoing

S. No.	Name(s) and Designation	Title of the project	Fund Rs. lakhs	Agency
1	Dr. Rithanjali Majhi	A Study on Research and Consultancy Activity of NIT System of India	16.02	DST
2	Dr.S.L.Tulasi Devi	Empowerment of rural womenthrough entrepreneurship: A Study in Andhra Pradesh	1.50	RSM Grants

BIOTECHNOLOGY

A. Intradisciplinary Projects

ii) Ongoing

S. No.	Name(s) and Designation	Title of the project	Fund Rs. lakhs	Agency
1	K.Narasimhulu	Ilsolation, Screening and Characterization of suitable themophilic fungas species for the production of β-glucosidase.	3.00	MHRD, RSM
2	R.Satish Babu	Bioremediation studies of automobile effluent water	3.00	MHRD, RSM
3	P. Sreenivasa Rao	Establishment of Engineering Yeast Platform for Isopreniod Production	3.30	MHRD, RSM

Note : Many faculty members have been provided financial support through Research Seed Money (RSM) from the Institute.

5.4 Sponsored Research and Industrial Consultancy (SRIC)

During the period ***01-04-2012 to 31.03.2013 an amount of Rs. 80,55,392=00*** has been collected from various organizations towards consultancy / testing charges and the works are completed.

DETAILS OF CONSULTANCY ACTIVITIES

1. DEPARTMENT OF CIVIL ENGINEERING

(a) Geotechnical Division:

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

The organizations involved were:

- EE I&CADD, LMD Colony, Karimnagar.
- I/c, EE, I.S.RMC, D-II, Jngareddy Gudam.
- R& B DIVISION Warangal, Karimnagar, Khammam,
- Irrigation & CADD- Warangal, Asifabad, and Adilabad, Khammam.
- Tribal Welfare Dept, Warangal, Khammam,
- S.C.Co, Ltd, Ramagundam, Bellampally, Bhupalapally. And Konthagudam, Mancherial.
- AGM, BHEL, STPP, Adilabad.
- K.T. Power Project, Warangal. And some other organizations.

The total earning by this Laboratory during the above period is Rs: ***6,22,410=00***

(b) Structures Division:

The following major consultancy works were undertaken.

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

- EE I&CADD, LMD Colony, Karimnagar.
- MEIL-SEW-MATAS- BHEL, HYD.
- GM, SCCo, Ltd., STPP, Jaipur.
- S.C.Co, Ltd, Ramagundam, Bellampally, Bhupalapally. And Konthagudam, Mancherial.
- TUV SUD, South Asia, Secunderabad.
- Govt Polytechnic Warangal.
- E.E. I& CADD, Gauging div., LMD. Colony, Karimnagar.
- K.T. Power Project, Warangal. And some other organizations.
- M/s. SEW Infrastructure Ltd., Hyderabad. And some other organizations

The total earning by this Laboratory during the above period is Rs: ***51,92,694=00***

(c) Transportation Engineering Division:

The following major consultancy works were undertaken. Physical Properties, Impact Abrasion and Water Absorption B.T. Samples, field investigation and data compilation, testing of aggregate for Roads and Buildings are conducted. Road roughness tests and bitumen aggregate tests etc are taken up.

The Organisations involved were:

- R & B Division – Warangal,
- S.C.Co, Ltd., Ramagundam, Kothagudam, Bhupalapally.

The total earning by the Laboratory during the above period is Rs: ***48,651=00***

(d) Environmental Engineering Division

The following major consultancy works were undertaken. Consultancy Work of Design of Effluent Treatment Plant. Water Testing Planning & director to JKC Academic Advising

- South Central Railway Kazipet.
- Classic Tanners Warangal.
- Institute for Electronic Governance Hyderabad. And some other organizations.

The total earning by this Laboratory during the above period is Rs. ***2,60,000=00***

2. 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.

- CE, I&CADD, Ongole.
- 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: ***15,95,512=00***

3. DEPARTMENT OF CHEMICAL ENGINEERING:

The following major consultancy works were undertaken. Consultancy Works for Reviewing and Product and Process Development of various FELIX Industries, Ahemdabad.

The organizations involved were:

- ELIX Industries, Ahemdabad.
- TREC-STEP, Tiruchirappalli.

The total earning by the Laboratory during the above period is Rs: ***3,15,900=00***

4. DEPARTMENT OF MECHANICAL ENGINEERING:

The following major consultancy works were undertaken. Consultancy Works for Reviewing and Electro-Mechanical Work.

- TUV SUD, South Asia, S.D. Road, Secunderabad.

The total earning by the Laboratory during the above period is Rs: ***20,225=00***

6.0 ADMINISTRATIVE AND STATUTAORY BODIES AND OTHER COMMITTEES

6.1 The Board of Governors

CHAIRMAN

Padmasree Prof. B.L. Deekshatulu (upto 25.10.2012)
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)

Dr. Krishna M. Ella (from 26.10.2012)
Chairman & Managing Director
Bharath Bio-Tech. International Ltd.
Jubilee hills, Hyderabad

MEMBERS

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

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

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

Prof. K.S.R. Krishna Prasad
Dept. of ECE,
NIT, Warangal

Sri K.Ravi Kishore
Associate Professor,
Dept. of ECE
NIT, Warangal.

SECRETARY

Prof. P.Anand Raj (up to 03-08-2012)
Registrar I/c., NIT Warangal

Prof. A. Ramachandra Reddy (from 04-08-2012)
Registrar I/c., 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)

Dr. Krishna M. Ella (from 26.10.2012)
Chairman & Managing Director
Bharath Bio-Tech. International Ltd.
Jubilee hills, Hyderabad

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.

Prof. K.S.R.Krishna Prasad
Dept. of ECE,
NIT, Warangal

MEMBER SECRETARY

Prof. P.Anand Raj (up to 03-08-2012)
Registrar I/c., NIT Warangal

Prof. A. Ramachandra Reddy (from 04-08-2012)
Registrar I/c., NIT Warangal

6.3 Building and Works Committee

CHAIRMAN

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

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

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

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

MEMBER SECRETARY

Prof. P.Anand Raj (up to 03-08-2012)
Registrar I/c., NIT Warangal

Prof. A. Ramachandra Reddy (from 04-08-2012)
Registrar I/c., NIT 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
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
P. Suryaprakasa Rao
G.V.S.Nageswara 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***



संस्थान का ऑडिटोरियम
Institute Auditorium



प्रशासन भवन के सामने उद्यान मैदान
Landscape in Front of Admin Building

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. R.L.N. Sai Prasad, Chief Warden - Convener
3. Prof. A. Rama Chandra Reddy, Registrar - Member
4. Prof. G.V.P. Chandramouli, Dean Faculty Affairs - Member
5. Prof. S. Srinivasa Rao, Dean Student Affairs - Member
6. Dr. E.Venkata Rathnam, Dy.Chief Warden, Warden III-Mess - Member
7. Dr. D. Dinakar, Dy.Chief Warden, Incharge, Halls of Residence - Member
8. Dr. D. Vakula, Warden, Priyadarshini Mess & New ladies Hostel - Member
9. Prof. Incharge Project Engineer's Office. - Member
10. Dr. K. Thirupathi Reddy, Medical Officer - Member
11. Mr. J. Ravi Kiran, Student Council President - 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 Supervisor	...	Member & Secretary
3. Co-supervisor (if any)	...	Member
4. Two faculty members of the Department	...	Members
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.

g) Stores Purchase Committee

1. Dean (Research & Consultancy)	...	Chairman
3. Board Members (Internal) - Two	...	Members
4. Registrar	...	Member
5. Head of the concerned Department	...	Member
6. Principal Investigator, in case of Projects	...	Member
7. Stores Officer	...	Convenor

h) Disciplinary Committee

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

SC / ST CELL

Dr. A. Veeresh Babu (upto 30th June 2012)	***Coordinator***
Dr. Srinu Naik (from 1st July 2012)	***Coordinator***

MINORITIES CELL

Dr. Abdul Azeem	***Coordinator***

WOMENS' CELL

Dr. K. Padma	***Coordinator***
Dr. M. Sailaja Kumari	Member
Ms.D. Sandya Rani	Member

GRIEVANCES COMMITTEE

Prof. G.V.P. Chandramouli	***Chairman***

LIBRARY ADVISORY COMMITTEE

Prof. A. Ramachandraiah (upto 30th June 2012)	***Chairman***
Prof. P. Nageshwara Rao (from 1st July 2012)	***Chairman***

Dr. V. Ramana Murthy	Assoc. Prof.	Member
Prof. M. Sydulu	Professor	Member
Dr. Y. Ravi Kumar	Asst. Prof.	Member
Sri. K. Ravi Kishore	Assoc. Prof.	Member
Sri. S. Srinath	Assoc. Prof.	Member
Dr. C. Vanitha	Asst. Prof.	Member
Prof. D.V.L.N. Somayajulu	Professor	Member
Sri. R. Satish Babu	Asst. Prof.	Member
Dr. A. Benarji Babu	Asst. Prof.	Member
Dr. K. Venugopal Reddy	Assoc. Prof.	Member
Dr.Venkatathri Narayanan	Asst. Prof.	Member
Dr. Rajavishnathan	Asst. Prof.	Member
Dr. K. Padma	Assoc. Prof.	Member
Sri. R. Sammi Reddy	Librarian	Convenor

OBC CELL

Prof. A. Neelakanteshwara Rao (upto 13th Aug 2012)	***Coordinator***
Dr. D. Dinkar (from 14th Aug 2012)	***Coordinator***

DISPENSARY COMMITTEE

Prof. G.V.P. Chandramouli (upto 19th July 2012)	***Chairman***
Prof. S.V.S. Ramana Reddy (from 20th July 2012)	***Coordinator***

ACCOMMODATION COMMITTEE

Prof. G.V.P. Chandramouli	***Chairman***
Registrar	***Member***
Faculty Incharge PE Unit	***Member***
Dy. Registrar (Admin)	***Member***

GAMES COMMITTEE

Prof. J. Ramachandra Rao Till 30th June 2013	***Chairman***
Prof. R.C. Shastry From 1st July 2013	***Chairman***

ALUMNI AFFIRS COMMITTEE

Prof. N. Subrahmanyam	***Professor In Charge***

LEGAL CELL

Prof. G.R.K. Acharya	***Professor In Charge***

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	2010-2011	2011-2012	2012-2013
I. Opening Balance:			
a) Cash in hand			
--- Main Cash Book	302868	569553	153480
--- Petty Cash Book	151054	199699	192721
--- Imprest with Departments	135950	205889	232889
--- Fee Account	1867892	0	0
b) Bank Balances			
--- In Current Accounts	151327644	99331072	28938603
--- In Deposit Accounts	--	--	--
--- Savings Account	448456	2784644	4817034
II. Grants Received:			
a) From Govt. of India			
--- Towards Capital Fund			
--- Towards Revenue Exp.			
b) Grants received by TEQIP	951211503	447161825	901523291
c) Staff Subscription towards PF			
d) Institute Contribution towards PF			
e) Endowment fund received			
III. INCOME ON INVESTMENTS FROM:			
Earmarked/Endowment Funds	298168	241468	261642
Own Funds(other Inv) TEQIP	--	--	--
IV. Interest Received:			
a)On Bank Deposits	15251787	37824554	37921669
b) Loans, Advances etc.	--	--	--
V. Other Income(Specify):			
--- Rents from Hostels	18161115	20449076	11278101
--- Licence Fee Staff Quarters	697471	797657	22136506
--- Rents from Guest House	368138	443200	251700
--- Revenue Receipts from UGC	114030665	159163131	296213340
--- Revenue Receipts from MCA	---	---	---
--- Revenue Receipts from PGC	41339686	47228145	24044004
--- Other Income (TEQIP)	---	---	44500
VI. Amount Borrowed:	---	---	---
VII. Other Income TEQIP:	---	---	---
VII. Any Other Receipts:			
--- Under Funded Accounts			
--- Other Deposit Accounts			
--- Investments Accounts	943197360	2268454435	2160895033
--- Advances Accounts			
--- Other Items(St.Liabilities)			
--- Purchases Accounts			
	2238789757	***3084854348***	***3488904513***

(Amount in Rupees)

PAYMENTS	2010-2011	2011-2012	2012-2013
I. Expenses:			
a) Establishment Expenses	348130230	447186371	500257673
b) Administrative Expenses	168257562	203600953	256161625
II. PAYMENTS MADE AGAINST Funds for various Projects:			
--- Towards various funded accounts	119291287	185240281	254230485
III. Investments land deposits made:			
a) Out of Earmarked/Endowment Fund	150000	25000	0
b) Out of Own Funds	1225675875	2008264827	1802097848
c) Interest accrued on Investments	10498582	--	--
IV. Expenditure on Fixed Assets & CWIP:	169801087	45447606	90448047
V. Refund of Surplus Money Loans:	--	--	--
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)	93894277	160754583	372223402
VIII. CLOSING BALANCES:			
a) Cash in hand			
--- Main Cash Book	569553	153480	588918
--- Fee Account (Cash)	--	--	--
--- Petty Cash Book	199699	192721	230
--- Imprest with Departments	205889	232889	262889
b) Bank Balances			
--- In Current Accounts	99331072	28938603	208198540
--- In Deposit Accounts	--	--	--
--- Savings Account	2784644	4817034	4434856
--- Cheques on hand	--	--	--
	2238789757	***3084854348***	***3488904513***

ARCP dy
4/11/13
Registrar
National Institute of Technology
Warangal

निदेशक
राष्ट्रीय प्रौद्योगिकी संस्थान, वरंगल
Director
National Institute of Technology, Warangal

9.0 CENTRAL FACILITIES AND SERVICES

9.1 Computer Centre

1. INFRASTRUCTURE

A. LABORATORIES

S.No	Name of the Laboratory	Kind of Hardware	No.of systems	Beneficiary Class
1.	HCL Infosystems Ltd. Graphics Lab	Pentium® 4 CPU @ 3.06 GHz, HD 160GB	50	B.Tech. Ist.Yr
2.	CAD-II Lab	1. Dell Inc. Dell Precision 490 Intel® Xeon® CPU 5130 @2.00GHz, HD 160 GB	20	MCA Ist. Yr.
		2. Dell Inc. Dell Precision 390 Pentium® 4 CPU @ 3.06 GHz, HD 160GB	25 Total 45	
3.	Programming Laboratory	Intel® Pentium ® 4 CPU @ 3.00 GHz HD 80 GB Intel® Pentium ® 4 CPU @ 3.00	50	B.Tech.Ist Yr
4.	Language Laboratory	Domain Servers- 3	40	B.Tech.Ist Yr
5.	Computing Laboratory 1)Dell Inc. Dell Optiplex 760 IntelR Core™ Duo CPU @3.00GHz, 300GB HDD	Dell Inc.Power Edge 2900 Intel® Xeon® CPU X5460 @ 3.16GHz HDD 1.8TB	40	B.Tech.IIIrd Yr. &M.Tech.4/4
6.	CAD-I Laboratory	HCL Infosystems Ltd. PentiumR 4 CPU @ 3.06 GHz, HD 160GB	65	B.Tech.IIIrd Yr M.Sc.2nd Yr.

HARDWARE CONSOLIDATED

S.No.		Processor	Number of Systems	OS Loaded	RAM	Beneficiary Class
1	Graphics Lab	Pentium 4 @3.06 GHz	50	Windows Xp	1 GB	B.Tech.Ist.Yr
2.	CAD-II Lab	Intel®Xeon®@20.00GHz Intel®Pentium 4 @3.00GHz	45	Windows Xp	1 GB	B.Tech.Ist.Yr
3.	Programming Lab	Intel® Pentium ® 4 CPU @ 3.00 GHz	50	Windows Xp/Ubuntu	512 MB	B.Tech.Ist.Yr
4.	Language Lab	Intel® Pentium ® 4 CPU @ 3.00 GHz	40	Windows Xp	512 MB	B.Tech.Ist.Yr
5.	Computing Lab	Optiplex 760 IntelR Core™ Duo CPU @3.00GHz	40	Windows Xp	4 GB	B.Tech. IIIrd Yr&M.Tech4/4
6.	CAD-I	PentiumR 4 CPU @ 3.06 GHz, HD	65	Windows Xp	1 GB	B.Tech. IIIrd Yr&M.Sc.2nsYr

B. Software Consolidated(Costing Less than Rs.25000 per user)

S.No	Name of s/w Loaded (Other than OS	OS Platform	Number Systems	Main Application	Anti Virus Loaded
1	Mcafee	Windows Xp	288	AntiVirus	Yes

D. SPECIAL SOFTWARE(Costing more than Rs. 25000 per user)

S.No	Name of Special s/w Loaded (Other than OS	OS Platform	Number Systems	Main Application	Anti Virus Loaded
1	Auto Cad Desin Engineering	Windows Xp	50	Auto Cad Designing Engg. Graphics	Yes
2.	Ansys Software (Ver. 10.0)	Windows Xp	50		Yes

E. SUPPOTING AND PERIFERAL HARDWARE

S.No	Peripheral Type (Printer,Multimedia, Web-cam, etc)	Number	Sytems Connected to Peripheral	Remarks
1	Canon Printer 2420 L	1	2	

F. NETWORKING AND INTERNET

S.No	Network Group	Number of Networked	Whether Internet Connected	Remarks
1	Domain	288	Yes	

3. UTILITY CONSOLIDATION

S.No	Name of the Class	Turns Per Week	Lab Engaged	Teacher-in-Charge(Class)	Anti Virus Loaded
1					

9.2 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 1,69,455 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. 7.47 crores.

ADDITIONS TO THE LIBRARY DURING THE YEAR 2012-13:

During the year 6,534 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 01.07.2012 to 30.06.2013	Rs. 40,81,428=00
Expenditure on Journals from 01.07.2012 to 30.06.2013	Rs. 10,81,661=00
Online E-Journals for the year 2013	Rs. 65,16,879=00
Book Bank for Needy Students total investment upto 30.06.2013	Rs. 7,22,148=00
Book Bank for SC/ST student's total investment up to 30.06.13	Rs. 22,10,121=00
Book Bank for BCWD students up to 30.06.13	Rs. 3,15,273=00
Book Bank for SC students up to 30.06.2013	Rs. 2,81,499=00
Book Bank for ST students upto 30.06.2013	Rs. 3,35,641=00
Expenditure of IT infrastructure, furniture and equipment,	Rs. 1,99,355=00
Others, etc	Rs. 97,826=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 215 Journals, out of which 125 are Indian, 90 are 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. 5,930 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 1,75,500 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 computerized. OPAC (Online Public Access Catalogue) facility has been created for the users to search the bibliographic data of the Library holdings. The faculty members can access OPAC from their respective departments through the CAMPUS LAN.

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

- IEEE / IEE Electronic Library
- ASME Transactions
- ASCE Transactions
- Applied Science and Technology Plus (ASTP)-Back files available from the year 2000-2008
- ACM Digital Library
- Springer Verlag Link
- Nature
- Gate
- Indian Standards 18,000 in e-form availed upto 2009

In addition to the above, the following Online E-Journals subscribed from the Institute funds:

- Elsevier Science Direct Online E-Journals (5 Subject Collection) 621 nos
- Taylor & Francis (Five subjects) 322 nos

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 Software were also procured and loaded in the servers. The creation of archive data is in progress. The users can access in the Virtual Library through off-line.

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

SERVICES:

- Lending of Books
- Reference Service
- OPAC (Online Public Access Catalogue)
- Photocopying
- Bibliography Compilation
- Inter Library Loan
- Circulation of Library Bulletin (New Additions)

BEST PRACTICES :

- Information Brochure (Circulating to the freshers every year to guide about the library)
- Conducting user orientation programme for freshers
- Information disply and notification
- Publication and Research Support services (Elsevier Science Direct article alerts sending to the faculty through e-mail)
- A feedback from stakeholders through scientifically designed and analyzed questionnaire once in two years. (95 per cent of the users are expressed satisfactory)
- Suggestions Box and timely response

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.

LIBRARY STAFF:

1)	Sri. R. Sammi Reddy	Librarian
2)	Sri. K. Jaya Prasad	Asst. Librarian
3)	Sri. B. Sudarshanam	Jr. Library Asst.
4)	Sri. M. Srinivasa Reddy	Sr. Asst.
5)	Smt. K. Devendra	Store Asst.
6)	Sri. A. Sambaiah	Store Asst.
7)	Sri. A. Bixapathi	Store Asst.
8)	Smt. Sajeeda Khatoon	Tech. Helper
9)	Smt. B. Jayasree	Tech. Helper
10)	Sri. J. Narsaiah	Skilled Work Asst.
11)	Sri. Md. Zaheeruddin	Skilled Work Asst.

9.3 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.)
D.C. Servo Robot – 5 axes (CRS Canada)
EDM Equipment
Dynamic – Vertical Milling Machine
Smoker Meter
Pyranometer
Sunshine Recorder
Solar Mini Lab
Pi-Meter
Digital Micro Manometer (Furnace Controls Ltd., U.K.)
Kistler Pressure Transducers
Piezoelectric Accelerometers
Pulse Oximeter
Dynamometers for Forces & Torques Measurement
Omnigraphic series xy/ t recorder
FFT Analyzer
Gec-fanuc programmable logic controller
Eurobtec modular educational system
IDEAS (CAD/CAM Package)
MASH Module (FMS Simulator)
Single Cylinder Diesel Engine Test Rig
Mechatronics Training System,
PLC Trainer Kits
Modular Servo System
Power Tools
150 Amp. Inverter based MMA welding equipment
Electro Chemical Machining Unit
Multipoint fuel injuction 4 cylinder petrol engine
4 Component quartz Dyanmo meter
Automatic Studio
Vibration Simulation Test Rig
Single Cylinder Petrol Engine Test Rig
Magnetic Crack Detector Unit

CNC Lathe (Stanturn, U.K.)
Hydraulic Robot (Arun, Feedback, U.K.)
CNC Drill Cum Mill Trainer(Feedback, U.K.)
Exhaust Gas Analyzers (HC, CO, NO-NO_x)
Refrigeration Test Rig
Spectrophotometer
Flue Gas Analyzer
Eddy Current Dynamometer
Project Manometer
Variable Compression Ration Lister Engine
Vibration Exciter and Measurement
Pneumatic and Hydraulic Trainers
Electro Discharge Machining
Stefan Boltzman – Heat transfer equipment
Standard Tread Mill
Smoke Density tester
Data Logger
Transducer Kit
Awesim (SLAM – II) package, Auto Mod. Pro model Package
Refrigeration Test Rig
Z Servers (Windows NT) with 12 nodes
CNC Lathe & Training System
Five axis servo controlled Robot
Mechanism Training Module
Dimension SST 3-D Printer (Rapid Prototype)
Magnetic Crack detector
Pyrhellometer with 2 axis Tracker
Portable vibration analyzer and balancing
Thermal Engineering
Energetics
Air conditioning Test Rig
Steam Turbine Test Rig
150 Amps Inverter MMA welding equipment

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

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 Process Engineering	Testing of fuels, water, intermediates and products 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



पोस्टग्रेजुएट रसायन शास्त्र प्रयोगशाला

Post Graduate Chemistry Laboratory



प्रोग्रामिंग प्रयोगशाला

Programming Laboratory

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
Pin-On-Disc Wear Testing Monitor	Creep Testing
Thermogravimetric Analyzer (CHAN-131) GAS Chromatograph (AIMIL-NUKON)	Plus TIG Unit
Leitz Metallurgical Microscope	SHIMADZU Computer Controlled Universal Testing Machine (250 kN)
Digital Microbalance with 0.1 mg and 0.01 mg.	Lab Model Ball Mill
Polymeter Extruder	Metallurgical Microscope with Image Analyser
Multifle Furnace upto 1400°C	PID Temperature controller
Vickers Hardnes Tester	Tube Furnace up to 1000°c
Thermocale Sofate	Digital Rockwell Hardness Tester
DICTRA software	TCC + TCW Software package site license
Metallographic Work Station	Foundry Sand Testing Unit
Binocular Upright Metallurgical Microscope	Digital Copier & Multifunction machine
	Pulveriser

- 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
- 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
- Fourler Transform Infrared Absorption Spectrophotometer
- UV-Visible Spectrophotometer
- Research Grade Optical Microscopes
- Ultra Deep Freezer
- Autoclave
- Packed Bed Bioreactor
- Biosafety Cabinet
- Scanning Tunneling Microscope
- Gas Chromatograph
- 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

9.4 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.

9.5 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.

9.6 Games and Sports Facilities (sse 4.7 above)

9.7 Other Facilities like Hostels, Messes (see 4.5 above)

Staff Quarters

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

Administrative Facilities

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)

10.2 Achievements that took place during the current year

CIVIL ENGINEERING DEPARTMENT:

1. ACHIEVEMENTS / AWARDS / INNOVATIONS

S. No.	Name of the Faculty	Nature of the Achievement/ Award / Innovation
1	Venkata Reddy Keesara	Raman Fellowship for carrying out post doctoral research work at Texas A&M University, USA under Indo-US 21st century knowledge initiative have been received from UGC
2	P. Rathish Kumar	Erasmus Mundus, Heritage Scholarship under Faculty Mobility scheme as part of under Indo-Europe MoU

2. EXTENTION / EXPERT / INVITED LECTURES DELIVERED ELSEWHERE

Sl. No.	Name of the Faculty	Lecture Title	Place	Dates
1	Dr. D. Rama Seshu	1) Quality assurance in Concrete Structures 2) Principles of Concrete Mix Design	OU EC, Hyd	18 August 2012
		1) Nano Technology in Civil Engg. 2) NDT Bridges	VNRVJIET, Hyderabad	8 May 2012
2	Dr. S Venkateswara Rao	Recent Advances in Concrete and Construction.	VNRVJIET Hyderabad	6 May 2012
		Water and Sanitation for NE States of India, at the Fifteenth Regional meeting of the North Eastern Region State S&T Councils	DST, Kohima, Nagaland	18-21 November, 2012

3	Dr. K V Jayakumar	Distinguished lecture on the occasion of the World Water Day, 2013 on the theme of Intl. Year of Water Cooperation	Jala Soudha, Hyderabad	22 March, 2013
		"24x7 Water Supply" at the Round Table to evolve an Integrated strategy for augment-ing water resources to support increasing demand of a rapidly expanding metropolis, Bangalore	Govt. of Karnataka, supported by DST, Govt. of India Bangalore	16 March 2013
4	Dr. M.Chandrasekhar	Principles and Design Concepts of Waste Water Treatment Plants	ESCI, Hyderabad	15 March 2013
		Operation and Maintenance in Urban Water Supply	RCUES Hyderabad	18 March 2013
		Need and Significance Basic Fundamentals of Aerobic & Anaerobic Treatment Process & Optimal Design of Effluent Treatment Plant	ESCI, Hyderabad	26 February 2013
		Water Treatment Techniques – Water Quality Monitoring Aspects at Production Level	ESCI, Hyderabad	23 February 2013
5	Dr. M. Shashi	Introduction to Photogrammetry Advanced Mapping Techniques for Planning and Management of Resources,	NIT, Warangal	21 – 25 May 2012
6	Dr. Arun C. O.	Introduction to a Meshfree Method-Element Free Galerkin Method	NIT Rourkela	9 April 2013
7	Dr. K.V.R. Ravi Shankar	GPS applications in Transportation Engineering	MVGR COE, Vizianagaram	07-12 May 2012
		Intricacies of Traffic Flow Simulation using VISSIM/ VISWALK/ VISUM	VNRVJIET, Hyderabad.	20-22 May 2012
8	Dr. Venkaiah Chowdary	Asphalt Binders: Types, Properties, and Grading	G. Pulla Reddy Engg. College, Kurnool,	20 October, 2012
		Typical Pavement Distresses on Clayey Subgrade		
		Pavement Material Characterization	MVR College of Engg. and Technology, Vijayawada.	06-07, July 2012
		Analysis and Design of Flexible Pavements		

3. CONFERENCES / SYMPOSIA SESSIONS CHAIRED

S. No.	Name of the Faculty	Event Title	Place	Dates
1.	Dr. C.B. Kameswara Rao	Intl. workshop on Sustainability & Advances in Concrete Tech., NIT, Calicut	NIT, Calicut	7 – 8 May 2013
2	Dr. Arun C. O.	National Conference on Sustainable Construction Materials and Technologies	NIT Warangal	15 March 2013
3	Dr. D. Ravi Prasad	Sustainable Constructional Materials and Technologies(SCMAT)	NIT Warangal	15 – 16 March 2013

4. INTERNATIONAL VISITS

S. No.	Name of the Faculty	Countries Visited	Organisations Visited	Dates
1	M. Heeralal	Thailand	PSRC	25 – 26 July 2012

5. RESEARCH AND CONSULTANCY EXPERTISE

A. Research Areas Active in

- Concrete Technology, Ductile Concrete, Cement Composites, Ferro cement, New Concrete making materials, Structural Health Monitoring, Preparing the design mixes for Normal concrete and Self Compacting Concrete, Digital Photogrammetry, Steel Structures, Stochastic Mechanics, Application of geospatial technologies, Structural health monitoring, High Performance Mortars/Concrete, Low Cost/Alternate building Materials, Self Compacting Concrete, Ferrocement, Fibrous Concretes, Recycled Aggregate Concrete, Cement Composites, Health Monitoring of Structures, Repair and Rehabilitation of buildings, Ground Improvement Methods, Steel Fiber Reinforced Concrete, Expansive Soils, Granular Piles, Geopolymer Concrete, Soil Structure Interaction, Fragity Analysis of RC Structures, FEA & XFEM, Transportation Engineering & Planning and Traffic Engineering.

B. Consultancy Capabilities in

- Structural Engineering, Structural Design, Structural Assessment, Design of multi storied buildings, Advanced Surveying, GIS and Photogrammetry, Advanced Surveying and Mapping, Application of geospatial technologies, Open source GIS, Photogrammetry and GPS applications, Design of structures, Non Destructive Testing of Structures, Geotechnical Investigation for various projects under Public and Private sector organizations, Structural Designs, Concrete Strength evaluation, Concrete mix designs, Structural Stability, Testing of Soil & Rock samples, Design of foundations, Mix Design, Structural Stability, Mine Supporting towers testing of Singareni Collieries, Routine Mix designs R&B, PR Dept, APSEB, KU,NTPC, I &CAD, Water dams of Singareni Collieries, LANCO Hills Mix design using SCC, Soundness tests of residential buildings, Water Tanks, Schools, telecom buildings of Govt of AP, Completed Vetting of the designs of Kalma and Basantpur Barrages, Kalma-172, Basantpur-202, R&B, APHMEL, PR Dept, L&T, I&CAD, NTPC, APTRANSCO, PHE, Larsen and Toubro etc, Highway Design, Road Network Planning, Traffic & Transportation Studies.

6. MAJOR EQUIPMENT (Costing Rs. 1 lakh and more)

S. No	Name of the Equipment	Model / Brand	Make	Book Value in Rs.	Main Application(s)
1.	Water sampler	Hydro BIOS, Germany	Hydro BIOS, Germany	1,40,000	Field water sample collection
2.	Gravity Sediment Corer	Hydro BIOS, Germany	Hydro BIOS, Germany	1,90,000	Field sediment sample collection
3	Precision Turbidity and Free/Total Chlorine Meter	HI83414	Hanna	1,19,689	To determine turbidity and chlorine content in water & wastewater
4	Research Grade Bench Top ISE Meter	HI4522	Hanna	4,74,715	For measurement of pH/ORP/ ISE & EC/TDS/Resistivity/ Salinity and Temperature of water and wastewater
5	Workstations (Two)	PRECESSION 17600WS,	DELL	7,75,908	Image processing and Photogrammetry work with high resolution satellite imageries, stereo images and
6	GIS software	ArcGIS 10.1 1	ESRI	30,00,000	Practical training to students on Geospatial Mapping
7	Photogrammetry and Image Processing software and accessories (Five Licenses) NVIDIA 3D Vision Kit (Two), 3D Monitors and IR Emitters (Two)	ERDAS Imagine-LPS software	Licea	17,11,500	Digital photogrammetry and its applications.
8	WebGIS software	ArcGIS Enterprise Server Advanced	ESRI	9,00,000	WebGIS and development of Web User Interface
9	Data Acquisition System	cDAQ-9178	National Instruments	5,14,506	Measurements of displacement, force, acceleration, and temperature.

10	Large capacity vacuum pycnometer set	-	-	1,96,875	Used to measure theoretical maximum density and moisture conditioning of asphalt mixtures.
11	Video camera with tripod (3 No.s)	HDR-PJ 260	Sony	1,33,710	For collection of vehicular and pedestrian traffic data.
12	Data Acquisition System		German	8,00,000	To measure displacements, Force
13	Ultrasonic Tester		Indian	3,60,000	Non-Destructive Testing applications
14	NDT Hammer		Indian	1,60,000	Non-Destructive Testing applications
15	Electronic Digital Direct Shear	HEICO	HEICO	2,65,000	Direct Shear Test

7. *MEMBERSHIP In PROFESSIONAL and S&T BODIES*

- Indian Association of Hydrologists (IAH)
- Indian Water Resources Society (IWRS)
- International Association of Hydrological Sciences (IAHS)
- Indian Society of Technical Education (ISTE)
- American Society of Civil Engineers (ASCE)
- Institution of Engineers (IE)
- National Society of Fluid Mechanics & Fluid Power India, NSFMFP (I)
- Indian Society of Remote Sensing (ISRS)
- Indian Society of Geomatics (ISG)
- International Association of Engineers (IAE)
- Association of Asphalt Paving Technologists, USA. (AAPT)
- Indian Geotechnical Society (IGS)
- Indian Roads Congress (IRC)
- Member of Indian Concrete Institute (ICI)
- Indian Society for Rock Mechanics and Tunnelling Technology(ISRMTT)
- Japan Society of Civil Engineers (JSCE)
- Architectural Institute of Japan (AIJ)
- Life Member for Indian Society for Earthquake Technology (ISET)
- Life Member for Indian Society for wind Engineering (ISWE)
- Indian National Trust for Art & Cultural Heritage (INTACH)

8. *MEMBERSHIP In EDITORIAL BOARDS of RESEARCH JOURNALS*

- Reviewer, International Journal of Remote Sensing and GIS
- Reveiwer, Journal of Cultural Heritage, Elsevier Pubs
- Reviewer for Elsevier Journal Construction and Building Materials, ICE Journals of Thomas Telford, Japan Society of Civil Engineering Journals, Taylor and Francis(Journal of Structure and Infrastructure Engineering), Academic Journals(Journal of Civil Engineering and Construction Technology and Scientific Research and Essays), Asian Journal of Civil Engineering
- Serving on Editorial Board of Journal of Facta Universtatis and Journal of Cement Wapno Beton, Open Journal of Civil Engineering, Journal of Industrial Engineering Research, INSInet, Journal of Civil Engineering and Construction Technology and Scientific Research and Essays, International Journal of Renewable and Sustainable Energy

9. ADMINISTRATIVE / CO-CURRICULAR / OTHER ADDITIONAL POSITIONS HELD BY THE FACULTY

Sl. No.	Name	Designation	Additional Duty	Duration	
				From	To
1	Dr. C.B. Kameswara Rao	Professor	Member DPC, Co-ordinator, CTM	June 2012	June 2013
2	Dr. K.V Jayakumar	Professor	Head, Water & Environment Division	January 2012	Till date
3	Dr. N.V Umamahesh	Professor	Dean, Students Affairs/ Dean (P&D)	July 2012	Till Date
4	Dr. P.Anand Raj	Professor	Registrar I/c	October, 2011	September 2012
5	Dr. Deva Pratap	Professor	Shops & Establishments	October, 2010	Till Date
6	Dr. M. Chandra Sekhar	Professor	Professor I/c (T&P)	July 2012	Till date
7	Sri V N Kameswara Rao	Associate Professor	Faculty In-charge, Institute Time Tables	January 2011	Till date
			Faculty In Charge (Examinations)	June 2011	September 2012
			Associate Dean (Examinations)	October 2012	February 2013
8	Sri M. Sudhakar	Associate Professor	Head, Structures Division, CED	August 2011	Till date
9	Dr. E. Venkata Rathnam	Associate Professor	Faculty In-charge, Fluid Mechanics and Water Resources Lab	July 2004	Till date
			Dy. Chief Warden	July 2012	Till Date
10	Dr. P. Hari Krishna	Associate Professor	Faculty advisor, Center for Value Education	June 2011	Till date
11	Dr. P. Rathish Kumar	Associate Professor	Faculty Coordinator, Training and Placement	April 2012	August 2013
			Faculty In-Charge, Project Engineer's Office	August 2013	April 2013
			Associate Dean, Admissions	April 2013	Till Date
12	Sri M. Heera Lal	Associate Professor	Faculty In-charge Project Engineer's Unit	March 2013	Till date
13	Dr. Venkata Reddy Keesara	Assistant Professor	Co-coordinator NSS	July 2011	01/06/2013
14	Dr. Venkaiah Chowdary	Assistant Professor	Consultancy Works Co-ordinator of Transportation Division	February 2008	July 2012
			Faculty In-charge of "Transportation Division Computer Lab"	February 2008	July 2012
			Faculty In-charge of "Transportation Engineering Lab"	July 2012	Till date
15	Dr. S. Venkateswara Rao	Assistant Professor	Acting as a Mess warden for Krishna mess and Sanitary In charge for NITW Hostels.	July 2012	till date
			Faculty coordinator of Training & Placement for Civil Engineering Department	July 2013	till date
			Acted as officer in-charge for Structural Engineering Lab	June 2008	June 2011
16	Dr.P.Hari Prasad Reddy	Assistant Professor	Faculty I/c, Environ-mental Engg. Lab	April 2010	Till Date
17	Dr.D.Ravi Prasad	Asst. Professor	In-Charge for department progress reports	July 2012	Till date
18	Dr.Ajey Patel	Assistant Professor	Faculty In-charge, Quiz Club	July 2012	Till date
19	M. Shashi	Assistant Professor	Faculty In-charge, Surveying Laboratory	July 2012	Till date
20	Dr. K. Gopi Krishna	Assistant Professor	Committee member for establishment of Civil Engg. Software Laboratory	July 2012	25.7.13
			Faculty member Associated with PE Office for assisting in monitoring the ongoing and newly coming up CPWD Civil Works in NITW Campus	November 2012	Till date
21	Dr. Arun C. O.	Assistant Professor	Faculty I/c CED Webpage	July 2012	Till date

10. ANY OTHER SIGNIFICANT INFORMATION

- Prof K.V.Jayakumar is a Core Group Member of the Department of Science & Technology, Government of India for the Support for State Science & Technology Councils and Technology Development and Transfer.
- Prof K.V.Jayakumar has been invited to serve as an Expert member of the Indian National Committee on Groundwater, Ministry of Water Resources, Government of India.
- Prof K V Jayakumar is invited as Honorary member of the Wetlands International
- Mini Center of Excellence is sanctioned to Department of Civil Engineering with name "Center for Advanced Geospatial Solutions" with first phase budget of 40 lakhs.

ELECTRICAL ENGINEERING DEPARTMENT:

1. ACHIEVEMENTS / AWARDS / INNOVATIONS

S.No	Name of the Faculty	Nature of the Achievement/ Award / Innovation
1	Dr. D V S S Siva Sarma	Fellow of Institution of Engineers(India)
		Chairman of Indian EMTP/ATP User Group
		Senior Member of IEEE
2	Dr.V T Somasekhar	One of the IEEE Transactions paper titled A Multilevel Inverter System for an Induction Motor with Open-end Windings was referred in the text book First Course on Power Electronics, authored by Prof. Ned Mohan, Oscar A. Schott Professor, University of Minnesota, USA.
		A few papers were referred in a Hand book titled The Industrial Electronics Handbook: Power Electronics And Motor Drives, edited by Bogdan M. Williamowski, Ex-Editor-in-Chief, IEEE Transactions on Industrial Electronics, J. David Irwin, CRC Press, Taylor & Francis Group.

2. RESEARCH AND CONSULTANCY EXPERTISE

A. Research Areas Active in

- ***Power Systems***
  - Power system stability
  - HVDC and FACTS Controllers
  - Distribution system automation
  - Real Time Control
  - Soft computing techniques
  - Deregulation
  - Protection
  - Power Quality
  - Fault Diagnosis
  - High Voltage Engineering
- ***Power Electronics & Drives***
  - Switch Mode Power Supplies
  - Modular Power Supplies and Reliability Studies
  - Power Electronic Drives
  - DSP Controlled Drives
  - Wind/Wave Energy Systems
  - Transient Effects in Drives
  - SVM Schemes for Multilevel Inverters
  - Renewable Energy Sources

B. *Consultancy Capabilities in*

- Verification and Vetting of Design Drawings of Electromechanical Components in Various Lift Irrigation Schemes – *Rs. 140 lakhs during last 5 years (Government of Andhra Pradesh)*
- Technical evaluation of bids for solar power based systems for WMC

3. MAJOR EQUIPMENT (Costing Rs. 1 lakh and more)

S. No.	Name of the Equipment	Model / Brand	Make	Book Value	Main Application(s)
1	Desktop computers	Elite 8300	HP	6.5 lakhs	Simulation studies
2	51/2 digit Table top DMMs		AGILENT	8.5 lakhs	Precision measurements
3	1500 W High power programmable DC Power supplies		QUANTEL	3.0 lakhs	Testing of high power power electronic devices
4	Multi-channel Digital storage oscilloscopes		Tektronix	3.5 lakhs	Testing of high speed responses
5	3 –phase Induction motors		PHYSITECH	3.0 lakhs	
6	Solar PV research cum training simulator		ECOSENSE	2.0 lakhs	To study and characterize performance of solar power systems in simulated conditions
7	dSpace system with MATLAB		dSpace	6.0 lakhs	For testing and simulation of power electronic drive systems and convereters
8	Portable analog metrs			2.0 lakhs	For measurements in labs
9	Current probes	Tektronix		6.0 lakhs	For high current measurements on DSOs
10	Function generators	Tektronix		3.5 lakhs	
11	DigSilent software		KLG Systel	1.2 lakhs	

4. *MEMBERSHIP in PROFESSIONAL and S&T BODIES*

1	Dr. M Sydulu	• Member IEEE • Member ISTE
2	Dr. D M Vinod Kumar	-
3	Dr. D V S S Siva Sarma	• Member IEEE • Member ISTE • Fellow-IE(I)
4	Dr. N Surahmanyam	• Member IEEE • Member ISTE • Fellow-IE(I)
5	Dr. Bhagwan K Murthy	Member IEEE
6	Dr.V T Somasekhar	• Life Member Indian Society for Technical Education • Member, Institute of Electrical & Electronics Engineering
7	Dr. N Vishwanathan	
8	Dr. N V Srikanth	• Life member in ISTE • Member of IEEE • Member in the Institution of Engineers, India.
9	Dr. S Srinivasa Rao	
10	Sri. CH. Venkaiah	• Member, The Institution of Engineers (India), Kolkata • Life Member, Indian Science Congress Association(ISCA), Kolkata • Life Member, Indian Society for Technology Education(ISTE), New Delhi • Life Member, Systems Society of India, Thiruvananthapuram, India • Senior Member, Institute of Electrical & Electronics Engineers (IEEE), New Jersey, USA and subscribed to PES, CIS & TMC of IEEE • Member, Automatic Control and Dynamic Optimization Society (ACDOS), Bangalore, INDIA

11	Dr. M Sailaja Kumari	Member of IEEE
12	Sri. B Nagu	Member of IEEE
13	Smt. Porapandiselvi	-
14	Sri. P Srinivasan	IEEE Student Member
15	Sri. Y Chandrashekar	Member of IEEE
16	Sri. CH Ramulu	• Life Member, Indian Society for Technical Education
17	Dr. P Suresh Babu	• Member in IEEE • Member in Institution of Engineers India • Member in International Association of Engineers • Member in International Association of Computer Science and Information Technology
18	Dr. Sachin Jain	-
19	Dr. A V V Giridhar	IEEE Member
20	Dr. B L Narasimha Raju	• IEEE Student Member • Life Member, Indian Society for Technical EducationLife Member, System Society of India
21	Dr. A Kirubakaran	• Member IEEE • Member ISTE • Member in SSI
22	Dr. M Udaya Bhasker	IEEE member

5. MEMBERSHIP in EDITORIAL BOARDS of RESEARCH JOURNALS

1	Dr.V T Somasekhar	• Member, Editorial Board, Inderscience International Journal of Power Electronics
2	Dr. M Sailaja Kumari	• Reviewer for IEEE Transactions on Evolutionary Computation
3	Sri. P Srinivasan	• Reviewer of IET journal
4	Dr. P Suresh Babu	• International Journal of Electronic Networks, Devices and Fields • International Journal of Innovative Technology and Exploring Engineering(TM) • International Journal of Recent Technology and Engineering(TM) • World Academy of Science, Engineering and Technology
5	Dr. B L Narasimha Raju	Technical paper reviewer of • IEEE Trans. and

6. *ADMINISTRATIVE / CO-CURRICULAR / OTHER ADDITIONAL POSITIONS HELD BY THE FACULTY*

S. No.	Name	Designation	Additional Duty	Duration	
				From	To
1	Dr D V S S Siva Sarma	Professor	Chair, PES/IAS/PELS Joint Chapter of IEEE Hyd Section	2012	May 2013
2	Dr N Subrahmanyam	Professor	Faculty In-charge- Alumni affairs	2010	2013
		Professor	In-charge- Dept. purchases	1993	2013
3	Dr. B. K. Murthy	Professor	Dept. TEQIP incharge		----
4	Dr. N. V. Srikanth	Associate Professor	Section Head, EED, NITW	2011	continuing
5	Ch Venkaiah	Associate Professor	Faculty Advisor Innovation & Entrepreneurship Club	01.04.2012	31.03.2013
6	Dr. A. Kirubakaran	Assistant Professor	Faculty Advisor, EEA	July 2012 onwards	—
		Assistant Professor	Circuits and Control Systems Laboratory (Faculty I/C)	October 2012 onwards	—
7	Dr. A.V.Giridhar	Assistant Professor	Member , DAC-PG&R, EED	June 2012 onwards	---

		Assistant Professor	Faculty Coordinator T & P Section for EED	July-2012 onwards	---
		Assistant Professor	Microprocessors Lab (Faculty I/C)	Oct-2012 onwards	---
		Assistant Professor	Faculty Coordinator T & P Section	17/12/2012 onwards	---
8	**Narasimharaju B L**	Assistant Professor	Treasurer , Electrical Engineering Association	June 2012	Till date
		Assistant Professor	Member , DAC-UG, EED	June 2012	Till date
		Assistant Professor	Faculty In-charge , Control System Laboratory	2012	Till Date
		Assistant Professor	Faculty Advisor , Registrations - II BTECH EEE	July 2013	Till date
		Assistant Professor	Evaluation Coordinator , II BTECH EEE	July 2013	Till date
		Assistant Professor	Faculty In-charge for Basic Electrical Engineering Lab (B Tech. MME), EED	July 2013	Till Date
9	**Ch Ramulu**	Member	DAC-UG, EED	June 2012	Till date
		Faculty In-charge	Electrical Machines Laboratory	July 2013	Till Date
10	**Dr Udaya Bhasker Manthati**	Assistant Professor	Heritage-subcommittee member	04-03-2013	Till date
		Assistant Professor	Time table I/C	2012-13	Till date

MECHANICAL ENGINEERING DEPARTMENT:

1. PATENTS REGISTERED / WON

S. No.	Name of the Faculty	Patent's Registration No.	Status (Pending / Won)
1	Dr.Ravi Kumar Puli	4423/CHE/2012 4424/CHE/2012 4425/CHE/2012 4426/CHE/2012	

2. ACHIEVEMENTS / AWARDS / INNOVATIONS

S. No.	Name of the Faculty	Nature of the Achievement/ Award / Innovation
1	Dr.N.Venkaiah	Young Scientist Project Award from Department of Science and Technology, New Delhi, India.
2	Prof.A.Venugopal	1. Certificate of appreciation from CMTI Banglore for the industrial relevance of one of my Ph.D. work publications 2. Best paper award,International Conference on Mechanical and Industrial Engineering,ICMIE-2012,gauhati. 3 .First rank in B.Tech in a class of 60 students,KL College of University
3	Dr. A.Kumar	1. Session chairmen in International conference, ICAMAME-2012, WASET-Spain

3. EXTENTION / EXPERT / INVITED LECTURES DELIVERED ELSEWHERE

S. No.	Name of the Faculty	Lecture Title	Place	Dates
1	Dr.N.Venkaiah	On "Form Metrology"	Mekapati Rajamohan Reddy Institute of Technology and Science (MeRITS), Nellore	2012
2	Prof. A.Venugopal	Advances in Cutting Tool Materials	CR Reddy College of Engineering, Eluru	Dec 2012
3	Prof. A.Venugopal	Recent Advances in Machining – A New Perspective	DRDO, Jagadalpur	Oct 2012
4	Dr.Y.Ravikumar	Research Issues of Rapid Prototyping" in TEQIP sponsored Short course on Reverse Engineering Based Manufacturing	Osmania University, Hyderabad	July 27, 2013
5	Dr.Y.Ravikumar	Rapid Prototyping to Additive Manufacturing	Bapatla Engineering College, Bapatla	August 18, 2012
6	Dr.R.Narasimha Rao	**Resource Person**, Five day National work shop on **"Advances in Composites-** A Research Perspective	Department of Mechanical Engineering, GVP College of Engineering (Autonomous), Visakhapatnam, A.P	26-30 June,2012
7	Dr. A.Kumar	Design of Experiments	NIT Warangal	9th July 2103
8	K.Srikanth	Structural Health Monitoring	Siddhartha Engineering College, Vijayawada	July 2012

4. INTERNATIONAL VISITS

S. No.	Name of the Faculty	Countries Visited	Organisations Visited	Dates
1	Dr.Y.Ravi Kumar	USA		June-July,2013
2	Dr.G.Naga Srinivasulu	Canada		1st to 30th June, 2013
3	Dr.R.Narasimha Rao	Paris, France London, England		April 29-30, 2013 April 30-May3 2013
4	Prof. Lanka Krishnanand	New Zealand		Nov 2012

5. MEMBERSHIP in PROFESSIONAL and S&T BODIES

Dr.N.Venkaiah:

1. Member of American Society of Mechanical Engineers (ASME) – 100182618
2. Life Member of Indian Society for Technical Education (MISTE) – LM-81389
3. Life Member of Institution of Engineers (MIE) – M-145127-2

Prof.A.Venugopal:

Life Member of Indian Society for Technical Education – LM 12639

Dr.A.Veeresh Babu:

1. Life Member of Institution of Engineers (MIE) – M/135221/5
2. SAE India member

A.V.Narasimha Rao:

1. Member of American Society of Mechanical Engineers (ASME)
2. Life Member of Indian Society for Technical Education (MISTE)
3. Life Member of Institution of Engineers (FIE)
4. Solar Energy Society of India
5. International Solar Energy Society
6. Combustion Institute
7. International Society for Renewable Energy Education

Dr.Y.Ravi Kumar:
Life Member of Indian Society for Technical Education (MISTE) –LM 43332

Dr.G.Naga Srinivasulu:
Life Member of Indian Society for Technical Education (MISTE) – LM-81389

Dr.K.Madhu Murthy:
1. Life Member of Indian Society for Training and Development (MISTD)-LM-44372
2. Life Member of Indian Society for Technical Education (MISTE) – LM-10718
3. Fellow of Institution of Engineers (FIE) –

Dr.Ravi Kumar Puli:
1. SAE Membership India-7007410280
2. Combustion Institute LME-1079
3. MISTE

Dr.R.Narasimha Rao:
1. ***Member ASME*** (American Society of Mechanical Engineers):No.***100224526***
2. ***Life Member*** for ISTE (The Indian Society for Technical Education): ***LM 47603***
3. ***Life Member*** for MRSI (Materials Research Society of India): ***LM B096***
4. ***Life Member*** for TSI (Tribology Society of India): ***LM 5149***

Rapur Venkatachalam:
(a) Member of Institute of Engineers (India) [No. M-033643/7]
(b) Member of Acoustical Society of India [No. LM-459]
(c) Member of Solar Energy Society of India [No. 0989/LM/2002]
(d) Member of Space Society of Mechanical Engineers
(e) Member of American Society of Mechanical Engineers (ASME) [No. 100 169 359]
(f) Member of Intellectuals Society of Socio-Techno Welfare [No. ILM-74]
(g) Member of the Indian Society of Theoretical and Applied Mechanics [No. 555]

T.Sadasiva Rao:
Life Member of Indian Society for Technical Education (MISTE) – LM-10720

Dr.Velagapudi Vasu:
1. ***Institute of Engineers Life Member (M 1421861)***
2. ***American Society of Mechanical Engineers ASME (100203958)***
3. ***Indian society for Technical Education Life member (LH 43012)***
4. ***Indian society for Heat and Mass Transfer Life member (ISHMT 483)***
5. ***BITS Pilani Alumnus Life member (L 8269)***

V.Rajesh Khana Raju:
Life Member of Institution of Engineers (MIE) – M-145240-6

Dr.V.Suresh Babu:
1. Member of American Society of Mechanical Engineers (ASME) – 100182618
2. Life Member of Indian Society for Technical Education (MISTE) – LM-81389
3. Life Member of Institution of Engineers (MIE) – M-145127-2

Lanka Krishanand:
1. Member of American Society of Mechanical Engineers (ASME) – 100182618
2. Life Member of Indian Society for Technical Education (MISTE) – LM-81389
3. Life Member of Institution of Engineers (MIE) – M-145127-2

Dr.K.V.Sai Srinadh:
LMISTE13398

Dr.Amba Prasad Rao:
1. Life Member-Indian Society for Technical Education, New Delhi
2. Life Member-Institution Engineers (India)
3. Life Member-Combustion Institute-Indian Section
4. Life Member-Solar Energy Society of India

Prof.A.Kumar:

1. Life Member of ISTE
2. Life Member of Indian Welding Society (IWS)
3. Life Member of SQAR

Dr.N.Selvaraj:

1. IAENG 111321
2. Life Member of Indian Society for Technical Education (MISTE) – LM13689
3. Life Member of Institution of Engineers (Fellow), F 1165948
4. ASCI

K.Srikanth:

1.Life Member of Institution of Engineers (MIE)
2.Member of American society of Mechanical engineers (ASMIE)
3.Annual Member of AIA(American Institute of Aeronautics and Astronautics)
4.Life Member of Indian Society for Technical Education(MISTE)

6. ADMINISTRATIVE / CO-CURRICULAR / OTHER ADDITIONAL POSITIONS HELD BY THE FACULTY

S. No.	Name	Designation	Additional Duty	Duration	
				From	To
1	Prof.A.Venugopal	Professor	1. Associate Dean, Faculty Welfare 2. Associate Dean, Students Welfare 3. Member, Departmental Purchase Committee, Central Stores,	Dec 2012	2013 May2013 2012
2	Dr. A.Veeresh Babu	Assistant Professor	1. Hostel warden from 2010 to 2012 2. Faculty – I/C., MT Section from 2010 to 2012	2010 2010	2012 2012
3	A.V.Narasimha Rao	Professor	1. Member of the Senate of the Institutte 2. Member of the Institute Sports Council for three years 3. Faculty Advisor for the Hiking and the Skating Club for a couple of years 4. Chairman of the Advisory Council of the institute Central Library, for three years.		
4	Dr.Y.Ravi Kumar	Assistant Professor	1. Hostel warden	2012	Till Date
5	Dr.G.Naga Srinivasulu	Assistant Professor	1. Hostel warden	2012	Till Date
6	Dr.Kiran Kumar K		1. Member, Centre of Excellence, Sustainable energy studies		
7	Dr.R.Narasimha Rao		1. Hostel Warden – 1K hall	16/7/2012	Till Date
8	Prof.Rapur Venkatachalam		1.Member of Institute's Research Committee	2011	Till Date
9	Dr.Velagapudi Vasu		1. Warden for 1K hostel		
10	Dr.Amba Prasad Rao		i. Associate Dean/Deputy Registrar-Academic ii Warden for the Cauveri Mess (III Mess) and Block warden for the 7th and 8th blocks. iii. Faculty Advisor for the Nature Club. iv.Convener for the Registration committee for the Institute Convocation since First Convocation	2011	Till Date
11	Dr.A.Kumar		1. Hostel warden	2012	Till Date
12	Dr.N.Selvaraj		1. Staff advisor IE(I) students chapter 2. Faculty advisor for TECHNOZION 3. Associate Dean (Students welfare)	2010 2012 2013	2013 Till Date

7. ANY OTHER SIGNIFICANT INFORMATION

Prof.A.Venugopal:

1. Honorary Chairman: The Lakshya Foundation, an NITW Alumni led organization.
2. Member, Faculty Selection Committee:
   - JNTU Kakinada
   - PVP Siddhartha Institute of Science and Technology, Vijayawada
3. Member, Board of Studies:
   - JNTU Hyderabad
   - JNTU Kakinada
   - GMR Institute of Technology, Rajam
   - PVP Siddhartha Institute of Science and Technology, Vijayawada
   - Bapatla College of Engineering, Bapatla
4. Ph.D. Examiner:
   - NIT Allahabad
   - Andhra University, Visakhapatnam
   - Anna University, Chennai
   - JNTU Hyderabad
   - JNTU Kakinada
   - JNTU Anantapuram

A.V.Narasimha Rao:

1. BOS Member of Mechanical Engineering at J N T U, Kakinada
2. Ph. D. examiner: JNTU - Kakinada, JNTU – Hyderabad, Madurai Kamaraj University, Tamilnadu, Delhi College of Engineering, New Delhi and Jaipur Unviversity, Jaipore.
3. Technical Sessions chaired at 4 conferences.
4. Mememberof the Governing Council of the Solar Energy Society of India, New Delhi, during 2000-2002
5. Faculty secondment: Served as Associate Professor of Mechanical Engineering under UNESCO scheme at the Mekelle University, Mekelle, Ethiopia for couple of years.

Dr.Y.Ravi Kumar:

1. Ph. D. examiner: Andhra University, Vishakhapatnam and Amravati University, Amaravati
2. Reviewer of the Text Book on Mechanical Engineering Design by Joseph Shigley
3. Scientific Advisory Committee Member of 19th International Conference on Flexible Automation and Intelligent Manufacturing (FAIM 2009) at University of Teesside, Middlesbrough, UK.

Dr.K.Madhu Murthy:

1.Membership on Boards, Committees and Special Positions Held:
2.BOS Member at Vignan University, Guntur
3.Ph. D. examiner: Andhra University, Visakhapatnam and JNTU Hyderabad.
4.Technical Sessions chaired at
   a. International Conference on Trends in Industrial and Mechanical Engineering (ICTIME-2012)', Dubai, 24-25 March 2012
   b. International Conference on Mechanical, Automobile and Robotics Engineering (ICMAR-2012)', Penang, Malaysia, 11 -12, February 2012

Dr.R.Narasimha Rao:

Ph. D. Examiner:

- Andhra University, Vishkapatnam, A.P.
- MANIT Bhopal
- NIT Rourkela,
- JNTUH & JNTUA., A.P.

Technical Sessions chaired:

Chairing Technical Session on April 30th 2013 in the ***International Conference*** on Industrial and Mechanical Engineering, to be held in ***Paris, France*** during April 29-30, 2013

Dr.Velagapudi Vasu:

Ph. D. examiner: JNT University, Hyderabad

Lanka Krishanand:

1. BOS Member at VRSEC, Vijayawada
2. Ph. D. examiner: NIT, Tiruchirapally NIT, Bhopal, Andhra University
3. Technical Sessions chaired at 11th GCMM conference AUT, Auckland, New Zealand
4. Faculty secondment at AIT, Bangkok

Dr.K.V.Sai Srinath:
1. Attended industry-institute, interaction programme at Vibra Forge Automat ltd., Hyderabad for 2 weeks.
2. Passed Dakshin Bharath Hindi Prachar sabha exams up to VISHARADA UTTARARDHA

Dr.Amba Prasad Rao:
1.BOS Member at GMRIT Rajam
2.Ph. D. examiner: JNTU at Hyderabad,JNTU,Anantapur and JNTU,Kakinada.

Dr.N.Selvaraj:
1.BOS Member at JNTU, Lakireddy pal reddy etc..... institute
2.Ph. D. examiner: Anna University, Chennai, NIT Trichy, JNTU Kakinada, Osmania universityHydrabad etc..

ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT:

1. ACHIEVEMENTS / AWARDS / INNOVATIONS

S. No.	Name of the Faculty	Nature of the Achievement/ Award / Innovation
1.	P. Hari Krishna Prasad	IETE-Students' Journal Award 2012 for the best paper Details of paper: "Alternative Method for SSB Signal Generation" by P Hari Krishna Prasad, pp 87-90, Vol 52 No 2, Jul-Dec 2011 issue.

2. EXTENTION / EXPERT / INVITED LECTURES DELIVERED ELSEWHERE

S. No.	Name of the Faculty	Lecture Title	Place	Dates
1.	Ravi Kumar Jatoth	Object Tracking using Kalaman Filter	VVIT-Hyderabad	07 June 2013

3. CONFERENCES / SYMPOSIA SESSIONS CHAIRED

S. No.	Name of the Faculty	Event Title	Place	Dates
1	Prof. N.V.S.N. Sarma	Chaired a session at Antenna Test & Measurement Society International Conference	Kolkata	12-13Feb ,2013

4. INTERNATIONAL VISITS

S. No.	Name of the Faculty	Countries Visited	Organisations Visited	Dates
1.	Dr.T.Kishore Kumar	DUBAI	SAI	26th to 31st December 2012

5. *RESEARCH AND CONSULTANCY EXPERTISE*

A. *Research Areas Active in*

VLSI Systems
Digital Signal Processing and
RF Communications

B. *Consultancy Capabilities in*

- VLSI Systems
  Digital Signal Processing and
  RF Communications

6. MAJOR EQUIPMENT (Costing Rs. 1 lakh and more)

S. No.	Name of the Equipment	Model / Brand	Make	Book Value	Main Application(s)
1.	Xilinx Zynq FPGA (video & Imaging kit)	Xilinx Zynq-7000 EPP	xilinx	1,62,000=00	Real time video processing applications
2.	HP Desktop Systems (40)	HP-8200	HP	13,98,096=00	EDA Laboratory

7. *MEMBERSHIP in PROFESSIONAL and S&T BODIES*

NAME	Membership
P. Hari Krishna Prasad	IETE, ISTE
Dr.T.Kishore Kumar	ISTE, IETE, IEEE
Dr.Amara Prakasa Rao	ISTE
Dr.D. Vakula	IETE, ISTE

8. ADMINISTRATIVE / CO-CURRICULAR / OTHER ADDITIONAL POSITIONS HELD BY THE FACULTY

S. No.	Name	Designation	Additional Duty	Duration	
				From	To
1.	Dr.T.Kishore Kumar	Associate Professor	Faculty Incharge Center for Automation and Instrumentation	July 2012	Till date
2.	Sri P.Muralidhar	Associate Professor	Faculty co-ordinator T&P	27-7-2012	14-12-2012
3.	Sri P.Muralidhar	Associate Professor	Dept. Teqip coordinator	July 2012	Till date
4.	Dr. D. Vakula	Assistant Professor	Mess Warden	July 2012	Till date

CHEMICAL ENGINEERING DEPARTMENT:

1. PATENTS REGISTERED / WON

S. No.	Name of the Faculty	Patent's Registration No.	Status (Pending / Won)
1	**Shirish Sonawane** Bharat Bhanvase and Pydi Setty, S Srinath	Systems for preparation of nano organic pigment dispersions using cavitation reactors 233/MUM/2013 published online March 2013	Pending
2	Sameer Kapole and **Shirish Sonawane** and others	Synthesis of corrosion inhibiting nano pigment comprising of nano pigment container for corrosion inhibitive coating 1539/MUM/2012 Patent application publications Aug 2012	Pending

2. ACHIEVEMENTS / AWARDS / INNOVATIONS

S. No.	Name of the Faculty	Nature of the Achievement/ Award / Innovation
1	S. Srinath & G.Venkat Reddy	Best Paper Award at international Conference on chemical civil and environmental engineering held at dubai during March 24-25, 2012

3. EXTENTION / EXPERT / INVITED LECTURES DELIVERED ELSEWHERE

S. No.	Name of the Faculty	Lecture Title	Place	Dates
1	Shirish H Sonawane	Nanoparticle Applications in Nanofluids	TEQIP II workshop in Mechanical Engineering Dept SIT Pune	23 March 2013
2	A Sarath Babu	Staedy State Process Simulation-AICTE Sponsored Faculty Development Programme	JITM, Parlakhemudi	March 13-14, 2012.
3	Shirish Sonawane	Nanotechnology Applications In engineering and technology	Short Term training course under TEQIP II	15-17 Feb 2013
4	S.Srinath	Expert Special Lectures on Process Modeling and Simulation	SGGS, Nanded	11 April 2013

4. INTERNATIONAL VISITS

S. No.	Name of the Faculty	Countries Visited	Organisations Visited	Dates
1	Shirish Sonawane, Associate Professor	Portugal	Instituto Superio Technico Lisboa	22 May 2013- 22 June 2013 (Heritage)
2	Srinu Naik S, Assistant Professor	USA	Univ. of Massachusetts, Amherst	24-06-2013 to 26-07-2013 TEQIP-II (R&D Training)
3	K Anand Kishore	Bali (Indonesia)	3rd International Conference on Chemical, Ecology and Environmental Sciences (ICCEES'2013)	January 4-5, 2013
4	S. Srinath	Bali (Indonesia)	3rd International Conference on Chemical, Ecology and Environmental Sciences (ICCEES'2013)	January 4-5, 2013

5 RESEARCH AND CONSULTANCY EXPERTISE

A. Research Areas Active in

Biological wastewater treatment
Heat transfer enhancement
Spout-fluid beds
Bioreactors
Galvanic Corrosion
Microfluidics
Fuel Cells
Chemical Looping Combustion
Fluidized Bed Drying
Circulating Fluidized Bed
Fluidized Bed Combustion
Plate Heat Exchangers
Reactive Distillation
Nanotechnology
Process Intensification
Process Modeling & Simulation
Microreactors

B. Consultancy Capabilities in

Process Scale-up
Modeling & Simulation
CFD
Modeling and Simulation
Heat Transfer
Fluidization
Waste water Treatment
Process Development and Scale up of Nanoparticle Production



घर्षण में पाइप, फिटिंग और वाल्व
Friction Testing in Pipes, Fittings and Valves



मास स्थानांतरण प्रयोगशाला
Mass Transfer Laboratory

6 MAJOR EQUIPMENT (Costing Rs. 1 lakh and more)

S. No.	Name of the Equipment	Model / Brand	Make	Book Value	Main Application(s)
1	Ultrasonicator	UP200H	Hielscher	4175 euros	For stable preparing dispersions; homogenization
2	MATLAB (Software)		-	Rs. 4,62,129	UG Lab & PG Research
3	COMSOL (Software)		-	Rs. 6,58,249	UG Lab & PG Research
4	ANSYS ACADEMIC CFD Software – 5 Licenses with 16 HPC licenses	ANSYS	-	Rs. 12,89,977 /-	CFD modeling of different processes and equipment. It can be used by PG and Ph.D students for their project works
5	Ultrasound Atomizer	Dk 120	Dakshin	50,000	Cavitation
6	Ultrasound Probe	DK 55	Dakshin	48000	Cavitation
7	gPROMS	PSE Product	-	6,65,145	Modeling of Chemical Engineering Problems.

7 *MEMBERSHIP in PROFESSIONAL and S&T BODIES*

G. Venkat Reddy

Life Fellow of Institution of Mechanical Engineers (India)

Y. Pydi Setty

Life Member of Indian Institute of Chemical Engineers (IIChE)
Life Member of Indian Society for Technical Education (ISTE)
Life Fellow of Institution of Chemical Engineers (India)

A.Venu Vinod

Life Member of Indian Institute of Chemical Engineers (IIChE) LM-14836
Life Member of Indian Society for Technical Education (ISTE) LM 22921

K. Srivani

Member of Indian Society for Technical Education

Shirish Sonawane
IIChE Indian Institute of Chemical Engineers
ISTE Indian Society of Technical Education
Materials Research Society of India
Institution of Engineers
Maharashtra Academy of Science

K. Anand Kishore

Associate member of IIChE, Indian Institute of Chemical Engineers

S. Srinath

Member of Institution of Chemical Engineers (India)

T. Sunil Kumar

Life Member of Indian Institute of Chemical Engineers (IIChE)
Life Member of Indian Society for Technical Education (ISTE)

P.V Suresh

Life Member of Indian Society for Technical Education (ISTE)

8 MEMBERSHIP in EDITORIAL BOARDS of RESEARCH JOURNALS

Y. Pydi Setty

a. International journal of Biotechnology Applications
b. Energy & Power (Scientific & Academic Publishing)

Shirish Sonawane

a. Journal Advances In Nanoparticles Scientific Research publications

K. Anand Kishore

a. International journal of chemical sciences and applications of BioIT international journals.

b. International Journal of general engineering and technology of International academy of science, engineering and technology global research forum.

9 ADMINISTRATIVE / CO-CURRICULAR / OTHER ADDITIONAL POSITIONS HELD BY THE FACULTY

S. No.	Name	Designation	Additional Duty	Duration	
				From	To
1	Y Pydi Setty	Professor	Head, Dept. of Chemical Engineering	July 1, 2012	Till date
2.	A. Sarat Babu	Associate Professor	Associate Dean (Academic Audit) Procurement I/c (TEQIP-II)	2012 July 1, 2012	Till date Till Date
2	A.Venu Vinod	Associate Professor	Head, Dept. of Biotechnology	July 16, 2012	Jan 16, 2013
3	K.Anand Kishore	Associate Professor	Secretary,COOPS	1/3/2013	Till date
4	K.Anand Kishore	Associate Professor	Staff Advisor, D and D club	1/7/2011	Till date
5	S.Srinath	Associate Professor	Faculty In-charge for Chemical technology Laboratory	since 2002	Till date
6	S.Srinath	Associate Professor	Staff advisor for Chemical Engineering Association and IIChE student chapter	July 2012	Till date
7	S.Srinath	Associate Professor	Member of DAC UG – Chemical Engg	Since 2008	Till date
8	S.Srinath	Associate Professor	Library Advisory Committee member - Chemical Engg	Since 2010	Till date
9	S.Srinath	Associate Professor	Member of IT Service Coordination Committee-Chemical Engg	from 2012	Till date
5	T. Sunil Kumar	Assistant Professor	Time table In-Charge for Chemical Engineering Department	April 2012	Till date

10 ANY OTHER SIGNIFICANT INFORMATION

Consultancy

"Computer simulation of Sulphuric acid plant, Coromandal International limited, Secunderabad . Project Cost : 1.12 lakhs.(Faculty Involved: A.Sarat Babu & S.Srinath) Status : completed(2013)

"Pilot Scale Production of Nano additives Argonate Phase-1" for M/s Felix Industries, Ahmedabad. Duration : Six months , Amount : Rs. 1,68,540. Team : Three (Shirish Sonawane, Y.Pydi Setty, S.Srinath). Status : completed(2013)

"Testing of Oil Sample", for M/S Arc India Petroleum PVT LTD., Secunderabad, Rs. 11,236/- , Status: Ongoing, (Faculty Involved: Dr. A. Venu vinod, Associate Professor)

Y. Pydi Setty

Reviewed articles for:

(i) Asia Pacific Journal of Chemical Engineering (John Wiley): (Title of the paper: Studies on hydrodynamic behaviour of fine particles in a fluidized bed: CFD approach)
(ii) Energy (Elsevier): (Title of the paper: A model for thermodynamic analysis in a batch type fluidized bed dryer)
(iii) African Journal of Biotechnology: (Title of the paper: Production, purification, characterization, Immobilization and application of β-galactosidase – A Review)
(iv) 9th International Conference on CFD in the Minerals and Process Industries held in CSIRO, Melbourne, Australia during December 10-12, 2012 (Title of the paper: Using CFD to simulate heat transfer in particulate curtains) and
(v) Particulate Science and Technology (Taylor and Francis) (Title of the paper: Studies on parameter optimization for particle growth in a fluidized bed granulator: Interval halving method).

S.Srinath

Reviewer for Indian journal of chemical technology

Internship By III B.Tech Students

S.No.	Institute/Company	Names of Students
1	DAAD	Sri Dithya Atluri, Krishna Kamal Kakati, Sanchit Mittal
2	ITC	Garima Sharma
3	ICT Mumbai	Dheeraj Reddy, Isha Agarwal, Sri Lakshmi, Ravikiran Sankar B. Pradeep Milan Kotecha, Saranya Dara
4	NCL Pune	Syed Sameer, Dahlia Mohana, Priyanka Sharma, Manikanta Verma, Nikhil
5	CMET Pune	P Sai Abhishek, Rohit Gundala, Josma Rodrigues
6	Reliance	Sushant Kaparthi, Prasanna Krishna Duvvuri, Ajith Kumar
7	IIT Madras	S Sai Gokul
8	ARCI	Srija Mummidi
9	IOCL	Suraj Tirukoti
10	IISc Bangalore	Ashutosh
11	DiVi Solutions	Persis S, Meghana Nallapu
12	CLRI	Sita Kalyani
13	Coromandal Fertilizers	S.Dinesh
14	University of Hyderabad	Sita Kalyani
15	Dr.Reddy Labs	Yamini, Meghana Nallapu
16	Transaction Analysts(India)Pvt. Ltd.	Niresh Venda

Student Activities:

Activities of Chemical Engineering Association and IIChE Student Chapter:

S. No.	Activity	No. of participants	Venue
1	Inaugural function(Chief Guest: Dr. P.S. Sai Prasad, IICT Hyderabad) on 14-09-2012)	120 Students	New Conference Hall
2	Fresher's talent search (31-08-2013)	I B Tech Students(55)	Chemical Engineering Seminar Hall
3	Expert Lecture by Dr. P.S. Sai Prasad, Chief Scientist, IICT Hyderabad on Bio-Fuels on (14-09-2012)	105 Students	Chemical Engineering Seminar Hall
4	Know Your Branch	I B Tech Students(60)	Chemical Engineering Department
5	Internship Konnect	III B Tech students (80)	Chemical Engineering Seminar Hall
6	Time Out (16-10-2013)	I and & II B Tech Students	Chemical Engineering Seminar Hall
7	Papylon, During Technozion 2012(28th-30th Sep.)	60	Chemical Engineering Seminar Hall
8	Chembark (Industry Defined Problem), During Technozion 2012(28th-30th Sep.)	50	Chemical Engineering Laboratories
9	Chemstorm, During Technozion 2012(28th-30th Sep.)	45	Chemical Engineering Department
10	In-situ Innovation, During Technozion 2012(28th-30th Sep.)	40	Chemical Engineering Department
11	CFD Workshop, During Technozion 2012(28th-30th Sep.)	45	Institute Computer Center
12	Exhibit, a Model on petroleum refinery, During Technozion 2012(28th-30th Sep.)	For All Chemical Engineering Students	I Floor of Chemical Engineering Department
13	Techquilla (Technical Event) (03-0102013)	For All Chemical Engineering Students	Chemical Engineering Department
14	Design Mania: Branch T-Shirt Designing Contest (December-2012)	For All Chemical Engineering Students	-
15	IOCL "Energy Conservation" Week (Events related with photography, debates, JAM, quizzes, etc.) (January 28-31, 2013)	Huge Number	Chemical Engineering Department
16	Mock Placements Week	III B Tech students (85)	Chemical Engineering Seminar Hall
17	Curiosity	I B Tech Students	Chemical Engineering Seminar Hall
18	Chemfluenza	II B Tech Students	Chemical Engineering Seminar Hall
20	Chemical Sports League (08-03-2013 and in weekends for two weeks)	All Classes of UG Chemical Engineering Students	Stadium
21	Guest Lecture (Sponsored by TEQIP-II) by Prof. P. Ravindra, professor of Chemical & Bioprocess Engineering in University of Malaysia.(25-03-2013)	Chemical Engg Students (110)	Chemical Engineering Seminar Hall
22	Valedictory function (10-04-2013)	150 Students	New Conference Hall

COMPUTER SCIENCE AND ENGINEERING DEPARTMENT:

1. MEMORANDA of UNDERSTANDING (MoUs) THE INSTITUTE HAS SIGNED THROUGH THE DEPARTMENT EXCLUSIVELY:

S. No.	External Organisation	MoU Signed on	Remarks
1	Infosys Technologies Limited	2012	To execute R&D project at CII, NIT, Warangal
2	TCS, Hyderabad	2011	To impart training for faculty and students in cutting edge technologies and provide research fellowships for CSE phD full time students

2 RESEARCH AND CONSULTANCY EXPERTISE

A. Research Areas Active in

- *Big Data Analytics, Cryptanalysis, Software Engineering, Security and Privacy,*

  Data Mining, Machine Learning, Schema Evolution, Bio Informatics, Machine learning, High Performance Computing

B. Consultancy Capabilities in

- *Software Development*
- *Data Mining; Information Security*

3. MAJOR EQUIPMENT (Costing Rs. 1 lakh and more)

S. No.	Name of the Equipment	Model / Brand	Make	Book Value	Main Application(s)
1	COGNOS, Clementine	Proprietary Software	Software	25 lakhs	Business Intelligence and Data Mining

4. MEMBERSHIP in PROFESSIONAL and S&T BODIES

	Professional Body	*Membership*
1	Institution of Engineers, India	*Fellow*
2	Association of Computing Machinery, USA (ACM)	*Senior Member*
3	Institution of Electrical & Electronic Engineers, USA (IEEE)	*Senior Member*
4	Cryptology Research Society of India	*Life Member*
5	International Association of Computer Science and Information Technology (IACSIT)	*Senior Member*
6	International Association for Cryptologic Research (IACR), US	*Member*
7	Indian Society for Technical Education, India (ISTE)	*Life Member*
8	Computer Society of India (CSI)	*Member*
9	IEEE Computer Society	*Member*
10	IEEE Communications Society	*Member*
11	Society for Industrial and Applied Mathematics	*Member*
12	Advance Computing and Communication Society, IISc, Bangalore, India	*Life Member*

5. ADMINISTRATIVE / CO-CURRICULAR / OTHER ADDITIONAL POSITIONS HELD BY THE FACULTY

S. No.	Name	Designation	Additional Duty	Duration	
				From	To
1	T Ramesh	Professor	Dean (Academic)	June 2011	Till date
1	DVLN Somayajulu	Professor	NMEICT Institute Level Coordinator	July 2009	Till date
2	DVLN Somayajulu	Professor	Aakash Coordinator	July 2012	Till date
3	RBV Subramanyam	Associate Professor	TEQIP coordinator	July 20011	Till date

DEPARTMENT OF METALLURGICAL MATERIALS ENGINEERING

1. ACHIEVEMENTS / AWARDS / INNOVATIONS

S. No.	Name of the Faculty	Nature of the Achievement/ Award / Innovation
01	Dr. G.V.S Nageswara Rao	INAE fellowship for the year 2012-2013

2. EXTENTION / EXPERT / INVITED LECTURES DELIVERED ELSEWHERE

S. No.	Name of the Faculty	Lecture Title	Place	Dates
1.	M. K. Mohan	Heat Treatment Furnaces, Temperature Measurement and Atmospheres (Short Term Course *on Trends and Advances in Heat Treatment of Steels*)	NIT Warangal	August 2012
2.	Asit Kumar Khanra	Carburising (Pack & Gas), Nitriding (Gas & Salt bath) and Carbonitriding, (Short Term Course *on Trends and Advances in Heat Treatment of Steels*)	NIT Warangal	August 2012
3.	Asit Kumar Khanra	Surface hardening and flame hardening (Short Term Course *on Trends and Advances in Heat Treatment of Steels*)	NIT Warangal	August 2012
4.	C. Vanitha	Hot deformation and Texture in Zirconium based Alloys	SR Engg. College, Warangal	April 2012
5.	C. Vanitha	Zirconia Ceramics and its applications (Short Term Course *on Trends and Advances in Heat Treatment of Steels*)	NIT Warangal	August 2012
6.	Dr.G.V.S. Nageswara Rao	Heat Treatment in Fluidized Beds (Short Term Course *on Trends and Advances in Heat Treatment of Steels*)	NIT Warangal	August 2012
7.	Dr.G.V.S. Nageswara Rao	Nitrocarburising (Short Term Course *on Trends and Advances in Heat Treatment of Steels*)	NIT Warangal	August 2012
8.	Dr.G.V.S. Nageswara Rao	Advances in Boronising (Short Term Course *on Trends and Advances in Heat Treatment of Steels*)	NIT Warangal	August 2012

3. RESEARCH AND CONSULTANCY EXPERTISE

A. Research Areas Active in

Extractive Metallurgy, Corrosion and Removal of heavy metal ions from waste process solutions, Process Metallurgy, Sulphide Metallurgy, Surface Engineering, Powder Metallurgy and Material Testing and Characterization, Foundry Metallurgy, Extractive Metallurgy, Deformation Behavior of Materials, Fatigue and Fracture, Recrystallisation and Texture, Powder Metallurgy & Ceramics, Phase Transformations, Nanomaterials.

B. Consultancy Expertise

- Mechanical working, corrosion, wear, high temperature materials etc.

4. MAJOR EQUIPMENT (Costing Rs. 1 lakh and more)

S. No.	Name of the Equipment	Model / Brand	Make	Book Value	Main Application(s)
01	SEM with EDS	VEGA 3LMU	TESCAN	Rs.92 Lakhs	Morphology of samples and elemental compositional analysis

5. MEMBERSHIP in PROFESSIONAL and S&T BODIES

(1) Dr. M.K. Mohan: Life Member (IIM)
(2) Dr.G.V.S. Nageswara Rao: Life member IIM, PMAI, ISTE, MRSI, and EMSI
(3) Sri. P.Ravindar: Life Member (IIM)
(4) Dr. N. Narasaiah: Life Member (IIM)
(5) C.Vanitha: Life Member (IIM), Life Member (MRSI), Life Member (PMAI)

6. MEMBERSHIP in EDITORIAL BOARDS of RESEARCH JOURNALS

Asit Kumar Khanra:

1. American Journal of Materials Science (http://www.sapub.org).
2. Journal of Materials & Metallurgical Engineering (http://www.stmjournals.com/journals).
3. International Journal of Metallurgical & Materials Science and Engineering (www.tjprc.com).
4. Journal of Metallurgical Engineering (www.me-journal.org).

7. ADMINISTRATIVE / CO-CURRICULAR / OTHER ADDITIONAL POSITIONS HELD BY THE FACULTY

S. No.	Name	Designation	Additional Duty	Duration	
				From	To
1.	Dr.M.K. Mohan	Professor	Professor in-charge, Centre for Advanced Materials	06-12-2010	Till date
2.	Dr. P.Surya Prakash Rao	Professor	Head of the Department	01.07.2010	16.07.2012
3.	Dr.G.V.S.Nageswara Rao	Professor	Head of the Department	16.07.2012	17.03.2013
4.	Sri P.Ravindar	Assoc. Professor	Faculty Advisor MME Association, IIM Student Chapter	2011	2013
5.	Dr. N.Narasaiah	Assoc. Professor	Head of the Department Class advisor for M.Tech & Ph.D	18.03.2013 Since 2012	Till date
6.	Dr. C. Vanitha	Asst Professor	Depatment Time table Incharge Department library advisory committee member Class advisor for B.Tech final year Department training and placement representative	Since 2010 Since 2008 Since 2008 Since 2013	-
7.	Dr. Asit Kumar Khanra	Asst. Professor	Warden Class advisor for B.Tech III year SEM In-Charge Treasure - MME Association TEQIP Coordinator	15.03.2011 Since 2008 Since 2012 Since 2011 Since 2009	Till date
8.	Mr.V. Rangadhara Chary	Asst. Professor	Class advisor for B.Tech II year	Since 2012	-

MATHEMATICS DEPARTMENT

1. EXTENTION / EXPERT / INVITED LECTURES DELIVERED ELSEWHERE

S. No.	Name of the Faculty	Lecture Title	Place	Dates
1.	Prof.G.R.K.Acharya	Mathematical Modelling	IIIT, Basara	17-12-2012
2.	Prof.G.R.K.Acharya	Wavelets	VNIT, Nagpur	20-21, Dec., 2012
3.	Prof.G.R.K.Acharya	Physiological Fluid Dynamics	JNTU, Ananthapur	10-1-2013
4.	Prof.Y.N.Reddy	Numerical Solution of Singular Perturbation Problems	BHU, Varanasi	4-6, July, 2012
5.	Prof.K.N.S.Kasi Viswanadham	Numerical Solution of two point boundary value problems by B-splines	BHU, Varanasi	4-6, July, 2012
6.	Prof.K.N.S.Kasi Viswanadham	Numerical solution of Singular Perturbation Problems and singular problems with cubic B-splines	VNRVJIT, Hyderabad	20-12-2012
7.	Prof.K.N.S.Kasi Viswanadham	Applications of optimization techniques in industrial production	SVNIT, Surat	19-21, March, 2013
8.	Prof.J.V.Ramana Murthy	Boundary Layer Theory	VNIT, Nagpur	20-12-2012
9.	Prof.J.V.Ramana Murthy	Padde Approximations	VNRVJIT, Hyderabad	21-12-2012

2. RESEARCH AND CONSULTANCY EXPERTISE

A. Research Areas Active In

- Fluid Mechanics
- Bio-Mechanics
- Computational Fluid Dynamics
- Numerical Analysis
- Finite Element Methods
- Operations Research
- Coding Theory
- Functional Analysis

B. Consultancy Capabilities In

3. ADMINISTRATIVE / CO-CURRICULAR / OTHER ADDITIONAL POSITIONS HELD BY THE FACULTY

S. No.	Name	Designation	Additional Duty	Duration	
				From	To
1.	Dr.G.R.K.Acharya	Professor	Legal Cell Coordinator	11-12-2012	Till date
2.	Prof.K.N.S.Kasi Viswanadham	Professor	Nodal Officer, Finance, TEQIP	20-8-2011	Till date
3.	Dr.D.Srinivasacharya	Asso. Prof.	Asso. Dean, Exam Branch	7-1-2013	Till date
4.	Dr.D.Srinivasacharya	Asso. Prof.	Warden	1-7-2010	30-6-2012
5.	Dr.D.Dutta	Professor	Warden	1-7-2010	30-6-2012
6.	Dr.J.Pranitha	Asst. Prof.	Warden	1-7-2010	30-6-2012
7.	Dr.A.Banerji Babu	Asst. Prof.	Warden	1-7-2010	30-6-2012
8.	Dr.P.Muthu	Asso. Prof.	Warden	1-7-2012	Till date
9.	Dr.R.S.Selvaraj	Asst. Prof.	Warden	1-7-2011	Till date

DEPARTMENT OF PHYSICS

1. EXTENTION / EXPERT / INVITED LECTURES DELIVERED ELSEWHERE

S. No.	Name of the Faculty	Lecture Title	Place	Dates
1	Prof.K.Srimannarayana	Role of Fiber Optics	Kothagudem, AP	27-02-2013

2. RESEARCH AND CONSULTANCY EXPERTISE

A. Research Areas Active In

- Fiber Optic Sensors, Optoelectronic Devices & Sensing
- Nanomaterials, Electronic & Medical Instrumentation, Radiation effects on biopolymers

B. *Consultancy Capabilities in*

- Design & development of Fiber optic sensors and instrumentation, Design of Optical systems

3. MAJOR EQUIPMENT (Costing Rs. 1 lakh and more)

S. No.	Name of the Equipment	Model / Brand	Make	Book Value (in Lakhs)	Main Application(s)
1.	SLD light Source (1310 & 1550 nm)	S5FC1021S & S5FC1005S	Thorlab, USA	3.0	Source for FBG based sensors
2	Fiber Optic Fusion splicer	FSM-60S	Fujikura, Japan	3.50	To splice Optical fibers
3.	Optigrating software	–	Optiwave systems Inc., USA	3.0	For design and simulation of FBG, LPG characteristics
4	ASE White light Source (1525 – 1610 nm)	OLS15CLGB-15-FA	Opto-links corporation, Hongkong	4.0	For fiber optic sensing purpose
5	Tubular furnace	OTX-1200X-SNT-220	MTI Corporation	3.5	Thermal characterization of fiber sensors
6	High temperature Muffle Furnace	-	Indufurr	3.2 Lakhs	For preparation of materials

4. *ADMINISTRATIVE / CO-CURRICULAR / OTHER ADDITIONAL POSITIONS HELD BY THE FACULTY*

S. No.	Name	Designation	Additional Duty	Duration	
				From	To
1	Prof. A.R.C.Redy	Professor	Registrar I/C	August, 2012	Till date
2	Prof. S.V.S.Ramana Reddy	Professor	Chairman Institute Dispensary	August, 2012	Till date
3	Prof.R.L.N.Sai Prasad	Professor	Chief Warden	August, 2012	Till date
4.	Dr. D.Dinakar	Assoc. Professor	Deputy Chief Warden	September,2012	Till date
5.	Dr.Abdul Azeem	Asst. Prof.	Co-ordinator Minority Cell	2011	Till date

HUMANITIES AND SOCIAL SCIENCES DEPARTMENT:

1. *CONFERENCES / SYMPOSIA SESSIONS CHAIRED*

S. No.	Name of the Faculty	Event Title	Place	Dates
	D.S.Kesava Rao	Kakatiya University University NAC Review	Warangal	February 2013

2. *RESEARCH AND CONSULTANCY EXPERTISE ---nil---*

A. *Research Areas Active in*

- ***Bilingualism and bilingual education; ideology in English teaching; multilingualism; genre analysis; approaches and methods in ELT.***

B. *Consultancy Capabilities in*

- ***Soft skills training; mentoring***
- ***Communication Skills Training***

3. MEMBERSHIP in PROFESSIONAL and S&T BODIES

Prof.D.S.Kesava Rao, TESOL (USA),ELTAI, EITecs

4. MEMBERSHIP in EDITORIAL BOARDS of RESEARCH JOURNALS

Hon. Editor, and Reviewer, Musings: JNTU Journal of English Studies

5. ADMINISTRATIVE / CO-CURRICULAR / OTHER ADDITIONAL POSITIONS HELD BY THE FACULTY

S. No.	Name	Designation	Additional Duty	Duration	
				From	To
1.	D.S.Kesvaa Rao	Prof. of English	Head of the Dept.	24-02-2009	Till date
2.	---do--	--do--	Faculty Advisor	July 2012	March 2013

CHEMISTRY DEPARTMENT:

1. ACHIEVEMENTS / AWARDS / INNOVATIONS

S. No.	Name of the Faculty	Nature of the Achievement/ Award / Innovation
1	Prof. B. V. Appa Rao	Best Oral Presentation Award, National Conference on Corrosion , Surface engineering and Tribology, NIT Tiruchirapally (CST-2013)
2	Prof. A. Ramachandraiah	Elected as the Fellow of AP Academy of Sciences (FAAPSc)
3	I. Ajit Kumar Reddy	Sectional president at 31st ICC, Rajkot
4	4) B. Rajitha	Visiting Scientist 2012, USA

2. EXTENTION / EXPERT / INVITED LECTURES DELIVERED ELSEWHERE

S. No.	Name of the Faculty	Lecture Title	Place	Dates
1	Prof. A. Ramachandraiah	Molecular Mechanics	DST - Inspire at several Instiutes	
2	Dhurke Kasinath	Chemistry: Research and development"	Singareni Collieries Women's Degree & PG College, Kothagudem, UGC sponsored Two-Day Seminar	24th Nov.2012,
3	Dhurke Kasinath	"Drug Discovery Process"	,KB Institute of Pharmaceutical Education and Research, Gandhinagar Gujarat	15 March 2013

3. CONFERENCES / SYMPOSIA SESSIONS CHAIRED

S. No.	Name of the Faculty	Event Title	Place	Dates
1	Prof. A. Ramachandraiah	Trends in Chemical sciences going beond frontiers	Malaysia	June 11, 2012
2	P. Nageswara Rao	Emerging Trends in Chemical Sciences	Gujarat	March 14-15, 2013

4. INTERNATIONAL VISITS

S. No.	Name of the Faculty	Countries Visited	Organizations Visited	Dates
1	Prof. B. Rajitha	USA	Department of Pharmaceutical Sciences, College of Pharmacy University of Arkansas for Medical Sciences	01-06-2012 to 11-08-2012

5. RESEARCH AND CONSULTANCY EXPERTISE

A. Research Areas Active in

Nanomaterials
Coordination Chemistry
Electrochemistry, Corrosion Science
Catalysis
Analytical Chemistry, Environmental Chemistry
Organic Synthesis, Heterocyclic Chemistry,
Medicinal Chemistry, Non Viral Gene Delivery

B. Consultancy Capabilities in

6. MAJOR EQUIPMENT (Costing Rs. 1 lakh and more)

S. No.	Name of the Equipment	Model / Brand	Make	Book Value (Rs)	Main Application(s)
1.	Magnetic Susceptibility Setup	MS2	Bartington	6,17,600/-	B.Tech, and M.Sc Practicals and Research purpose
2	Thermo 600 UV-VIS Spectrophotometer (with Reflectance attachment)	DRA-EV-600	Thermo	7,50,000/-	
3	High-Performance Liquid Chromatography (HPLC) Analyzer			8,50,000/-	
4	Hydrogenation apparatus		Labo Tech	1,55,958/-	
5	Ion selective electrodes			2.05,874/-	
6	Chiral HPLC columns		Lux	1,45,685/-	
7	Vacuum pump (Rotary evaporator)			1,13,355/-	

7. MEMBERSHIP in EDITORIAL BOARDS of RESEARCH JOURNALS

(1) Pro. B. Rajitha: Associate Editor- VRI Biological Medicinal Chemistry

8. ADMINISTRATIVE / CO-CURRICULAR / OTHER ADDITIONAL POSITIONS HELD BY THE FACULTY

S.No.	Name	Designation	Additional Duty	Duration	
				From	To
1	Prof. B. V. AppaRao	Professor	Incharge for IPR , Innovation Incubation and MOU	2013	To date
2	Prof. A. Ramachandraiah	Professor	Dean R & C	2012	To date
3	Prof. G. V. P. Chandramouli	Professor	Dean Faculty Affairs	2012	To date
4	Prf. P. Nageswara Rao	Professor	Chairman Library,	2012	To date
5	Dr. B. Rajitha	Professor	Head, Dept of Chemistry	02-01-2013	To date
6	Dr. K. V. Gobi	Assoc. Prof.	Warden	2012	To date

SCHOOL OF MANAGEMENT

1. INTERNATIONAL VISITS

S. No.	Name of the Faculty	Countries Visited	Organisations Visited	Dates
1.	Dr.Ritanjali Majhi	UK	Warwick Business School, UK	June24-30,2012

2. RESEARCH AND CONSULTANCY EXPERTISE

A. Research Areas Active in

- Human resources, Training
- Marketing Management

Time Series Prediction

Finance and Econometrics

B. Consultancy Capabilities in

- Corporate Training, Compensation
- Product development/ CRM/ Time Series Prediction

Accounting/Financial Services

3. MEMBERSHIP in PROFESSIONAL and S&T BODIES

1. ***Dr.M.Ravindar Reddy,*** Life Meber of Indian Economic Association
2. ***Dr.M.Ravindar Reddy,*** Life Member of Andhra Pradesh Economic Association
3. ***Dr.M.Ravindar Reddy,*** Life Member of Labour Economic Association
4. ***Dr.M.Ravindar Reddy,*** Life Member of Agricultural Economic Association
5. ***Dr. P. Ramlal,*** Life Member of National HRD Network, A national network of HRD professionals in India and Abroad.
6. ***Dr. P. Ramlal,*** Member in Indian Management Teachers Forum, Indore
7. ***Dr. P. Ramlal,*** Professional Member in SHRM, USA, an International Professional Body of Human Resource Management.
8. ***Dr. P. Ramlal,*** Professional Member of All India Management Association, India
9. ***Dr. P. Ramlal,*** Professional Member of Hyderabad Management Association.
10. ***Dr. Ritanjali Majhi,*** Life Member of ISTE, New Delhi
11. ***Dr. Ritanjali Majhi,*** Member of American Marketing Association, USA
12. ***Dr. Ritanjali Majhi,*** Member of All Indian Management Association, India
13. ***Dr. S.L.Tulasi Devi,*** Member, American Finance Association.
14. ***Dr.S.L.Tulasi Devi,*** Member, Indian Econometric Society.
15. ***Dr.S.L.Tulasi Devi,*** Member, International Economics Development Research Centre (IEDRC).

4. MEMBERSHIP in EDITORIAL BOARDS of RESEARCH JOURNALS

1. ***Dr. P. Ramlal,*** Editorial Board Member for International Journal of Human Resource Management, associated with IASET, ISSN (print) 2319-4936, ISSN (online) 2319-4944.
2. ***Dr. P. Ramlal,*** Advisory Board, Journal of Accounting and Finance, Bio-info International Journal, ISSN: 2249-3964 (Print) & ISSN: 2249-3972 (Online)

5. ADMINISTRATIVE / CO-CURRICULAR / OTHER ADDITIONAL POSITIONS HELD BY THE FACULTY

S. No.	Name	Designation	Additional Duty	Duration	
				From	To
1.	Dr.M.Ravindar Reddy	Associate Professor	HEAD	01-07-2010	Till date
2.	Dr.M.Ravindar Reddy	Associate Professor	NCC Officer	July 1995	Till date
3	Dr.K.Padma	Associate Professor	Deputy Registrar	February 2012	Till date
3.	Dr.P. Ramlal	Assistant Professor	Faculty In charge, School Website Maintenance, Placements Coordinator	June 2012	April 2013
4	Dr.Ritanjali Majhi	Assistant Professor	Ladies Hostel Warden(Priyadarshini)	June 2012	Till Date
5	Dr.Ritanjali Majhi	Assistant Professor	Member of Heritage Sub Committee	2012	Till Date
6.	Dr.Ritanjali Majhi	Assistant Professor	Class coordinator for MBA IInd Year	June,2012	July,2013
7.	Dr.Ritanjali Majhi	Assistant Professor	In Charge for Simulation Lab	June,2012	April,2013
8	Dr.S.L.Tulasi Devi	Assistant Professor	Department Examination in Charge	June, 2012	April,2013
9	Dr.S.L.Tulasi Devi	Assistant Professor	Department Time Table In Charge	June,2012	April,2013
10	Dr.K.Francis Sudhakar	Assistant Professor	Warden	June 2012	Till date

6. ANY OTHER SIGNIFICANT INFORMATION

The School was awarded as best B-School with Industry related curriculum by DNA group, February 2013.

BIOTECHNOLOGY DEPARTMENT:

1. INTERNATIONAL VISITS

S. No.	Name of the Faculty	Countries Visited	Organisations Visited	Dates
1	K. Narasimhulu	U.S.A	Illinois Institute of Technology, Chicago	05-10-2012

2. MAJOR EQUIPMENT (Costing Rs. 1 lakh and more)

S. No.	Name of the Equipment	Model / Brand	Make	Book Value	Main Application(s)
1.	CO_2 Incubator		Eppendorf	3.7 Lakh	To maintain cell lines

3. ADMINISTRATIVE / CO-CURRICULAR / OTHER ADDITIONAL POSITIONS HELD BY THE FACULTY

S. No.	Name	Designation	Additional Duty	Duration	
				From	To
1	P.Onkara Perumal	Asst.Professor	Block Warden for Block 1, 3 and 5 in the Boys Hostel Faculty-in-charge for III.B.Tech.Biotechnology	2012	Till date
2	K.Narasimhulu	Asst.Professor	Faculty-in-charge for II.B.Tech.Biotechnology. Treasurer for Technical Association of Biotechnology (TAB). Faculty Coordinator for Training & Placements from Biotechnology Department.	2012	Till Date
3	Dr.P.Sreenivasa Rao	Asst.Professor	Faculty Advisor of TAB Faculty Advisor IV year TEQIP Dept. Coordinator Heritage Dept. Coordinator	2012	Till date
4	R. Satish Babu	Asst.Professor	Faculty Coordinator for Industrial Tours from Biotechnology Department. Faculty Coordinator for Library from Biotechnology Department.	2012	Till date

11.0 ACTIVITIES OF TECHNICAL ASSOCIATIONS

STUDENT HOBBY CLUBS DURING THE YEAR 2012-2013

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.	Metallurgical and Materials 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

2012-13

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 Store Register Fixed Assets is not maintained. During the year, the Institute capitalized an amount of Rs.***Nil/-*** in respect of Instructional Buildings and Hostel Buildings.

04. ***Depreciation***: Depreciation has not been provided in the books of accounts. As and when the asset is declared unserviceable / obsolete after obtaining the orders 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 a year except in the case of Library Books. In respect of Library Books this item of work is carried out at intervals of not more than 3 years, as the volumes in the Central Library are more than 50,000.

06. ***Investments***: The Institute invests Provident Fund money in Public Sector 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 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.

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

12. The surplus money in respect of Non-Plan grant is transferred to Capital fund.

13. The value of land exhibited in Books at Re.1.

14. For the purpose of comparison, with the previous year, the Capital Works In Progress (CWIP) shown separately under Sch-8, as the current year CWIP is exhibited under Fixed Assets Schedule.

15. Certain funds i.e. GSLI, AIEEE, QIP etc. which were incurred at expenses resulting in negative balances were shown under Schedule – 11 under Asset side as receivables.

16. Rs. 55.77 lakh due from Government of Andhra Pradesh towards reimbursement of Tuition Fee on account of providing Free Technical Education for the period 1993-94 to 2005-06 have also not been shown as Receivables, which will be accounted during the Financial Year 2013-14

ARcReddy
4/12/13
Registrar
National Institute of Technology
Warangal

निदेशक
राष्ट्रीय प्रौधोगिकी संस्थान, वरंगल
Director
National Institute of Technology, Warangal

NATIONAL INSTITUTEOF TECHNOLOGY, WARANGAL
CONSOLIDATED BALANCE SHEET AS AT 31-03-2013

(Amount in Rupees)

CORPUS / CAPITAL FUND AND LIABILITIES	SCHEDULE	Current Year	Previous Year
Corpus / Capital Fund	1	1299827343	1201424880
Reserves and Surplus	2	2985400000	2615400000
Earmarked / Endowment Funds	3	420912382	369372043
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	85017293	95678007
TOTAL		4796008973	4286726885
ASSETS			
Fixed Assets - (Capital Assets)	8	2147329668	2062466460
— Capital Work in progress	8	1199996302	1194411463
Investments - From Earmarked / Endowment Funds	9	680853846	608268491
Investments - Others	10	129800000	162200000
Current Assets, Loans & Advances Etc.	11	638029157	259380471
Miscellaneous expenditure (to the extent not written off or adjusted)			
TOTAL		4796008973	4286726885
Significant accounting policies	24		
Contingent liabilities and notes on accounts	25	0	0

ARC Reddy
4/12/13
Registrar
National Institute of Technology
Warangal

4/12
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राष्ट्रीय प्रौधोगिकी संस्थान, वरंगल
Director
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NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2013

(Amount in Rupees)

SCHEDULE - 1 - CORPUS / CAPITAL FUND	Current Year				
	Main College	Provident Fund	TEQIP - I	TEQIP - II	Total
Balance as at the beginning of the year	835089057	175646100	172452051	18237672	1201424880
Add: Contributions towards Corpus / Capital Fund	0	43330524	0	20000000	63330524
Add: Contributions receivable towards Capital Fund	0	0	0	0	0
Add: Surplus of Grant received in earlier years	0	0	0	0	0
Add bance of the net income transferred	109669587	0	0	-8006889	101662698
from the Income and Expenditure Account					0
Less: Interest surplus to the end of the scheme transferred to NIT Warangal	0	0	0	0	0
Less: Unspent balance refunded as per list (2007-2008)	0	0	0	0	0
Less: Land value reduced as per AG audit advice	0	0	0	0	0
Less: Plan recurring expenses / Refund of money	0	0	0	0	0
Less: Payments during the year out of capital fund	0	-66590759	0	0	-66590759
BALANCE AS AT THE YEAR - END	944758644	152385865	172452051	30230783	1299827343

(Amount in Rupees)

SCHEDULE - 2 - RESERVES AND SURPLUS	Current Year				
	Main College	Provident Fund	TEQIP - I	TEQIP - II	Total
1) Capital Reserve :					
As per the last account	2615400000	0	0	0	2615400000
Add: Additions during the year	370000000	0	0	0	370000000
Less: Deductions during the year	0	0	0	0	0
2) Revaluation Reserve :					
As per the last account	0	0	0	0	0
Add: Additions during the year	0	0	0	0	0
Less: Deductions during the year	0	0	0	0	0
3) Special Reserve :					
As per the last account	0	0	0	0	0
Add: Additions during the year	0	0	0	0	0
Less: Deductions during the year	0	0	0	0	0
4) General Reserve :					
As per the last account	0	0	0	0	0
Add: Additions during the year	0	0	0	0	0
Less: Deductions during the year	0	0	0	0	0
TOTAL	2985400000	0	0	0	2985400000

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2013

(Amount in Rupees)

SCHEDULE - 5 - UNSECURED LOANS AND BORROWINGS	Current Year				
	Main College	Provident Fund	TEQIP - I	TEQIP - II	Total
1) Central Government	4851955	0	0	0	4851955
2) State Government (Andhra Pradesh)	0	0	0	0	0
3) Financial Institutions	0	0	0	0	0
4) Banks	0	0	0	0	0
5) Other Institutions and Agencies	0	0	0	0	0
6) Debentures and Bonds	0	0	0	0	0
7) Due to Govt of India (Grant Excess received)	0	0	0	0	0
8) Others (Specify)	0	0	0	0	0
--- EMD		0	0	0	0
TOTAL	4851955	0	0	0	4851955

Note : Amounts due within one year

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NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2013

(Amount in Rupees)

SCHEDULE - 7 - CURRENT LIABILITIES AND PROVISIONS	Current Year				
	Main College	Provident Fund	TEQIP - I	TEQIP - II	Total
A) CURRENT LIABILITIES					
1) Acceptances	0	0	0	0	0
2) Sundry Creditors	0	0	0	0	0
3) Advances Received					
— Government of Andhra Pradesh	9031891	0	0	0	9031891
4) Interest accrued but not due on :	0	0	0	0	0
5) Statutory Liabilities					
— GLIS	-292965	0	0	0	-292965
— LIC (SSS)	-183	0	0	0	-183
— Profession Tax	151822	0	0	0	151822
— Sales Tax	12076	0	0	0	12076
— Labour Commissioner (CESS)	-180	0	0	0	-180
— EPF	357068	0	0	0	357068
— Staff Contribution for NPS Scheme	70992	0	0	0	70992
— Income Tax	87512	0	0	0	87512
— Provident Fund Subscription	21697	0	0	0	21697
6) Other current Liabilities					
— Payable to AP State Government	1188468	0	0	0	1188468
— Lab & Library Deposit	26726350	0	0	0	26726350
— Earnest Money Deposit (EMD)	25490445	0	770	1130000	26621215
— Other Deposits	3490550	0	0	0	3490550
— Deposit for rent and Other service charges	2000	0	0	0	2000
— Admission deposit	446664	0	0	0	446664
— Outstanding liabilities	12204233	0	0	0	12204233
— Security deposit	0	0	0	0	0
— NIT Stores Co-operative Deposit	1377934	0	0	0	1377934
— ICC R&D Deposit Account	11000	0	0	0	11000
— Security deposit for Staff Quarters	51840	0	0	0	51840
— Library books purchased out of students funds	3216399	0	0	0	3216399
TOTAL : (A)	83645613	0	770	1130000	84776383
B) PROVISIONS					
1) For Taxation					
2) Gratuity	0	0	0	0	0
3) Superannuation / Pension	0	0	0	0	0
4) Accumulated Leave	0	0	0	0	0
5) Trade Warranties / Claims	0	0	0	0	0
6) Others (Specify)	0	0	0	0	0
— Other Deposits Account	0	0	0	0	0
— Interest Suspense Account	0	240910	0	0	240910
TOTAL : (B)	0	240910	0	0	240910
TOTAL : (A) + (B)	83645613	240910	770	1130000	85017293

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2013

(Amount in Rupees)

SCH - 8 - Fixed Assets	Current Year				
	Main College	Provident Fund	TEQIP - I	TEQIP - II	Total
1. Land					
a) Freehold	1	0	0	0	1
b) Leasehold	0	0	0	0	0
2) Buildings					
a) on freehold Land	1451191973	0	14702290	0	1465894263
b) on leasehold Land	0	0	0	0	0
c) Ownership Flats / Premises	0	0	0	0	0
d) Superstructures on Land not belonging to the entity	0	0	0	0	0
3) Plant, Machinery and Equipment	393179978	0	104287799	5145958	502613735
4) Vehicles	2678648	0	0	0	2678648
5) Furniture, Fixtures	69360806	0	5305346	1200821	75866973
6) Office Equipment	0	0	8424982	0	8424982
7) Computer / Peripherals	29291382	0	11740161	0	41031543
8) Electric Installations	340000	0	0	0	340000
9) Library Books	13769720	0	27992243	5579010	47340973
10) Tube wells and Water supply system	0	0	0	0	0
11) Other Fixed Assets	3138550	0	0	0	3138550
12) Capital Work- in- progress	0	0	0	0	0
Total	1962951058	0	172452821	11925789	2147329668

SCH - 9 - INV FROM EARMARKED/ENDOWMENT FUNDS	Current Year				
	Main College	Provident Fund	TEQIP - I	TEQIP - II	Total
1) In Government Securities	0	0	0	0	0
2) Other approved Securities	0	0	0	0	0
3) Shares	0	0	0	0	0
4) Debentures and Bonds	0	0	0	0	0
5) Subsidiaries and Joint ventures	0	0	0	0	0
6) Others (specify)					
— Fixed deposits with bank (Endowment)	2827789	0	0	0	2827789
— Fixed deposits with bank	470237537	0	0	0	470237537
— Corpus Fund	192671130	0	0	0	192671130
— Maintenance Fund	4383467	0	0	0	4383467
— Depreciation Fund	6042390	0	0	0	6042390
— Staff Development Fund	4691533	0	0	0	4691533
TOTAL :	680853846	0	0	0	680853846

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2013

(Amount in Rupees)

SCHEDULE - 10 - INVESTMENTS - OTHERS	Current Year				
	Main College	Provident Fund	TEQIP - I	TEQIP - II	Total
1) In Government Securities	0	0	0	0	0
2) Other approved Securities	0	0	0	0	0
3) Shares	0	0	0	0	0
4) Debentures and Bonds	0	0	0	0	0
5) Subsidiaries and Joint Ventures	0	0	0	0	0
6) Others (Specify)					
--- Fixed deposits with SBH	0	114800000	0	15000000	129800000
— Investments in STDR's	0	0	0	0	0
--- Deposits with other Departments	0	0	0	0	0
TOTAL :	0	114800000	0	15000000	129800000

(Amount in Rupees)

SCHEDULE - 11 - CURRENT ASSETS, LOANS, ADVANCES	Current Year				
	Main College	Provident Fund	TEQIP - I	TEQIP - II	Total
A) CURRENT ASSETS					
1) Inventories	0	0	0	0	0
a) Stores and Spares					
— Cement	0	0	0	0	0
— Central Stores	15472	0	0	0	15472
— Steel	85660	0	0	0	85660
— LC Suspense	0	0	0	0	0
— Foreign Demand Drafts (FDD's)	1239203	0	0	0	1239203
b) Loose Tools	0	0	0	0	0
c) Stock in Trade					
— Finished Goods	0	0	0	0	0
— Work in progress	0	0	0	0	0

Contd.....

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2013

(Amount in Rupees)

SCHEDULE - 11 - CURRENT ASSETS, LOANS, ADVANCES	Current Year				
	Main College	Provident Fund	TEQIP - I	TEQIP - II	Total
A) CURRENT ASSETS (Contd.....)					
2) Sundry Debtors :					
— Debts outstanding for a period exceeding six months	0	0	0	0	0
— Others (Fee receivable)	27335000	0	0	0	27335000
3) Cash Balances in Hand					
— Main Cash Book	588918	0	0	0	588918
— Petty Cash Book	230	0	0	0	230
— Fee account (CASH)	0				0
— Imprest with departments	262889	0	0	0	262889
4) Bank balances					
a) With Scheduled Banks					
— On Current Accounts	201502500	0	0	4274994	205777494
— On Deposit Account (includes Margin Money)	0	0	0	0	0
Short Term Deposit Account	0	0	0	0	0
— Fee account (Bank)	2421046	0	0	0	2421046
— Cheques on hand	0	0	0	0	0
— On Saving Accounts	880920	3553936	0	0	4434856
b) With Non - Scheduled Banks					
— On Current Accounts	0	0	0	0	0
— On Deposit Account	0	0	0	0	0
— On Savings Accounts	0	0	0	0	0
5) Post Office Savings Accounts	0	0	0	0	0
6) Contributions receivable towards Capital and Non-Plan Grant at the end of 03/09	100000000	0	0	0	100000000
TOTAL : (A)	334331838	3553936	0	4274994	342160768
B) LOANS, ADVANCES AND OTHER ASSETS					
1) Loans :					
a) Staff :					
— Festival Advance	237375	0	0	0	237375
— Marriage Advance	0	0	0	0	0
— TA / D A advance to employees	0	0	0	0	0
— Bicycle Advance	124349	0	0	0	124349
b) Other Entities engaged in activities / objectives similar to that of Entity	0	0	0	0	0
c) Others(Specify)					
— Other Advance	0	0	0	160000	160000
— Deposit with Other Departments	6370325	0	0	0	6370325
— Other departments of Institute / Contractors / CPWD	250153679	0	0	0	250153679

Contd.....

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2013

(Amount in Ruees)

B) LOANS, ADVANCES AND OTHER ASSETS (Contd.....)	Current Year				
	Main College	Provident Fund	TEQIP - I	TEQIP - II	Total
2) Advs and other amounts recoverable in cash or in kind or for value to be received.					
a) On Capital Account	0	0	0	0	0
b) Prepayments	0	0	0	0	0
c) Others					
--- Due from Government of India	0	0	0	0	0
3) Interest Accrued:					
a) On investments from Earmarked / Endowment Funds	0	0	0	0	0
b) On investments - Others					
On Bank Deposits	0	34272839	0	0	34272839
c) On Loans and Advances	0	0	0	0	0
d) Others (includes income due unrealised Rs.....)	0	0	0	0	0
4) Claims Receivable					
5) Other Receivables					
a) Gold Medal Suspense Account	345151	0	0	0	345151
b) AICTE QIP – Non Plan	1809720	0	0	0	1809720
c) AIEEE	372000	0	0	0	372000
d) ISTE -STTE NV Uma Mahesh	960	0	0	0	960
e) UGC Dr V Rajeshwar Rao	7062	0	0	0	7062
f) DOE Proj VLSI ECE SMPD	61144	0	0	0	61144
g) GOI MCIT DIT Prof T Ramesh	168927	0	0	0	168927
h) UNICEF IMS Prof BB Ambarkar	3891	0	0	0	3891
i) GOI DST Devpt of turnors	6213	0	0	0	6213
j) NMEICT MHRD ISTE	32499	0	0	0	32499
k) Receivable from NIT, Delhi	1742255	0	0	0	1742255
TOTAL : (B)	261435550	34272839	0	160000	295868389
TOTAL : (A) + (B)	595767388	37826775	0	4434994	638029157

AR Reddy
4/12/13
Registrar
National Institute of Technology
Warangal

निदेशक
राष्ट्रीय प्रौधोगिकी संस्थान, वरंगल
Director
National Institute of Technology, Warangal

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL

CONSOLIDATED RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31-03-2013

(Amount in Rupees)

RECEIPTS	Current Year	Previous Year	PAYMENTS	Current Year	Previous Year
I. Opening Balances:			**I. Expenses**		
a) Cash on hand			a) Establishment Expenses	500257673	447186371
— Main Cash Book	153480	569553	b) Administrative Expenses	256161625	203600953
— Petty Cash Book	192721	199699			
— Imprest with Departments	232889	205889			
— Fee Account (Cash)	0	0	**II. Payments made against Funds for various Projects**	254230485	185240281
b) Bank Balances					
— In Current Accounts	28938603	99331072			
— In Deposit Accounts	0	0	**III. Investments and deposits made**		
— Savings Account (others)	4817034	2784644	a) Out of Earmarked /Endowment Fund	0	25000
			b) Out of Own Funds	1802097848	2008264827
II. Grants /Subscription/Fund received			c) Interest accrued on investments	0	0
— Towards Capital Grant	390000000	70000000			
— Towards Revenue Exp	481300000	350000000	**IV. Expenditure on Fixed Assets & CWIP**	90448047	45447606
— PF Subscription received	29823291	27136825			
— Endowment Fund received	400000	25000	**V. Refund of Surplus Money / Loans**	0	0
III. Income on Investments from					
a) Earmarked/Endowment Funds	261642	241468	**VI. Finance Charges**	0	0
b) Own Funds (other Inv)	0	0			
IV. Interest Received					
a) On Bank Deposits & SB a/cs	37921669	37824554	**VII. Other Payments**	372223402	160754583
b) Loans, Advances etc.	0	0			
V. Other Income			**VIII. CLOSING BALANCES**		
— Rents from Hostels	11278101	20449076	a) Cash in hand		
— Licence Fee (Staff Quarters)	22136506	797657	— Main Cash Book	588918	153480
— Rents from Guest House	251700	443200	— Petty Cash Book	230	192721
— Revenue Receipts from UGC	296213340	159163131	— Imprest with Departments	262889	232889
— Revenue Receipts from MCA	0	0	— Fee Account (Cash)	0	0
— Revenue Receipts from PGC	24044004	47228145	b) Bank Balances		
— other Income (TEQIP)	44500	0	— In Current Accounts	208198540	28938603
VI. Amount Borrowed	0	0	— Savings Account (Others)	4434856	4817034
VII. Any Other Receipts	2160895033	2268454435			
	3488904513	**3084854348**		**3488904513**	**3084854348**

ARC Reddy
4/12/13
Registrar
National Institute of Technology
Warangal

4/12
निदेशक
राष्ट्रीय प्रौद्योगिकी संस्थान, वरंगल
Director
National Institute of Technology, Warangal

Enclosure to Consolidated Receipts and Payments						
RECEIPTS SIDE						
Item No. 1						
Opening Balances		Main College	PF Details	TEQIP Details	TEQIP II Details	Total
1)	Cash Balances in Hand					
	— Main Cash Book	153480	0	0	0	153480
	— Petty Cash Book	192721	0	0	0	192721
	— Imprest with departments	232889	0	0	0	232889
	—Fee Account (Cash)	0	0	0	0	0
2)	Bank Balance					
	With Scheduled Banks					
	— On Current Accounts	28700931	0	0	0	28700931
	— On Saving Accounts	844427	3972607	0	0	4817034
Item No. 2						
Grant Received		Main College	PF Details	TEQIP Details	TEQIP II Details	Total
a) From Govt. of India (College)						
— Towards Capital Fund		370000000	0	0	0	370000000
— Towards Revenue Exp		481300000	0	0	0	481300000
b) Grants received by TEQIP			0	0	0	0
c) Staff Subscription towards PF		0	24228548	0	0	24228548
d) Institute Contribution towards PF		0	5594743	0	0	5594743
c) Endowment Fund received (College)		400000	0	0	0	400000
TOTAL		851700000	29823291	0	0	881523291
Item No. 3						
Income on Investments from						
a) Earmarked / Endowments fund		261642	0	0	0	261642
b) Own funds						
Item No. 4						
Interest Received		Main College	PF Details	TEQIP Details	TEQIP II Details	Total
On Bank Deposits						
Interest on STDRs		32282689	3374354	0	1831156	37488199
Interest on Saving Accounts		0	433470	0	0	433470
TOTAL		32282689	3807824		1831156	37921669

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Director
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Enclosure to Consolidated Receipts and Payments					
Item No. 7 of Receipts	Main College	PF Details	TEQIP Details	TEQIP II Details	Total
Any other Receipts					
__ NIT Delhi Receivable	660945	0		0	660945
— Under Funded Accounts	239157863	0		0	239157863
— Outstanding Liabilities	12204233	0		0	12204233
— Other Deposit Accounts	14522147	0		0	14522147
— Investments Accounts	1714112493	0		0	1714112493
— Advances Accounts	30415784	0		0	30415784
— Other Items (St. Liabilities)	75882299	0		0	75882299
— Purchases Accounts	22268296	0		0	22268296
— Realisation of STDRs /FDRs	0	32540973		18000000	50540973
— EMD (Procurement)	0	0		1130000	1130000
— EMD – Civils	0	0		0	0
— Deposits matured	0	0		0	0
— Advances - FLC	0	0		0	0
TOTAL	2109224060	32540973		19130000	2160895033
PAYMENT SIDE					
Item No.1					
Expenses	Main College	PF Details	TEQIP Details	TEQIP II Details	Total
a) Establishment Expenses	499844186	0		413487	500257673
b) Administrative Expenses	246692567	0		9469058	256161625
TOTAL	746536753			9882545	756419298
Item No.2					
Payment made against Funds for Various Projects	Main College	PF Details	TEQIP Details	TEQIP II Details	Total
a) – towards various funded accounts	165047576	0		0	165047576
b) __ Staff subscription	0	48994544		0	48994544
__ Institute contribution	0	17596215		0	17596215
TOTAL	165047576	66590759			231638335
Item No.3					
Investment and deposits made out of own funds	Main College	PF Details	TEQIP Details	TEQIP II Details	Total
Investment and deposits made out of own funds	1787097848	0		15000000	1802097848
Investment out of Earmarked /Endowments funds	0	0		0	0
TOTAL	1787097848			15000000	1802097848

Enclosure to Consolidated Receipts and Payments

Item No.4 of Payment side

Expenditure on Fixed Assets & CWIP	Main College	PF Details	TEQIP Details	TEQIP II Details	Total
Expenditure on Fixed Assets & CWIP	78522258	0		11925789	90448047
TOTAL	78522258			11925789	90448047

Item No. 7

Any other Payments	Main College	PF Details	TEQIP Details	TEQIP II Details	Total
— Other deposits Account	12309420	0		0	12309420
— Other Liabilities (St. Liabilities)	75743499	0		0	75743499
— Purchases Accounts	19678800	0		0	19678800
— Advances Accounts	208003912	0		160000	208163912
— Endowment Payments	838958	0		0	838958
— NIT, Delhi Receivable	0	0		0	0
— Outstanding Liabilities	28153813	0		0	28153813
— Fee receivable	27335000	0		0	27335000
— 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	372063402	0		160000	372223402

PAYMENT SIDE						
Item No. 8						
Closing Balances		Main College	PF Details	TEQIP Details	TEQIP II Details	Total
1)	a) Cash in Hand					
	— Main Cash Book	588918	0		0	588918
	— Petty Cash Books	230	0		0	230
	—Fee Account (Cash)	0	0		0	
	— Imprest with Departments	262889	0		0	262889
2)	b) Bank Balance					
	— In Current Accounts	201502500	0		4274994	205777494
	— In Deposit Accounts	0	0		0	0
	— Savings Accounts	880920	3553936		0	4434856
	—Fee Bank Account (Current a/c)	2421046	0		0	2421046
	— Cheques on Hand	0	0		0	0
	TOTAL	205656503	3553936		4274994	213485433

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL

CONSOLIDATED INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31-03-2013

(Amount in Rupees)

	SCHEDULE	Current Year	Previous Year
INCOME			
Income from sales / Services	12	0	0
Grants / Subsidies	13	470000000	421300000
Fees / Subscriptions	14	303343539	193091515
Income from Investments (Income on Investment from earmarked / endowment funds transferred to funds)	15	0	0
Income from Royalty, Publications etc.	16	0	0
Interest Earned	17	47747975	49145881
Other Income	18	50624612	34989694
Increase / (decrease) in stock of Finished goods and works-in-progress	19	0	0
TOTAL (A)		**871716126**	**698527090**
EXPENDITURE			
Establishment Expenses	20	500257673	447186371
Other Administrative Expenses	21	263299947	217422390
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)		**763557620**	**664608761**
Balance being excess of Income over Expenditure(A-B)		108158506	33918329
Transfer to Special Reserve (specify each)		0	0
Transfer to / from General Reserve		0	0
BALANCE BEING SURPLUS CARRIED TO CORPUS/ CAPITAL FUND		**108158506**	**33918329**
Significant Accounting Policies	24		
Contingent Liabilities and Notes on Account	25		

ARC Reddy
4/12/13
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Director
National Institute of Technology, Warangal

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL
SCHEDULES FORMING PART OF CONSOLIDATED INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDING 31-03-13

(Amount in Rupees)

SCHEDULE - 17 - INTEREST EARNED	Current Year				
	Main College	Provident Fund	TEQIP - I	TEQIP - II	Total
1) On Term Deposits					
a) With Scheduled Banks	32282689	13634130	0	1831156	47747975
b) With Non - Scheduled Banks	0	0	0	0	0
c) With Institutions	0	0	0	0	0
d) Others	0	0	0	0	0
2) On Savings Accounts					
a) With Scheduled Banks	0	0	0	0	0
b) With Non - Scheduled Banks	0	0	0	0	0
c) Post Office Savings Accounts	0	0	0	0	0
d) Others	0	0	0	0	0
3) On Loans					
a) Employees / Staff	0	0	0	0	0
b) Others	0	0	0	0	0
4) Interest On Debtors and Other Receivables					
— Interest receivable on Fixed deposits	0	0	0	0	0
TOTAL	32282689	13634130	0	1831156	47747975

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL
SCHEDULES FORMING PART OF CONSOLIDATED INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDING 31-03-13

(Amount in Rupees)

SCHEDULE - 18 - OTHER INCOME	Current Year				
	Main College	Provident Fund	TEQIP - I	TEQIP - II	Total
1) Profit on Sale / disposal of Asset					
a) Owned Assets	0	0	0	0	0
Sale of Vehicles					
b) Assets acquired out of grants, or received free of Cost	0	0	0	0	0
2) Export Incentives realized	0	0	0	0	0
3) Fees for Miscellaneous Services	0	0	0	0	0
4) Miscellaneous Income					
--- Training Fee received	0	0	0	41000	41000
--- Sale of Application Forms for PG Courses	315840	0	0	0	315840
--- From Students Hostels	11278101	0	0	0	11278101
— From Staff Quarters / Licence Fee	22136506	0	0	0	22136506
--- From Guest House	251700	0	0	0	251700
--- Issue of Identity Cards	178400	0	0	0	178400
— Medical aid and Examination Fee	0	0	0	0	0
--- Hostel establishment charges	0	0	0	0	0
— Other miscellaneous receipts	1842757	0	0	3500	1846257
— Electricity & Water Charges from Hostels and Staff Quarters	14576808	0	0	0	14576808
TOTAL	50580112	0	0	44500	50624612

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL
SCHEDULES FORMING PART OF CONSOLIDATED INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDING 31-03-13

SCHEDULE - 20 - ESTABLISHMENT CHARGES	Current Year				
	Main College	Provident Fund	TEQIP - I	TEQIP - II	Total
A) Salaries and Wages	357528517	0	0	413487	357942004
B) Allowances and Bonus	4254721	0	0	0	4254721
C) Contributions to Provident Fund	0	0	0	0	0
D) Contributions to Other Fund (Specify)	0	0	0	0	0
E) Staff Welfare Expenses					
— Hospital and Medical charges	3478584	0	0	0	3478584
— Livery to Staff	236631	0	0	0	236631
— Medical reimbursement charges	3103313	0	0	0	3103313
F) Expenses on Employees " Retirement and Terminal Benefit/ Pension Payments"	131242420	0	0	0	131242420
TOTAL	499844186	0	0	413487	500257673

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL

SCHEDULES FORMING PART OF CONSOLIDATED INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDING 31-03-13

(Amount in Ruees)

SCHEDULE - 21 - OTHER ADMINISTRATIVE EXPENSES ETC	Current Year				
	Main College	Provident Fund	TEQIP - I	TEQIP - II	Total
a) Purchases	0	0	0	0	0
b) Labour and Processing Expenses	0	0	0	0	0
c) Cartage and Carriage Inwards	0	0	0	0	0
d) Electricity, Power and Water Charges	58379585	0	0	0	58379585
e) Insurance	0	0	0	0	0
f) Repairs and Maintenance	34854617	0	0	0	34854617
g) Excise Duty	0	0	0	0	0
h) Rent, Rates and Taxes	1719759	0	0	0	1719759
I) Vehicles running and maintenance	1026306	0	0	0	1026306
j) Postage, Telephone and Communication Charges	1021607	0	0	0	1021607
k) Printing and Stationery	2286724	0	0	0	2286724
l) Traveling and Conveyance Expenses	0	0	0	0	0
m) Expenses on Seminar / Work Shops	0	0	0	0	0
n) Subscription expenses	0	0	0	0	0
o) Expenses on Fees	0	0	0	0	0
p) Auditors Remuneration	320702	0	0	0	320702
q) Hospitality Expenses	0	0	0	0	0
r) Professional Charges (Legal Charges)	2049000	0	0	0	2049000
s) Provision for Bad and Doubtful Debts / Advances	0	0	0	0	0
t) Irrecoverable Balances Written off	0	0	0	0	0
u) Packing Charges	0	0	0	0	0
v) Freight and Forwarding Expenses	0	0	0	0	0
w) Distribution Expenses	0	0	0	0	0
x) Advertisement and Publicity	2109131	0	0	0	2109131
y) Others (Specify)					
--- Interest paid to Subscribers	0	13507233	0	0	13507233
--- Research & Development	0	0	0	885983	885983
— Operation & Maintenance	0	0	0	302304	302304
— Faculty / Seminar / Symposia / Training to Staff & Faculty Development	542416	0	0	2888543	3430959
--- DOC Contingent Expenses (UG & PG)	6943539	0	0	0	6943539
--- Contingent for Special faculty and allowances	8855333	0	0	0	8855333
— Security Staff Salaries	9711201	0	0	0	9711201
--- Stipends / Scholarships	97163481	0	0	0	97163481
— Maintenance of Internet and E-Mail	5426644	0	0	0	5426644
--- Computer maintenance charges	0	0	0	0	0
— Guest House - Other chargs	750262	0	0	0	750262
— Book bank for needy students	0	0	0	0	0
--- Donations / Scholarships	6232183	0	0	0	6232183
— Other Miscellaneous Charges	949341	0	0	5374053	6323394
TOTAL	240341831	13507233	0	9450883	263299947

Separate Audit Report of the Comptroller and Auditor General of India on the Accounts of National Institute of Technology, Warangal (NITW), for the year ended 31 March 2013

We have audited the attached Balance Sheet of National Institute of Technology, Warangal, as at 31 March 2013, the Income & Expenditure Account and Receipts & Payment 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 Institutes 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 & Payment 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: ₹ 298.54 crore (Schedule-2)

A.1.1.1 This includes Plan Grant (Non-recurring) of ₹ 37 crore[1] sanctioned for specific purpose of General Activities and creation of Capital Assets, which was incorrectly classified under Capital Reserves instead of accounting distinctly as a separate fund account, despite previous Audit comment. This resulted in understatement of Earmarked Fund and overstatement of Reserves and Surplus by ₹ 37 crore.

[1] General Activities : ₹ 3.7 crore and for creation of Capital assets: ₹ 33.30 crore

A.1.2. Earmarked/Endowment Funds: ₹ 42.09 crore (Schedule-3)

A.1.2.1 This includes minus balances amount of ₹ 28.07 lakh[2] in respect of certain fund accounts, added to the actual closing Fund Account balance (₹ 41.81 crore), besides exhibiting as 'Others Receivables' under Current Assets to compensate the unreconciled minus balances. This resulted in overstatement of Earmarked Fund and Current Assets by ₹ 28.07 lakh.

A. 2. Assets

A.2.1. Fixed Assets: ₹ 214.73 crore (Schedule-8)

A.2.1.1 This includes Gross Fixed Assets value of ₹ 196.3 crore (Main College) acquired over a period out of Plan Grants, but exhibited at its book value without providing depreciation, despite repeated Audit comments. This resulted in overstatement of Net Assets value (could not be quantified due to non-adoption of any depreciation rates).

A.2.1.2 This does not include Capital items[3] of ₹ 20.06 lakh purchased during the year, incorrectly classified as revenue expenditure, which resulted in understatement of Fixed Assets and overstatement of Expenditure by ₹ 20.06 lakh each and consequently understatement of Surplus by ₹ 20.06 lakh.

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[2] **(i) Gold Medal Suspense: ₹ 3,45,151/-, (ii) AICTE/QIP(NP): ₹ 18,09,720/-, (iii) AIEEE: ₹ 3,72,000/- (iv) ISTE-STTP, NV Uma Mahesh: ₹ 960/- (v) UGC Dr.V Rajeshwar Rao: ₹ 7,062/- , (vi) DOE VLSI ECE SMPD: ₹ 61,144/-, (vii) GOI MCIT, DIT Prof T. Ramesh : ₹ 1,68,927/-, (viii) UNICEF IMS Prof BB Ambarker: ₹ 3,891/-, (ix) GOI, DST, Dr PVS Laxmi: ₹ 6,213/- and (x) GOI, DRDO, Dr. Asit Kumar: ₹ 32,499/-**

[3] **(i) Air-conditioners: ₹ 18,21,363/- and (ii) Ceiling Fans: ₹ 1,85,000/-**

A.2.2 Capital Works-in-Progress: ₹ 120 crore (Schedule-8)

A.2.2.1 Details relating to an amount of ₹ 120 crore[4] exhibited under Schedule-8 as 'Capital Works-in-Progress' were not available and work-wise analysis of the closing balances, which were carried forwarded every year was also not conducted to review the status of completion of works.

A.2.3. Current Assets, Loans, Advances etc.: ₹ 63.8 crore (Schedule-11)

A.2.3.1 This includes an amount of ₹ 2.73 crore[5] incorrectly shown as 'Fee receivable', though the due amount was received during the year from NIT, Suratkal, Karnataka and accounted for as receipt in the Director, NIT Account Cash Book. This resulted in overstatement of Accrued Income and Current Assets by ₹ 2.73 crore each. Surplus had also been overstated to that extent.

B. Consolidated Income and Expenditure

B.1. Income: ₹ 87.17 crore

B.1.1 Against an amount of ₹ 42.10 lakh received during the year towards fees in respect of 'Institute Development Contribution' Fund, an amount of ₹ 4.21 lakh was incorrectly taken into account. Short accountal of ₹ 37.89 lakh had resulted in understatement of Closing Cash Book balance under Current Assets and Earmarked Fund account by ₹ 37.89 lakh.

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[4] (i) Instructional Buildings: ₹ 27,30,96,799/- (ii) Staff Quarters: ₹ 1,68,87,239/- and (iii) Hostel Buildings: ₹ 91,00,12,264/-

[5] Through Cheque no.179776 dated 19.3.2013 towards tuition fees in respect of 84 students admitted under DASA Scheme, B.Tech First year during 2012-13

ANNEXURE TO SEPARATE AUDIT REPORT

1. **Adequacy of Internal Audit System:** Internal Audit Wing was formed only in 2012-13 and Internal audit of the transactions for the year 2012-13 was stated to be under progress.

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

3. **System of Physical verification of fixed assets:** Physical verification of fixed assets for the year and sample verification of Library books was stated to be under progress. Besides this, Centralized/Consolidated Fixed Assets Register was not updated since November 2007, despite previous Audit comments.

4. **System of Physical verification of Inventory:** Physical verification of Inventory was not conducted, despite repeated Audit comments.

5. **Regularity in payment of statutory dues:** Statutory dues were paid regularly.

(ROLI SHUKLA MALGE)
निदेशक/ प्रत्यक्ष कर & केन्द्रीय स्थायत निकार्यो
DIRECTOR/DT & CAB

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 (NITW), 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 Receipts & 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 2013; 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)

3. Details relating to an amount of ₹ 5.76 crore[6] exhibited as 'Other Liabilities' were neither available nor year-wise analysis conducted to review for existence of factual liability and also lapsed/unclaimed deposits.

4. Provision was not made for liability towards payment of Retirement Gratuity, Leave Encashment and Superannuation Pension, in accordance with Accounting Standard-15.

D. Net effect of Audit Comments on accounts

The net impact of Audit comments given in preceding paragraphs is understatement of Liabilities by ₹ 0.06 crore, overstatement of Assets by ₹ 2.24 crore and also Surplus by ₹ 2.3 crore.

E. Grants-in-Aid

Out of total Grants-in-aid of ₹ 84 crore received during the year (Plan: ₹ 37 crore and Non-Plan: ₹ 47 crore), including Non-Plan Grant of ₹ 10 crore sanctioned in March 2013 but not received during the year, along with unutilised certified balance of previous year amounting to ₹ 43.39 crore and internal income of ₹ 35.3 crore, totalling ₹ 162.69 crore, the Institute utilised a sum of ₹ 101.39 crore[7], leaving a balance of ₹ 61.30 crore unutilised as on 31 March 2013.

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[6] Lab & Library Deposit: ₹ 2,67,26,350/- (ii) Earnest Money Deposit: ₹ 2,54,90,445/- (iii) Other Deposits: ₹ 34,90,550/- (iv) Admission Deposit: ₹ 4,46,664/- (v) NIT Co-operative Deposit: ₹ 13,77,934/- (vi) ICCR&D Deposit: ₹ 11,000/- and (vii) Security Deposit for Staff Quarters: ₹ 51,840/-

[7] Non-Plan: ₹ 75,75,73,411/-, Plan: ₹ 25,63,60,369/-. Total : ₹ 101,39,33,780/-

B.1.2 This does not include an amount of ₹ 18.40 lakh received during the year towards Examination fees by challans and though accounted for during the year in the Miscellaneous Receipts Register, was incorrectly treated as income of 2013-14. This resulted in understatement of Income and Closing Cash book balances under Current Assets by ₹ 18.40 lakh each. Surplus had also been understated to that extent.

B.1.3 This does not include unspent balances of ₹ 4.21 lakh in respect of closed courses, incorrectly retained under Earmarked Fund as "College resource fund (Self Generation)", despite repeated Audit comments. This resulted in understatement of Income/Surplus and overstatement of Earmarked Fund account by ₹ 4.21 lakh.

C. General

1. Though Land and Buildings were handed over by A.P Tourism Development Corporation to the Institute on 30.06.2007, the extent of land was not disclosed. Besides this, no valuation of the Land and Buildings was made for incorporation in the Annual accounts, despite previous Audit comments, except periodical assurance for its valuation in the 'Notes on Accounts'.

2. The accumulated liability towards payment of interest to Government of India on the balance loan amount of ₹ 48.52 lakh (Loan sanctioned prior to 1983-84) and outstanding for more than 25 years was not provided for in the accounts, despite previous Audit comments. The details of the loan were also not suitably disclosed in the 'Notes on Accounts'. This issue was also reported in earlier Audit Report.