वार्षिक रिपोर्ट एवं वार्षिक एकाउंट्स

Annual Report & Annual Accounts

2013 - 2014







राष्ट्रीय प्रौध्योगिकी संस्थान, वरंगल

National Institute of Technology, Warangal



Sri Pranab Mukherji
Visitor
His Excellency, the President of India



Sri Narendra Modi
Hon'ble Prime Minister of India



Smt. Smriti Irani
Hon'ble Union Minister of MHRD



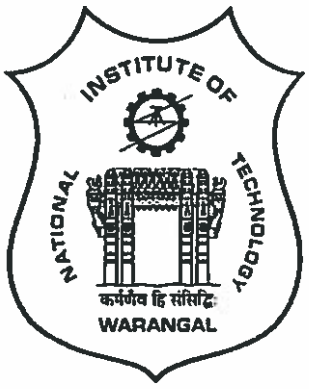
Dr. Krishna M. Ella
Chairman. BoG, NIT Warangal



Prof.T. Srinivasa Rao
Director, NIT Warangal

Annual Report & Annual Accounts

2013 - 2014



NATIONAL INSTITUTE OF TECHNOLOGY

WARANGAL - 506 004

TELANGANA STATE

National Institute of Technology

WARANGAL - 506004, Telangana State

CERTIFICATE

Certified that the copies of the enclosed Annual Report and Annual Accounts for the year 2013-2014 have been fully checked and compared with the originals and there are no inaccuracies or omissions in the report.

24/11/14

DIRECTOR
National Institute of Technology
Warangal

FOREWORD

The dexterity, aura and exuberance of any organization are 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 their 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 vision, mission and 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, 2013-2014, marks a record number of 28 doctoral degree awards, 35 academic mobilities to European Institutes through Cohort 1 of the Erasmus Mundus Scheme, the HERITAGE project and 85 young faculty members have received the Research Seed Money (RSM) grants from the Institute. It also features the institution of new inter-disciplinary Centres of Excellence at both the Institute and Departmental levels with support from the TEQIP-II. Above all, NIT Warangal has been bestowed with Dr. Krishna M. Ella, an eminent scholar and dynamic industrialist as its Chairman, Board of Governors.

The 2nd floors 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, 2013-2014, 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

CONTENTS

PART – I			Page No.
	Foreword	...	III
	Contents	...	V
	Vision Statement	...	IX
	Mission Statement	...	X
	Objectives	...	XI
	Brief Profile of the Institute	...	XIII
1	**INTRODUCTION**		
1.1	Education System	.....	1
1.2	New Initiatives	.....	1
2.0	**AN OVERVIEW**		
2.1	Historical Background	.....	2
2.2	Location	.....	3
2.3	Campus	.....	3
2.4	Administration	.....	4
2.5	Academic Programmes	.....	5
2.6	Courses Offered	.....	5
2.7	Admission procedure	.....	8
2.8	Students	.....	12
2.9	Examination & Evaluation	.....	13
2.10	Placement	.....	16
2.11	Games and Sports	.....	17
2.12	R & D Infrastructure	.....	21
2.13	TEQIP – II	.....	28
3.0	**THE STAFF**		
3.1	The Faculty	.....	43
3.2	Non-Teaching Staff	.....	55
3.3	Continuing Education Programme for Academic Excellence	.....	62
3.4	Research Publications/Presentations	.....	72

			Page No.
4.0	**ACADEMIC PROGRAMMES**		
4.1	Courses offered	.....	113
4.2	Course- wise Enrollment with Sex, Caste brake-up	.....	113
4.3	Admission Statistics – UG/PG Programmes course-wise	.....	117
4.4	Total Students strength in the Institute 2013-14	.....	120
4.5	The Hostels	.....	121
4.6	Scholarships/ Monetary Assistance	.....	124
4.7	Games and Sports	.....	126
4.8	Examination Details	----	129
5.0	**RESEARCH & DEVELOPMENT ACTIVITIES**		
5.1	Research Guidance	.....	131
5.2	Details of Ph.Ds Awarded	.....	150
5.3	Research Projects	.....	152
5.4	Sponsored Research and Industrial Consultancy (SRIC)	.....	162
6.0	**ADMINISTRATIVE AND STATUTORY BODIES AND OTHER COMMITTEES**		
6.1	Board of Governors	.....	164
6.2	Finance Committee	.....	165
6.3	Building and Works Committee	.....	166
6.4	Senate	.....	167
6.5	Other Committees	.....	168
7.0	**CONCESSIONS FOR SCs, STs, HANDICAPPED STUDENTS**		
7.1	Concession provided for Students	.....	174
7.2	Concession provided for Staff	.....	174
8.0	**FINANCIAL STATUS**		
8.1	Analysis of Plan and Non-Plan Grants	.....	175
8.2	Sources of funds	.....	175
8.3	Expenditure position for the last three years	.....	176

9.0	**CENTRAL FACILITIES & SERVICES**		
9.1	Computer Centre	.....	177
9.2	Library	.....	180
9.3	Laboratories and Infrastructure	.....	185
9.4	Hospital, Post Office, Shopping centre	.....	195
9.5	Physical facilities	.....	196
9.6	Games & Spots facilities	.....	197
9.7	Other facilities like Hostels, Messes, Staff Quarters, Administration	.....	197
10.0	**NOTABLE ACHIEVEMENTS**		
10.1	Past Achievements	.....	198
10.2	Achievements took place during the year	.....	199
11.0	**ACTIVITIES OF TECHNICAL ASSOCIATIONS AND STUDENT HOBBY CLUBS**	.....	243

PART – II

ANNUAL ACCOUNTS AND AUDIT REPORT

1.	Annual Accounts	.....	249
2.	Audit Report	.....	267

ELEVENTH CONVOCATION (15-10-2013)
11 वा दीक्षान्त समारोह













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

- "Imparting total quality education to develop innovative, entrepreneurial and ethical future professionals fit for globally competitive environment."

- "Allowing stake holders to share our reservoir of experience in education and knowledge for mutual enrichment in the field of technical education."

- "Fostering product oriented research for establishing a self-sustaining and wealth creating centre to serve the societal needs."



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 conceived 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 427 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 was 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 55 years of existence, it has become a proud *Alma Mater* for over 14772 graduates in different branches of technology, 9186 postgraduates and 427 doctorates in technology and science. The alumni of the institute can be found across the globe adorning very high positions in academics, industry, politics, administration, research and entrepreneurship, thus creating an international flavour for the institute. As part of its admission policies today, it draws students from different parts of the world for its UG, PG and Ph.D programmes under Direct Admission for Students Abroad (DASA) and other schemes of the Government of India. It is, thus, becoming an International Institute of excellence, offering quality technical education. In its quest for establishing a brand image commensurate with its international complexion, it is striving towards excellence in several areas.

The Institute is presently offering eight undergraduate programmes in Civil, Electrical and Electronics, Mechanical, Electronics and Communication, Metallurgical & 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 sanctioned and ongoing research projects sponsored by agencies such as CSIR, DST, DIT, DRDO, NRB, BRNS etc, to a tune of Rs. 7.75 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 2013-14 has been excellent. 171 organizations visited the campus and 481 of B.Tech among 705 students (68%) have been placed.

The institute is located in a sprawling area with a residential campus with accommodation for all students and most of the members of the staff. Hostel facilities are being further strengthened by creating new hostels as well as renovating the existing ones. Sports facilities include huge playgrounds, an impressive modern stadium with a turf wicket for cricket and a national level 400 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 Sustainable 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.
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.
September 2001	Fiber Optic Campus LAN established
July, 2002	Board of Governors resolved to approve the new Memorandum Of Association (MOA) for conversion of Regional Engineering College, Warangal as National Institute of Technology (NIT), Warangal.
September, 2002	Institute renamed as National Institute of Technology, Warangal and conferred the status of Deemed University.
July, 2003	Commencement of admission of students into B.Tech through AIEEE stream
August, 2003	**Change over to IIT Pattern in Curriculum** Development and method of evaluation.
June, 2004	The Institute receives an assistance of Rs. 11.41 crores from the World Bank under TEQIP (Technical Education Quality Improvement Programme).
March 1, 2004	**Ist Convocation of NIT Warangal**. Prof. S.K. Joshi, Chairman, Board of Governors, IIT Roorkee and Former Director General, CSIR delivers the First Convocation address.
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 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 Centralede Nantes, France for effective collaboration and research activities by exchange programmes.
October 15, 2013	11th Convocation was held on 15th Oct. 2013, in which Dr. Krishna M. Ella, Chairman BOG, NIT Warangal, was the Chief Guest
Dec. 27 – 29, 2013	TECHNOZION 2013 - Prof. C. Suryanarayana, Dept. of Mechanical, Materials and Aerospace Engineering, University of Central Florida, Orlanda, USA was the Chief Guest.
Feb. 21 -23, 2014	Inaugural function of Spring Spree-2014 held at the Institute, Ms. Shobitha Dhulipala (Miss India) and Sri Anup Rubens (Music Director) were Chief Guests.

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 whenever 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.

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 Started 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 Programmes in Engineering: M.Tech.

Department / Specialisation	Current Year Intake	Year Started 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
6. Materials and Systems Engineering Design (In collaboration with NFTDC, Hyderabad)	12	2013
Electronics and Communications Engineering		
1. Electronic Instrumentation	20	1966
2. VLSI System Design	20	2001
3. Advanced Communication Systems	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 Programmes in Sciences: M.Sc. / M.Sc. (Tech)

Mathematics.....M.Sc		
1. Applied Mathematics	20	1970
2. Mathematics and Scientific Computing	20	2001
Chemistry.....M.Sc		
1. Chemistry (Dyes, Drugs, Pharmaceuticals & Pesticides)	24	1977
2 Chemistry (Modern Methods of Chemical Analysis)	24	1999
Physics.....M.Sc (Tech)		
1. Engineering Physics (Photonics, Electronics and Instrumentation)	48	1970

Doctoral programmes (Leading to the degree of PhD)

Ph.D. Programmes are offered in

a) All branches of Engineering and Technology
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 admissions 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 semester wise 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 either 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 semesters of class room course work followed by 2 semesters 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 M.Sc, 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 have 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 wishes 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 2013-2014.

Sl.No.	Branch	Boys		Girls		Total	
		Indians	Foreign	Indians	Foreign	Indians	Foreign
1	Civil Engineering	71	16	19	5	90	21
2	Electrical & Electronics Engineering	80	17	24	2	104	19
3	Mechanical Engineering	100	19	3	1	103	20
4	Electronics & Communication Engineering	81	20	21	3	102	23
5	Metallurgical and Materials Engineering	46	1	12	1	58	2
6	Chemical Engineering	57	5	26	2	83	7
7	Computer Science & Engineering	86	25	20	7	106	32
8	Bio-Technology	32	1	25		57	1
	Total	**553**	**104**	**150**	**21**	**703**	**125**

Number of candidates admitted into First year PG courses during 2013-14 : **696**

Number of candidates admitted into Ph.D. courses during 2013-14 : **99**

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:

$$SGPA = \frac{\sum_1^n C_i GP_i}{\sum_1^n C_i}$$

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.

$$CGPA = \frac{\sum_1^n S_i C_i}{\sum_1^n C_i}$$

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:

$$SGPA = \frac{\sum_1^n C_i GP_i}{\sum_1^n C_i}$$

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.

$$CGPA = \frac{\sum_1^n S_i C_i}{\sum_1^n C_i}$$

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 conversed 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 placements through Campus selections. The Institute attracts a wide range of organizations in the country and also from abroad for placement.

During the academic year **2013-14**, 171 organizations have visited the campus and offered a total of 685 placements. Among this, 481 are B.Tech students and 204 are PG students from M.Tech., M.Sc. (Tech.), M.Sc., MCA., and MBA.

Branch-wise Break-up of Placements offers to Students during the Academic Year 2013-14

Course	Branch	Total Students	Placed
B.Tech	Civil Engineering	95	55
B.Tech	Electrical & Electronics Engineering	94	70
B.Tech	Mechanical Engineering	100	74
B.Tech	Electronics & Communication Engineering	105	79
B.Tech	Metallurgical & Materials Engineering	44	23
B.Tech	Chemical Engineering	93	55
B.Tech	Computer Science & Engineering	108	87
B.Tech	Bio-Technology	66	38
	B.Tech., Total	**705**	**481**
M.Tech	M.Tech., M.Sc. (Tech.), M.Sc., MCA., and MBA (all)	**585**	**204**
	Grand Total UG + PG (all)	**1290**	**685**

a) Educational Tours:

During the academic year 2013-14, the T&P Section facilitated seven Educational Tours for B.Tech / M.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 person with designation	Date(s)
1.	Nagarjuna Sagar Dam, Nagarjuna Sagar.	B.Tech., Civil II/IV	110	Dr. Ajay Kumar Patil, Dr. K.Gopi Krishna, Asst. Professors. D. Ravi Prasad, Asst. Prof. (on contract)	28th Sept. 2013
2.	ECIL, Hyderabad	B.Tech., ECE IV/IV	50	Dr. P.Srihari Rao, Asso. Prof. Dr. P.Vakula Dr. S. Anuradha Asst. Professors.	25th Jan. 2014
3.	Vizag Steel Plant, NTPC, Vizag	B.Tech., EEE II/IV	78	Dr. M.Uday Bhaskar Dr. D.N. Narsimha Raju Asst. Professors.	27th Feb. to 3rd Mar. 2014.
4.	Vizag Steel Plant, Kurusura Submarine Museum, Visakhapatnam	B.Tech., Mechanical II/IV	38	Sri I.Ashok Reddy, Asso. Prof. Dr. B.Satish Ben, Asst. Prof.	6th to 9th March, 2014
5.	Lower Manair Dam, Karimnagar	B.Tech., Civil III/IV	69	Dr. E.Venkata Ratnam, Asso. Prof. Dr. P.Venkateswara Rao, Asst. Prof.	8th Mar. 2014
6.	Sree Ram Sagar Project, Nizamabad	M.Tech., WRE & Env. Eng. (both first year)	21	Dr. E.Venkata Ratnam, Asso. Prof. Dr. P.Venkateswara Rao, Asst. Prof.	22nd and 23rd March, 2014

7.	NTPC, Ramagundam	M.Tech. PSE I Year	36	Prof. DVSS.Siva Sarma Sri Y.Chandrasekhar, Asst. Professor.	25th Mar. 2014

b) **Industrial Training & Industrial Visits**:
During the summer vacation between 16-05-2013 to 16-07-2013 a number of Industries / organizations have offered training. About (130) students of III and II year B.Tech., classes have undergone practical training during Summer Vacation in the academic year 2013-14.

The following are the details of Industrial Visits made by the students of various Departments during the

Academic year 2013-14:

Sl. No.	Place of visit	Student Branch(es)	No. of students	Accompanying person with designation	Date(s)
1.	C-DoT Sultanpur, India Infotech, Delhi Samsung R&D, Noida	B.Tech., CS&E III/IV & B.Tech., ECE III/IV	60 59	Dr. J.Pranitha, Asst. Prof. Dr. H.P. Rani, Asst. Prof.	6th Dec. to 15th Dec. 2013
2.	Concord Industries, New Delhi & Masons' Industries, Agra	B.Tech., EEE III/IV	70	Dr. B.L.Narsimha Raju Asst. Prof. Sri Ch.Ramulu, Asst. Prof. (on contract)	26th Nov. to 2nd Dec. 2013
3.	Microsoft IDC, Bangalore	B.Tech., CS&E II/IV	42	Dr. P.V.Subba Reddy Dr. J.Pranitha, Asst. Professors.	19th Mar. to 23rd Mar. 2014
4.	3G Centre of BSNL, Kothapet, Hyderabad	M.Tech., ACS I year	18	Dr. P.Srihari Rao, Asso. Prof.	24th Mar. 2014

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.

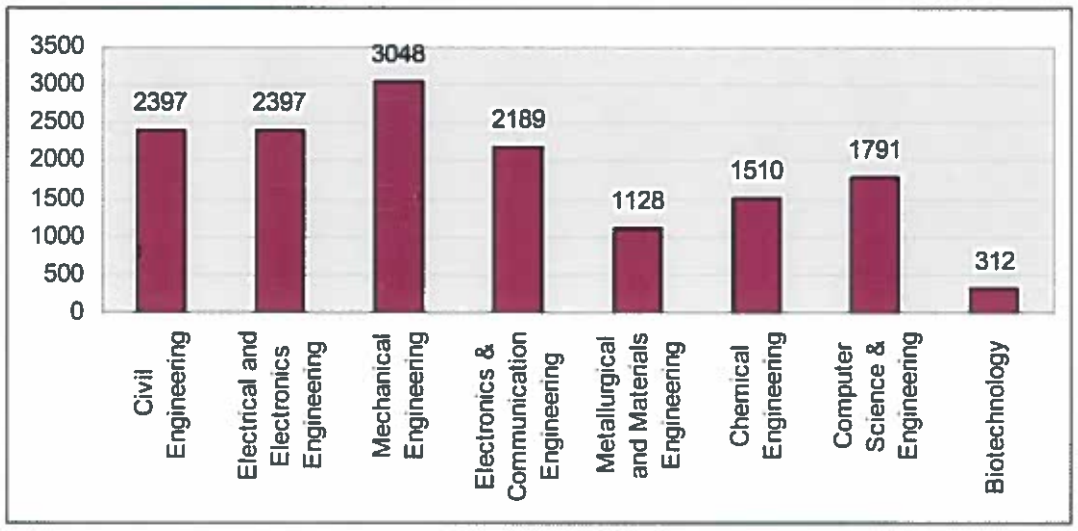
Activities of the department include

- 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, 2014
Since Inception

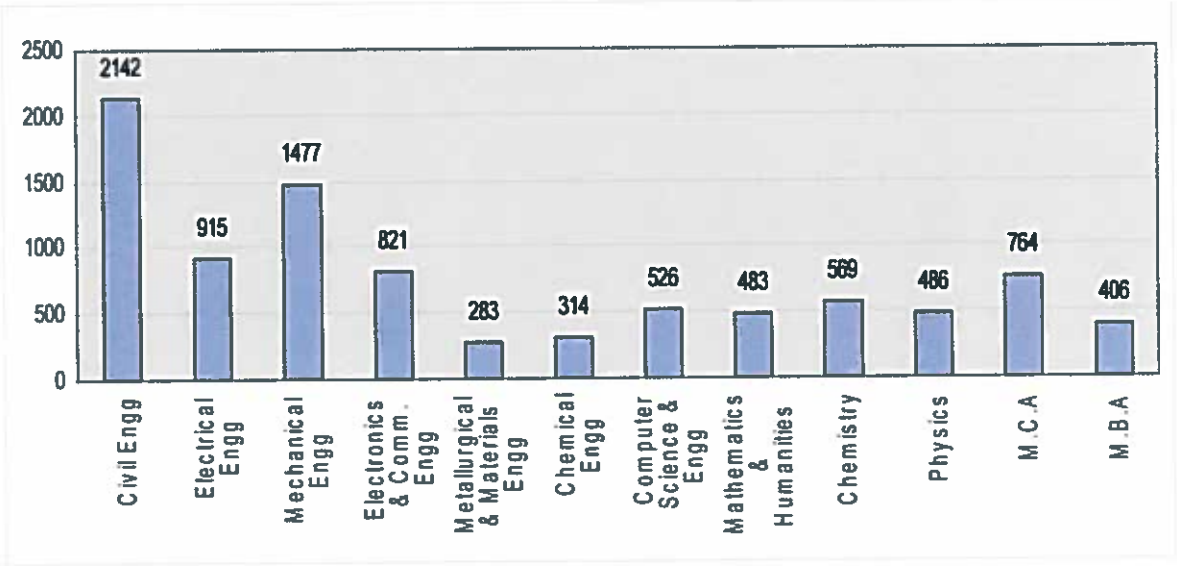
A) B.Tech.

Civil Engineering	**2397**
Electrical and Electronics Engineering	**2397**
Mechanical Engineering	**3048**
Electronics & Communication Engineering	**2189**
Metallurgical and Materials Engineering	**1128**
Chemical Engineering	**1510**
Computer Science & Engineering	**1791**
Biotechnology	**312**
TOTAL	**14772**



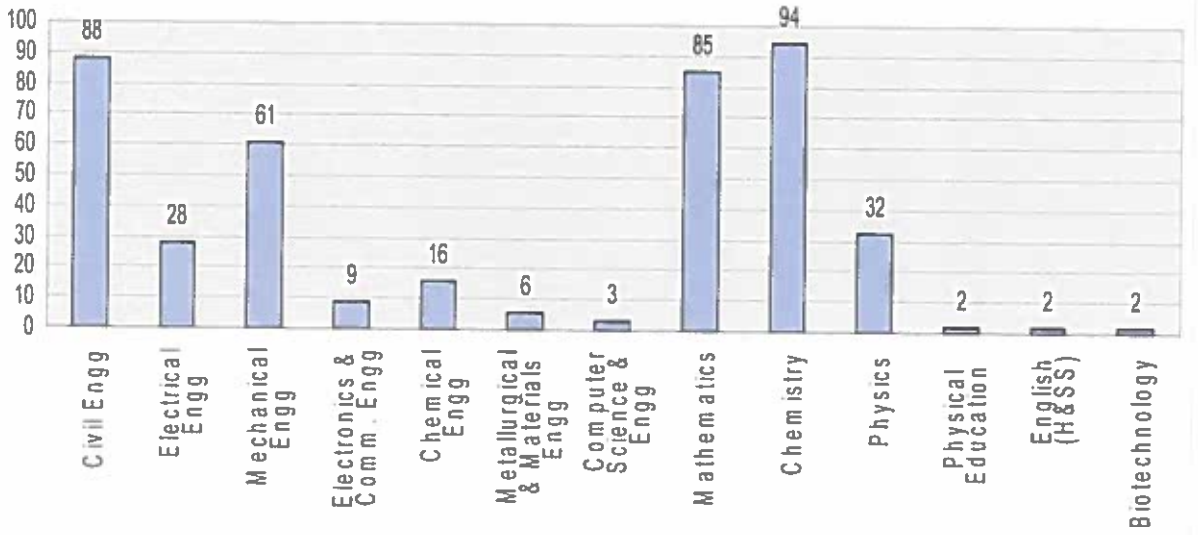
B) M.Tech. / M.Sc. / M.Sc. (Tech) / M.C.A. / M.B.A.

Civil Engineering	2142
Electrical Engineering	915
Mechanical Engineering	1477
Electronics & Communication Engineering	821
Metallurgical and Materials Engineering	283
Chemical Engineering	314
Computer Science & Engineering	526
Mathematics & Humanities	483
Chemistry	569
Physics	486
Master of Computer Application	764
Master of Business Administration	406
TOTAL	**9186**



C) PhD (Doctor of Philosophy)

Civil Engineering	88
Electrical Engineering	28
Mechanical Engineering	61
Electronics & Communication Engineering	09
Chemical Engineering	16
Metallurgical and Materials Engineering	06
Computer Science & Engineering	03
Mathematics	85
Chemistry	94
Physics	32
Physical Education	02
English (H&SS)	02
Biotechnology	02
Total	**427**



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.

NIT Warangal has highly qualified, spirited and research oriented faculty capable of undertaking any challenging tasks in advanced research. During the last 5 years, the faculty of NITW has been receiving, on an average, an amount of Rs.5 crores/year research fund from various funding agencies such as DST, CSIR, DIT, DBT, DRDO (AR&DB, NRB and ERIPR), DAE-BRNS, etc. Particularly, the past 3 years witnessed the significant improvement in receiving large number of research projects. As a matter of fact, the institute has received 31 projects of total worth Rs.8 crores since March 2013 to till date. The institute is constantly updating itself with latest developments in S&T and the needs of Industry and Academia and has been developing the infrastructural facilities for R&D by establishing Centres of Excellence (CoEs) in various departments. Every department has research infrastructure. In addition, 4 research centers, namely Centre for Advanced Materials (CAM), Centre for Automation and Instrumentation (CAI), Centre for Sustainable and Alternate Energy Systems (CSAE) and Centre for Urban Transport Studies (CUTS) have been established to carryout research in interdisciplinary areas. State-of-the art equipment such as X-ray Diffractometer (XRD), Scanning Electron Microscope (SEM), Atomic Force Microscope (AFM), Dynamic Mechanical Analyzer (DMA), Differential Scanning Calorimeter (DSC) etc have been already procured and are under operation for 24 X 7 throughout the year. Equipment such as Electron Spin Resonance (ESR) Spectrometer, Nuclear Magnetic Resonance (NMR) Spectrometer, CHNS-O Analyzer, HPLC-Mass Spectrometer, TG-DTA etc. are being procured / installed soon.

NIT Warangal has signed MoU's with 27 organizations and universities which include CPRI-Bangalore, IICT-Hyderabad, ECIL-Hyderabad, ARCI-Hyderabad, NFTDC-Hyderabad, RCI-Hyderabad, DMRL-Hyderabad; foreign universities such as Tampere University of Technology-Finland, Texas A&M Agrilife Research University, US etc.

NIT Warangal became an Indian partner of two Indo-Europe Erasmus Mundus Programmes, namely 'HERITAGE' and 'EUPHRATES'. Under the HERITAGE programme, 33 students have received fellowships for a duration ranging from one semester to six semesters in European Universities. This is the highest number of mobilities among the 12 Indian partners, which included a few reputed IITs and IISc. For the first time in the history of NITW, award of credits for the courses (after suitable mapping) completed by the B. Tech. students in foreign universities, has been implemented. This is a new direction in collaborative academic and research exchange programmes in order to strive for excellence in HRD. 11 of the faculty members were also sanctioned the fellowships for a short duration of one to three months to carryout research in one of the European universities. 16 mobilities have so far been accorded to the students of NIT Warangal under the 'EUPHRATES' scheme.

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 per each project.

The Institute has strengthened its digital library with all the required research journals numbering 2500.

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 faculties were benefited by this grant which has encouraged the faculty to submit major research projects proposals to different funding agencies.

Centres of Excellence

The Institute has the following research centres of excellence with expertise and state of art facilities with the funds from 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 progress 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.

Research and Development Funding

The Ministry of Human Resource Development (MHRD), the Council for Scientific and Industrial Research (CSIR), the University Grants Commission (UGC), the Department of Science and Technology (DST), the Ministry of Communications and Information Technology (MCIT), the Department of Atomic Energy (DAE) and Defence Research Development Organization (DRDO) etc. are other sponsors for research projects in several departments.

During 2013-2014, the institute received 31 research projects from various funding agencies such as DST, CSIR, DIT, DRDO, DAE, and other agencies. The funds received towards research projects are shown given below:

DST, CSIR, DIT, DRDO and other Agencies : Rs. 7.75 Crores

No. of research papers published during 2013-2014 : 523 Papers

CENTRE FOR INNOVATION AND INCUBATION

1. New MoUs signed by NIT Warangal with other reputed institutions in India and Abroad

i) Research Centre Imarat (RCI), Hyderabad: RCI is one of the leading laboratories of DRDO, Ministry of Defence, Govt. of India. The MOU is intended to carry out research and development in the areas of Avionics technologies and related disciplines. The departments of ECE, EEE, Mechanical Engg., Mathematics, Physics and Chemistry of NITW are some of the departments associated with this MOU. This MOU envisages the following.

a) Research collaboration between RCI and NITW in cutting edge technology areas

b) Jointly conducting short term courses, seminars and symposia

c) Providing opportunity for scientists and research scholars of RCI for Ph.D registration at NITW

d) Providing opportunity for M.Tech and Ph.D scholars of NITW to work in RCI Laboratories.

ii) Texas A&M Agrilife Research, Texas, USA: The areas of cooperation are:

a) Exchange of faculty, researchers and administrative staff, b) Exchange of students, c) Collaborative research projects, d) Jointly conducting seminars and symposia. The departments of Civil Engineering and other related departments or centres are associated with this MOU.

iii) Apollo Computing Laboratories (PVT) Ltd., Hyderabad (ACL): This MOU envisages the following: a) providing research interactions and industrial exposure for the M.Tech and Ph.D students of NITW at ACL b) conducting joint short term courses, seminars and symposia c)Campus recruitment of students and research scholars by ACL d) Evaluation and certification of projects and products of ACL by faculty of NITW e) joint publications including books, monographs and review articles f) identifying suitable projects and providing support for mutual benefit. The departments of ECE and other related departments of NITW are associated with this MOU.

iv) Central Manufacturing Technology Institute, Bangalore (CMTI): The primary objectives of this MOU are a) To start a joint M.Tech programme in Additive Manufacturing b) Collaborative research and development activities in the fields of manufacturing engineering, product design and computer integrated manufacturing
c) Training NITW faculty at CMTI in advanced manufacturing d) enabling CMTI scientists to pursue doctoral studies at NITW on part time basis. The departments of Mechanical Engineering and other related departments are associated with this MOU.

2. IPR Cell : The IPR Cell facilitates filing of patents and other IPR by way of recommending for financial assistance for hiring patent attorneys and other consultants for documentation services, official fees and service charges. The Institute provided separate budget to promote filing of applications for patents and other IPR.

New Patent filed: A new patent has been filed on the name of NITW in the patent office, Chennai. The title of the patent is,' Process for production of nanosize iron oxide pigment'. The inventors are Dr. Sirish Sonowane, Associate Professor of the Chemical Engineering Department, Niraj Sikhwal and Aditya Deshmukh, M.Tech final year students of the Chemical engineering Department.

3. NITW- Lakshya Foundation Student Innovation Projects:

Under this scheme the students of B.Tech and M.Tech programmes of NIT Warangal are sanctioned a financial assistance of Rs. 40,000/- per each project after a selection process by the selection committee with an external expert from the industry as its chairman. During this year a total of five projects have been sanctioned under this scheme. The details are as follows.

S.No	Title of the project	Names of the students	Branch of specialization and year of study
1	Hybridised three wheeler	1.Manu Khandelwal 2 Vaibhav Awachat	B.Tech, Mechanical Engineering, 2nd year
2	Mapping genomic systems subjected to stress and potential biomedicines to facilitate therapies of pathogenic, genetic and environmental origin	Areej Shah, Sweche, Rohit S Ashok	B.Tech Biotechnology 3rd year
3	Pneumatic weight carrying systems	Swachith Lal	M. Tech, MME 1st Year
4	Stair Case Climber	Syed Faisal	B.Tech, Mechanical Engineering, 2nd year
5	Mind controlled applications and devices	Rohit Rangwani	B.Tech, E.C.E 2nd Year

4. Workshops Organized: 2

S. No.	Title of the Programme	Period	For whom arranged (and Numbers)	Main Sponsor	Name of the Coordinator
1	Innovations in materials and Processes and Transfer of technologies to industry	17-19 October 2013	For Faculty members, Research Scholars of NIT Warangal(70)	TEQIP-Phase II	Prof. B. V. Appa Rao Prof. M.K. Mohan
2	Innovations in electrochemical science and technology	10-14 December 2013	For Faculty members, Research Scholars of NIT Warangal(50)	TEQIP-Phase II	Prof. B. V. Appa Rao Dr.K.V.Gobi

CENTRE FOR AUTOMATION AND INSTRUMENTATION

1. CONTINUING EDUCATION PROGRAMMES ORGANISED

A. Training programmes

S. No.	Title of the Programme	Period		For whom arranged (and Numbers)	Main Sponsor	Name of the Coordinator
		From	To			
1	National Work Shop on Embedded Systems for Automation and Instrumentation	12.12.14	14.12.14	Faculty and Research Scholars from various Local Universities	N I T Warangal	Dr. T. Kishore Kumar & K.V. Sridhar
2	National Workshop on Innovations in Electrochemical Science and Technology (IEST)	10.12.13	14.12.13	Faculty and Research Scholars from various Local Universities	N I T Warangal	Prof. B.V. Appa Rao & Dr. K.V. Gobi

B. Summer Winter Schools / Seminars / Short – Term Courses Organised

ii) National

S. No.	Title of the Programme	Period		For whom arranged (and Numbers)	Main Sponsor	Name of the Coordinator
		From	To			
1	Guest Lecture Series By **Prof. Madhan Guptha,** University of Saskatchewan, Canada	10.01.14	11.01.14	Faculty and Research Scholars from various Local Universities	N I T Warangal	J Ravi Kumar & Dr. T. Kishore Kumar

2. RESEARCH PROJECTS

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
NIL				

ii) Ongoing

Name of the Project	Name of the Coordinator(s)	Sanction Letter and Date	Amount sanctioned (Rs. in lakhs)	Funding Agency
Development of Nano-organized Electrochemical Impedance Immunosensors for Detecting Trace Levels of Explosives and Biowarfare Agents	**Dr. K. V. Gobi**	March 2012	19.66	Defence Research and Development Organization (DRDO)

3. RESEARCH PUBLICATIONS / PRESENTAIONS

A. Publications

i) Peer – Reviewed International Journal Publications

S. No.	Authors (*)	Title of the Paper	Journal Details (Journal, Year, Vol., pp)
1	K. Koteshwara Reddy, **K. Vengatajalabathy Gobi***	Artificial molecular recognition material based biosensor for creatinine by electrochemical impedance analysis	Sensors and Actuators B 183 (2013) 356– 363
2	M. Satyanarayana, K. Koteshwara Reddy, **K. Vengatajalabathy Gobi***	Multiwall Carbon Nanotube Ensembled Biopolymer Electrode for Selective Determination of Isoniazid in-vitro	Analytical Methods, 6 (2014) 3772-3778
3	M. Satyanarayana, **K. Vengatajalabathy Gobi**	Electrochemical Detection of Isoniazid Using Carbon nanotubes-Chitosan Biocomposite modified electrode	Proceedings of Fifth ISEAC Triennial International Conference on Advances and Recent Trends in Electrochemistry (ELAC) (2013) 449 - 454
4	K. Koteshwara Reddy, **K. Vengatajalabathy Gobi***	Electrochemical and Electrocatalytic Investigations of Thin Films of Nano Au Bioconjugates of Cytochrome c for Detection of Superoxide Dismutase Enzyme	Proceedings of Fifth ISEAC Triennial International Conference on Advances and Recent Trends in Electrochemistry (ELAC) (2013) 572-575
5	M. Satyanarayana, K. Yugender Gou, **K. Vengatajalabathy Gobi***	Highly sensitive nanocomposite based electrochemical sensor for determination of serotonin in the presence of dopamine, ascorbic acid and uric acid	Proceedings of the Eleventh ISEAC International Discussion meet on Electrochemistry and its Applications (11th ISEAC-DM) (2014)

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

B. Presentations in Conference / Symposia etc.,

i) International Presentations

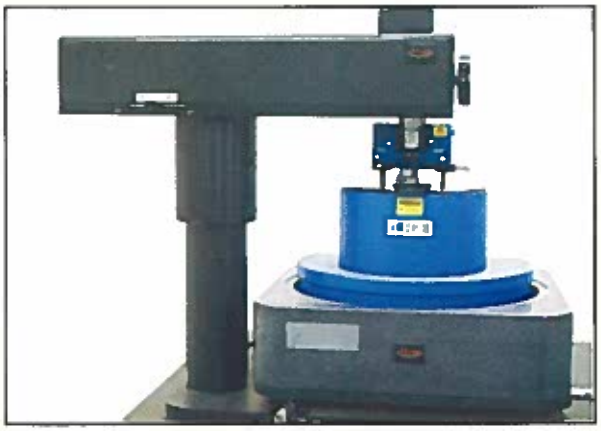
S. No.	Authors (*)	Title of the Paper	Oral / Poster	Event Details (Event, Place, Dates)
1	M. Satyanarayana, K. Yugender Gou, **K. Vengatajalabathy Gobi***	Highly sensitive nanocomposite based electrochemical sensor for determination of serotonin in the presence of dopamine, ascorbic acid and uric acid	Oral Presentation	Eleventh ISEAC International Discussion meet on Electrochemistry and its Applications (11th ISEAC-DM-2014) , Feb 20-25, 2014, Radison Blue Hotel, Amritsur, Punjab

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

4. Major Equipment (Costing Rs. 1 lakh and more)

S. No.	Name of the Equipment	Book Value	Year of Acquisition	Main Application(s)
1	Online 15KVA UPS	5,40,581	2013	For uninterrupted power supply
2	Liquid Chromotography High Mass Spectrometer	1.23 Crore	2013	Molecular structure of petroleum components, industrial products can be judged. Purity of the finished chemical industry be established

ऑटोमेशन व इंस्ट्रूमेंटेशन केंद्र
CENTRE FOR AUTOMATION & INSTRUMENTATION (CAI)



एटेंमिक फ़ोर्स माइक्रोस्कोप
Atomic Force Microscope (AFM)



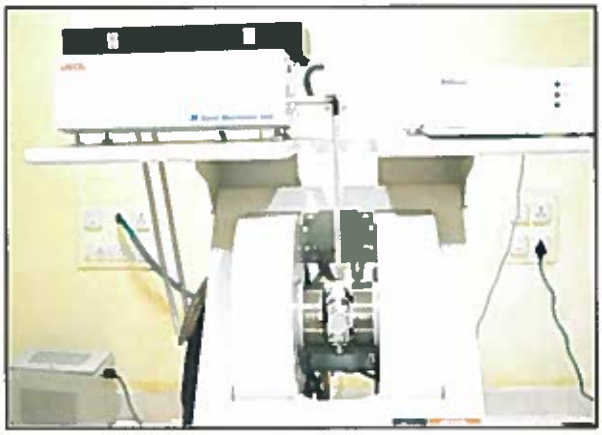
डायनामिक मैकेनिकल अनलाइजर
Dynamic Mechanical Analyser (DMA)



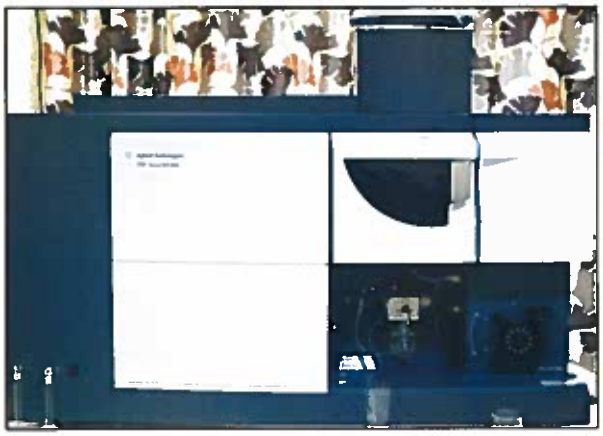
डिफरैशियल स्कैनिंग कैलोरीमीटर
Differential Scanning Calorimeter (DSC)



इलेक्ट्रो केमिकल वर्क स्टेशन
Electro Chemical Work Station

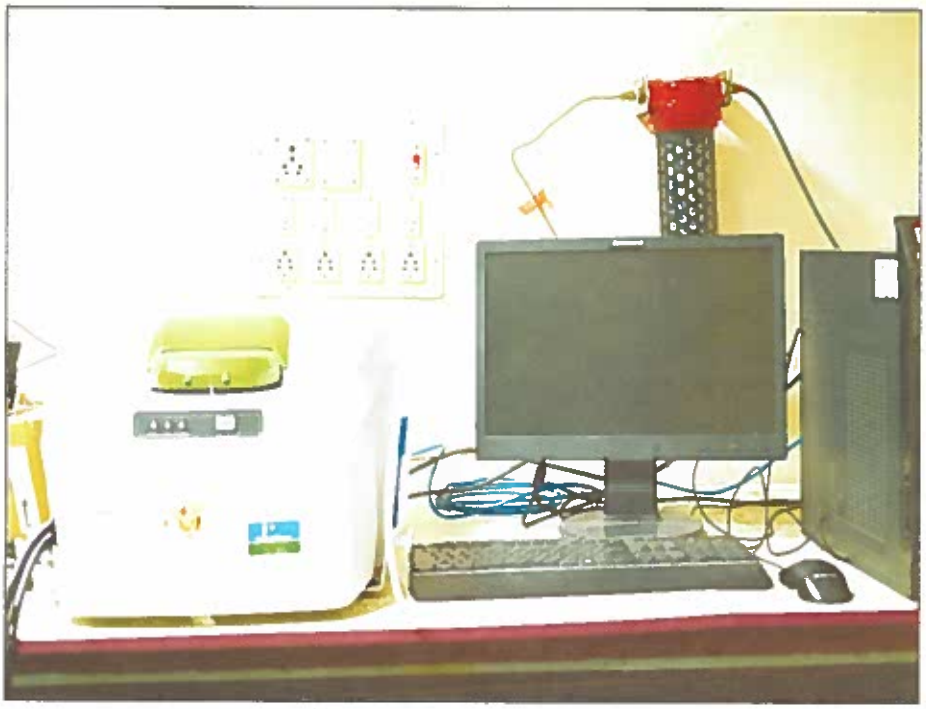


ESR स्पेक्ट्रोमीटर
ESR Spectrometer

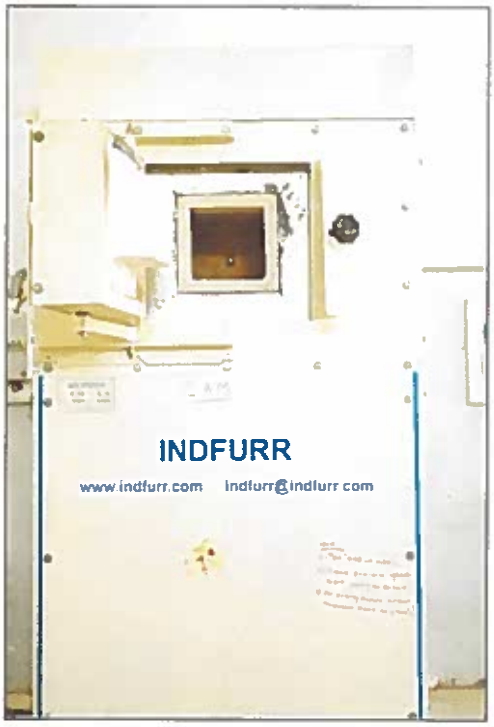


इंडक्शन कपल्ड प्लाज्मा ऑप्टिकल एमिशन स्पेक्ट्रोमीटर
Induction coupled Plasma Optical
Emission Spectro Meter (ICPOES)

एडवांस्ड मैटेरियल्स केंद्र
CENTRE FOR ADVANCED MATERIALS (CAM)



डिफरैशियल स्कैनिंग कैलोरीमीटर
Differential Scanning Calorimeter (DSC)



मुफ्फले फर्नेस
Muffle Furnace

4	X-Band Electron Spin Resonance (ESR) Spectrometer	1 Crore	2013	Structure and atomic arrangement in molecules and crystals can be investigated. Magnetic transitions accompanying temperature variation can be studied. Surface alterations due to corrosion or alloying can be monitored
5	Inductively Coupled Plasma Optical Emission Spectrophotometer (ICP-OES)	50,00,000	2013	The best quantitative technique known so far. Nearly 80 elements in any physical form can be detected quantitatively to a level down to 0.001 parts per trillion (ppt). All kinds of matter. Absolute chemical composition of any material

5. RESEARCH GUIDANCE

A. Under-going

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	K. Koteshwara Reddy	Dr. K. V. Gobi	Full time	GATE	Development of Electrochemical Sensors for Vital Biomarkers
2	Satyanarayana M.	Dr. K. V. Gobi	Full time	GATE	Electrochemical sensors for the detection of Pharmaceutical Compounds
3	Yugender Goud K	Dr. K. V. Gobi	Full time	DRDO	Development of Nano-organized Electrochemical Impedance Immunosensors for Detecting Trace Levels of Explosives and Biowarfare Agents

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, 2013-2014:

1. Programs for Faculty Development					
a) Conducted at NITW					
S. No	Workshop	Department	From	To	Co-ordinator
1	Expert Lecture by Prof. K Giridhar, ECE, IIT Madras	Electronics & Comm. Engg. Dept.	04.04.13	04.04.13	Dr. Venkata Mani
2	One day workshop on "New Paradigms in Manufacturing"	Mechanical Engg. Dept.	03.05.13	03.05.13	Prof L. Krishnannad
3	Three Day Workshop on "Power Control and Energy Management"	Electrical Engg. Dept.	09.05.13	11.05.13	Prof. D M Vinod Kumar Dr. B L Narasimharaju
4	Three Day Workshop on "Speech Signal Processing"	Electronics & Comm. Engg. Dept.	10.05.13	12.05.13	Dr. T Kishore Kumar (Associate Professor)
5	Two days "VLSI DSM Mixed signal IC Design flow employing latest Cadence tools"	Electronics & Comm. Engg. Dept.	23.05.13	24.05.13	Dr. Sreehari Rao Patri
6	one day Special invited lectures by the experts from industry during 30th May 2013	Mechanical Engg. Dept.	30.05.13	30.05.13	Prof. L Krishnanand
7	One day seminar on "Advances and Challenges in Microprocessor Architectural Developments"	Physics Department	31.05.13	31.05.13	Prof. L Ram Gopal Reddy
8	Seminar on "Advances and Challenges in Microprocessor Architectural Developments"	Physics Department	31.05.13	31.05.13	Prof. M Sai Shankar
9	Five Day workshop on "Navigating New Frontiers in Materials"	Metallurical & Materials Engg.	02.07.13	06.07.13	Prof.T Srinivasa Rao V Rangadhara Chary
10	Two Days National Workshop on Promoting Excellence in Research among NITs Through eE-Journals	Library	12.07.13	13.07.13	R. Sammi Reddy
11	Three Day workshop on "Teaching and Evaluation Methods for Effective Learning"	Chemistry Department	15.07.13	17.07.13	Dr Ajey Kumar Patel
12	Three Day workshop on "Teaching And Evaluation Methods For Effective Learning"	Chemistry Department	15.07.13	17.07.13	Prof.B.V. Appa Rao
13	Guest Lectures delivered on the course "Project Management" by the members of PMIPCC, Hyderabad	Civil Engg. Dept.	03.08.13	---	Prof. CSRK Prasad
14	Five day Workshop on "Computational Research Techniques in Design and Thermal Engineering"	Mechanical Engg. Dept.	07.08.13	11.08.13	Dr K Kiran Kumar & Srikanth K
15	National Workshop on Developing Suitable Pedagogical Method for Various classes	Computer Science and Engg. Dept.	09.08.13	10.08.13	Prof. D V L N Somayajulu
16	Workshop on Big Data and SDM	Computer Science and Engg. Dept.	12.08.13	12.08.13	Prof. DVLN Somayajulu

17	Lecture programme by Dr V Ch V Rao on "Distributed Systems and fuide"	Computer Science and Engg. Dept.	22.08.13	23.08.13	Prof. D V L N Somayajulu
18	Lecture programme by Dr P Radha Krishna, Infosys Hyderabad on "Business Intelligence" for M. Tech. (CSE) and MCA III year students	Computer Science and Engg. Dept.	06.09.13		Prof.D V L N Somayajulu
19	Discussion meeting on "Salient features of the programme and expectations from the RuTAG Centres by Sri S Chatterjee, Scientific Consultant, Office of PSA Govt of India.	Civil Engg. Dept.	11.09.13	12.09.13	Prof Deva Pratap
20	One Day Workshop on "outcome based engineering education for enhanced employability"	Deans Office	14.09.13	14.09.13	Prof T Ramesh
21	Lecture programme by Dr B D C N Prasad on "MLCGT" for MCA I Year Students	Computer Science and Engg. Dept.	14.09.13	14.09.13	Prof.D V L N Somayajulu
22	National workshop on "Primary Computational methods for Chemical Research (PCMCR)"	Chemistry Department	20.09.13	22.09.13	Prof. A. Ramachandraiah & Prof. K. Laxma Reddy
23	Lecture programme on "Software Engineering" by Dr P Anjenyulu, Infosys Bangalore, for M.Tech (CSE) Students.	Computer Science and Engg. Dept.	22.09.13	28.09.13	Prof.D V L N Somayajulu
24	"Graphical System Design Approach for Research in Power Systems, Power Electronics & Communications	Electrical Engg. Dept.	03.10.13	04.10.13	Prof D V S S Siva Sharma
25	Five-Day Continuing Education Programme on Advanced Wireless and Mobile Network Technologies	Computer Science and Engg. Dept.	03.10.13	07.10.13	Rashmi Ranjan Rout
26	3 day workshop on "Innovations in Materials and Processes and transfer of technology to industries	Centre for Innovation & Incubation	17.10.13	19.10.13	Prof B V Appa Rao and Prof.M K Mohan
27	National Workshop On Modeling, Simulation and optimization of Bioprocesses	Bio-Technology	04.10.13	06.10.13	Dr.R.Satish Babu
28	Five day workshop on "Power Electronic Applications"	Electrical Engg. Dept.	14.10.13	18.10.13	Dr Udaya Bhaskar Manthati & Smt S P Selvi
29	Three Day National Workshop on :Advances in Computational Fluid Dynamics: Method and Application"	Mechanical Engg. Dept.	17.10.13	19.10.13	G R K Gupta, Dr G Nagasrinivasulu and V R K Raju
30	Three Day workshop on "Modeling, Simulation and Optimization of Manufacturing Systems"	Mechanical Engg. Dept.	17.10.13	19.10.13	Prof N Selvaraj and Dr. P S C Bose
31	Lecture programme by Dr P Radha Krishna on "Business Intelligence" for M. Tech. (CSE) and MCA III Year Students	Computer Science and Engg. Dept.		18.10.13	Prof.D V L N Somayajulu
32	Five Day Workshop on "Computational Methods in Engineering and Science"	Mathematics Department	21.10.13	25.10.13	Dr D Srinivasacharya
33	National workshop on "Modern instrumental methods of inorganic chemical analysis of engineering materials (MIMICAEM)"	Chemistry Department	22.10.13	26.10.13	Prof. A. Ramachandraiah & Prof. K. Laxma Reddy
34	3 Day Workshop on "Research Promotion Workshop on Introduction to Graph"	Computer Science and Engg. Dept.	23.10.13	25.10.13	Dr. RBV Subramanyam

35	Lecture programme by Dr V Ch V Rao on "Distributed Systems and fuide" students for their B.Tech Project	Computer Science and Engg. Dept.	24.10.13	28.10.13	Prof.D V L N Somayajulu
36	Two Day Workshop on "Model Based Digital PWM Control Techniques for Power Electronics Applications"	Electrical Engg. Dept.	25.10.13	26.10.13	Dr S Srinivasa Rao & Dr B L Narasimharaju
37	2 day workshop on "Environmental Biotechnology & Sustainability"	Bio-Technology	25.10.13	26.10.13	Mr K Narasimhulu & Mr. Onkara Perumal P
38	Lecture programme by Prof K Babu Rao on "Information Systems Control and Audit" for M.Tech (IS) Students	Computer Science and Engg. Dept.	25.10.13	26.10.13	Prof.D V L N Somayajulu
39	Advanced Course on "Aerospace Materials" for M.Tech Student by Dr V V Satya Prasad, Dr G Madhusudhan and Dr V Gopalakrishna	Metallurical & Materials Engg. Dept.	26.10.13	26.10.13	Prof. G V S Nageswara Rao
40	Lecture programme by Prof K Babu Rao on "Information Systems Control and Audit" for M.Tech (IS) Students	Computer Science and Engg. Dept.	29.10.13	30.10.13	Prof.D V L N Somayajulu
41	Lecture programme by Dr P Radha Krishna on "Business Intelligence" for M.Tech (CSE) and MCA III Year Students	Computer Science and Engg. Dept.	30.10.13	30.10.13	Prof.D V L N Somayajulu
42	National Workshop On "Factory Physics"	Mechanical Engg. Dept.	31.10.13	02.11.13	Dr. P Subhash Chandra Bose
43	3 Day Workshop on "Advanced Materials and Machining"	Mechanical Engg. Dept.	31.10.13	02.11.13	Dr N Venkaiah
44	National Workshop On Advanced Materials and Machining(AMM)	Mechanical Engg. Dept.	31.10.13	02.11.13	Prof. A. Venu Gopal, Dr. N. Venkaiah & Dr. P. S. C. Bose
45	Expert Lectures on advanced topics useful for PG Students and PhD Scholars and faculty by Dr V Satya Prasad, Dr Gupta, Dr Shashi Shekharam and Dr T K Nandy, DMRL, Hyderabad.	Metallurical & Materials Engg.	01.11.13	01.11.13	Prof G V S Nageswara Rao
46	Advanced Course on "Aerospace Materials" for M.Tech Student by Dr T K Nandy, Dr Amit Bhattacharjee and Dr Gupta	Metallurical & Materials Engg.	02.11.13	02.11.13	Prof. G V S Nageswara Rao
47	Lecture programme by Dr Srinivas Padmanabhni on "Software Engineering" for B.Tech III year Students	Computer Science and Engg. Dept.	06.11.13	07.11.13	Prof.D V L N Somayajulu
48	Three day Workshop on "Recent Trends in Devices Materials"	Chemistry Department	08.11.13	10.11.13	Dr T Venkata Appa Rao, Dr P Abdul Azeem & Dr Syam Prasad
49	National Workshop on "Recent Advances in Synthesis and Medicinal Applications of Heterocyclic Compounds"	Chemistry Department	08.11.13	10.11.13	Prof V Rajeswar Rao & Dr D Kashinath
50	Guest Lecture by Mr P Givinda Rajulu, Application Engineer ERICSSON Bangalore on "Communication Skill Development" for final year UG and PG students	Electronics & Communication Engg. Dept.	08.11.13	08.11.13	Prof N V S N Sarma
51	3 day workshop on "Modelling Simulation and Optimization of Bioprocesses"	Biotechnology	08.11.13	10.11.13	Dr R Satish Babu

52	Lecture programme by Prof K Babu Rao on "Information Systems Control and Audit"(for M.Tech (IS) Students	Computer Science and Engg. Dept.	09.11.13	09.11.13	Prof.D V L N Somayajulu
53	Guest Lecture by Dr B Kameswara Rao	Civil Engg. Dept.	13.11.13	13.11.13	Dr P Rathish Kumar
54	Guest Lecture by Prof Clara M Goncalves Professor of Chemical and Materials Engineering from IST Portugal	Chemical Engg. Dept	15.11.13	15.11.13	Dr Shirish Sonawane
55	Visit of Prof Clara M Goncalves, Professor of Chemical and Materials Engineering from IST Portugal	Chemical Engg. Dept.	15.11.13	22.11.13	Dr S Srinu Naik and Dr Shirish Sonawance
56	Guest Lecture by Dr B.D Kulkarni former Director, NCL Pune and Distinguished Scientist of Chemical Engineering	Chemical Engg. Dept.	15.11.13	18.11.13	Dr Shirish Sonawane
57	Two day International Conference on "Chemcial and Bioprocess Engineering"	Chemical Engg. Dept.	16.11.13	17.11.13	Dr. Shirish Sonawane & Dr. Srinu Naik S
58	Lecture programme by Prof K Babu Rao, Adjunct Professor on Information Systems Control and Audit for M.Tech IS studnets	Computer Science and Engg. Dept.	22.11.13	22.11.13	Prof.D V L N Somayajulu
59	Guest Lecture by Prof Ganapathi Panda, IIT Bhubaneswar in the area of "Advanced Signal Processing and Optimization" to faculty, PG students and research students of ECE	Electronics & Communication Engg. Dept.	27.11.13	28.11.13	Prof N V S N Sarma
60	Guest Lecture by DR Rene Gree	Chemistry Department	29.11.13	29.11.13	Prof B Rajitha
61	5 day workshop on "Mathematical Modelling in Engineering"	Mathematics Department	02.12.13	06.12.13	Dr A Benerji Babu
62	Five Day Workshop on "Advances in Electron Microscopy"	Metallurical & Materials Engg.	09.12.13	13.12.13	Dr C Vanitha, Mr V R Chary, Dr Asit Kumar Khanra & Dr N Narasaiah
63	Five day workshop on "Innovation in Electrochemical science and Technology"	Chemistry Department	09.12.13	13.12.13	Prof B V Appa Rao Dr K V Gobi
64	Three Day Workshop on "Embedded Systems for Automation and Instrumentation" for Teaching faculty and Research scholars	Electronics & Comm. Engg. Dept.	12.12.13	14.12.13	Dr T Kishore Kumar
65	Three Day Workshop on "Go Green Generation Fuels"	Mechanical Engg. Dept.	12.12.13	14.12.13	Prof G Amba Prasad Rao, Dr A Veeresh Babu and Dr G Naga Srinivasulu
66	Workshop on "Geotechnical And Material Aspects Of Pavements (GMAP 2013)"	Civil Engg. Dept.	13.12.13	14.12.13	Dr.Mohammad Ali, Dr.M.Heeralal & Dr.S.Shankar
67	Workshop on "Modern Statistical Techniques & Information Security"	Mathematics Department	19.12.13	21.12.13	Prof Debashis Dutta and Prof Selvaraj
68	One Day Seminar on "Recent Advances in Development, Processing, Characterization and Applications of Steels and Non-Ferrous Metals	Metallurical & Materials Engg.	27.12.13	27.12.13	Prof. M K Mohan
69	Emerging Trends in Genetic Engineering (ETGE-2013)	Bio-Technology	27.12.13	29.12.13	Dr.P.Sreenivasa Rao

70	Visit of Tirupathi R Chandrupatla, Professor and Founding Chair of Mechanical Engineering at Rowan University, Glassboro New Jersey USA	Mathematics Department	09.01.14	09.01.14	Prof Kasi Viswanadham
71	Three Day National Workshop on "Friction Stir Welding, NDT and Optimization"	Mechanical Engg. Dept.	09.01.14	11.01.14	Dr. A. Kumar , Dr. V. Suresh Babu and Dr. R. N. Rao
72	Three day workshop on "Creative Design & Rapid product Development Technologies"	Mechanical Engg. Dept.	29.01.14	31.01.14	Dr. Y Ravi Kumar and Dr. Srikanth K
73	Expert lecture on "Urban Storm water Management" by Prof Gerger to M. Tech. (Env Engg. And WRE) Students.	Civil Engg. Dept.	25.01.14	25.01.14	Prof Chandra Sekhar
74	Workshop on "Geo-Risks And Remedies (GRR 2014)"	Civil Engg. Dept.	31.01.14	31.01.14	Dr.Mohammad Ali, Dr.M.Heeralal,Dr.P.Hari Krishna and Dr.V.Ramana Murty
75	Five day training program on "Teaching Methodologies for effective Learning"	Centre for Innovation & Incubation	05.02.14	09.02.14	Prof.B V Appa Rao & Prof. IAK Reddy
76	Guest Lecture series on "Intelligent Control Systems Theory and Appications"	Electronics & Comm. Engg. Dept.	10.02.14	11.02.14	Dr. Ravi Kumar Jatoth
77	Guest Lecture by Dr N.S.C. Babu Executive Director, CDAC, Bangalore for benefit of UG and PG Students	Electronics & Comm. Engg. Dept.	07.03.14	07.03.14	Prof.N V S N Sarma
78	Two day workshop on "Mobile Programming and open source software (MP&OSS-NITW-2014)"	Electronics & Comm. Engg. Dept.	14.03.14	15.03.14	S K L V Sai Prakash, Dr.N Bheema Rao
79	Two Day workshop on "Open Source Software (OSS-NITW-2014)"	Electronics & Comm. Engg. Dept.	14.03.14	15.03.14	S K L V Sai Prakash and Dr. N Bheema Rao
80	3 days Symposium on "Transportation Young Researches Symposium (TYRES-2014)	Civil Engg. Dept.	27.03.14	29.03.14	Prof .CSRK Prasad, Dr.Venkaiah Chowdary, Dr.KVR Ravi Shankar, Dr. S.Shankar, Mr.Arphan Mehar and Dr.P.Sasanka Bhusan

b) Programs attended by NITW Faculty at other Institutes in India

S. No	Workshop	Department	From	To	Co-ordinator
1	Technical discussion on CARS project at RCI, Hyderabad	Electronics & Comm. Engg. Dept.	15.04.13	15.04.13	Dr T Kishore Kumar (Associate Professor)
2	Three-day Continuing Education Program (CEP) on solar thermal power organised by IIT bombay, Mumbai.	Electrical Engg. Dept.	29.04.13	01.05.13	Dr Sailaja Kumari
3	Training course on microwave remote sensing applications organized by national remote sensing centre, hyderabad.	Civil Engg. Dept.	20.05.13	31.05.13	Dr Shashi M
4	One week short term training program on Finite Element Method with hands on Altair Hyperworks at MNIT, Jaipur	Mechanical Engg. Dept.	03.06.13	07.06.13	Dr. V Suresh Babu
5	Consultancy Project and Reseach activity with Dr. Chanda Murthy, Asst. Prof. in ECE, IISc, Bangalore	Electronics & Comm. Engg. Dept.	07.06.13	07.06.13	Dr.Venkata Mani
6	Faculty Development Program on "Antenna Design conducting by M/s Silicon Micro Systems, Bangalore	Electronics & Comm. Engg. Dept.	10.06.13	30.06.13	Dr N V S N Sarma
7	Training Program on "Digital ASIC Flow and design with Synopsys EDA tools" organized by M/s Fugen Technologies, Bangalore	Electronics & Comm. Engg. Dept.	17.06.13	21.06.13	Dr.B Lakshmi
8	Training programme on "Digital ASIC Flow and design with Synopsys EDA tools" organized by M/s Eigen Technologies, Bangalore	Electronics & Comm. Engg. Dept.	17.06.13	21.06.13	Dr B Laxmi Dr P Muralidhar
9	Short-Term Faculty Development Program on "Image Processing, Computer Vision and Pattern Recognition" at NIT, New Delhi	Computer Science and Engg. Dept.	18.06.13	21.06.13	Dr U Surya Narayana Raju
10	Research school on "Current Trends in Computational Methods for PDEs" at IISc, Bangalore	Civil Engg. Dept.	24.06.13	19.07.13	Dr Ajey Kumar Patel
11	2-day General Management Training Program at ISB,Hyderabad on 25th & 26th June 2013	Civil Engineering	25.06.13	26.06.13	Prof.C S R K Prasad
12	Two day Management Training Programme to Sr. faculty and Administrative officers conducted by Indian School of Business (ISB, HYD.)	Civil Engg. Dept.	--	--	Prof C S R K Prasad
13	Training Programme on HEM Electrines	Electronics & Comm. Engg. Dept.	--	--	Sri V Sudhakar & Sri A Nagabushanam
14	Faculty Development Programme on Teaching Learning Methodologies at IITM, Chennai	Computer Science & Engg. Dept.	11.07.13	12.07.13	Smt Padmavathi R

15	2-day workshop on "Collaborative Research & Funding Opportunities " at Bangalore	Metallurical & Materials Engg.	23.07.13	25.07.13	Prof G V S Nageshwara Rao
16	Big Data Bootcamp Programme organized by Global Big Conference at Hyderabad	Computer Science & Engg. Dept.	02.08.13	04.08.13	Prof RBV Subramanyam
17	NBA Awareness Workshop at NIT, Suratkal	--	22.08.13	25.08.13	Prof N V S N Sarma, Prof Y Pydisetty, P Nageswara Rao & Prof D V L N Somayajulu
18	Conclave for Enhancing Quality of Technical Education and Reseach at IIT, Hyderabad	--	30.08.13	31.08.13	Prof N Subrahmanyam, Dr. CB Rama Rao, A Prakasha Rao, P Muralidhar, Dr. P Srihari Rao, Dr. RBV Subramanyam, Dr.R Padmavathi, Dr.U S N Raju and Rashmi Ranjan Rout
19	Discussion Meeting with Dr. Nagees Meah, Director, Research Council of UK for possible research colloborations with UK University, at Hyderabad	Civil Engg. Dept.	30.08.13	30.08.13	Prof C S R K Prasad
20	Discussion Meeting regarding R&D activities, Joint Workshops, Training for faculty with TCS experts at Hyderabad	Computer Science and Engg. Dept.	13.09.13	13.09.13	Prof DVLN Somayajulu
21	Short-Term Course on Recent Advances in Network Algorithms at IIT, Guwahati	Computer Science and Engg. Dept.	10.09.13	13.09.13	Dr Rashmi Ranjan Rout
22	Workshop on Review of National Urban Transport Policy - 2006 on 05.09.2013	Civil Engg. Dept.	05.09.13	07.09.13	Prof C S R K Prasad
23	Workshop on "Quality Initiatives in Technical & Higher Educational Institutions" by ESCI, Hyderabad	--	16.09.13	18.09.13	Prof C B Kameswara Rao, Prof P Anandraj, Prof N Subrahmanyam, Prof D V S Siva Sharma, Prof L Krishnanand, Prof P Bangaru Babu, Dr M J Davidson, Sri M V Raghunath, Dr K V Sridhar, Sri Ananda Kishore, Dr K Ramesh, Dr RBV Subramanyam, Dr P Srinivasa Rao
24	Workshop on "Quality Initiatives in Technical & Higher Education Institutions" by ESCI, Hyderabad (The Engineering Staff College of India)	--	16.09.13	18.09.13	13 Sr Faculty from various departments
25	Two- day Intel India Academic Forum at Goa and To present Two Papers in the International Conference on advanced Electronic Systems sponsored by IEEE and organized by CEERI, Pilani	Electronics & Comm. Engg. Dept.	17.09.13	24.09.13	Sri K Ravi Kishore
26	MoU Meeting with ECIL, Hyderabad in connection with entering into MoU with NITW	Electronics & Comm. Engg. Dept.	17.09.13	17.09.13	Prof N S Murthy & Prof NVSN Sarma

27	Three-day residential programme on Domestic Enquiry, Disciplinary Action and Descipline	--	19.09.13	21.09.13	Prof A Ramachandra Reddy, Prof G Radhakrishnamacharya, Dr M. Sailaja Kumari
28	EMC Discovery Day at Bangalore	Computer Science & Engg. Dept.	23.09.13	23.09.13	Sri Sudhakar Ch
29	One Week DST Training Program on Science, Governace and Management at Mussoorie, Uttarakhand	Civil Engg. Dept.	23.09.13	27.09.13	Dr Chandrasekhar M
30	Signing MoU with CDAC and discuss various collaborative projects at Bangalore	Computer Science & Engg. Dept.	23.09.13	24.09.13	DVLN Somayajulu
31	TEQIP Innovative meet at Institute of Chemical Technology (ICT), Mumbai	--	25.09.13	27.09.13	Prof IAK Reddy Dr A Venu Vinod Sri O Perumal
32	Short-Term Course on Matrix Methods of Strutural Analysis at IIT, Delhi	Mechanical Engg. Dept.	27.09.13	27.09.13	Dr Hari Kumar V
33	2-day training program on "Product Design and Development equipment" in National Institute of Design Ahmedabad	Mechanical Engg. Dept.	03.10.13	04.10.13	Dr Srikanth Korla
34	Interaction meeting with Prof P Reddanna, Director National Institute of Animal Biotechnology (NIAB)	Bio-Technology	11.10.13	11.10.13	DR P Sreenivasa Rao, V. Kohila and Dr Asim Bikas Das
35	Visiting M/s Grauver and Wel (Growel) India Ltd., Dr. Aradhye, Head, R&D, ICT Mumbai	Chemical Engg. Dept.	15.10.13	16.10.13	Dr Sonawane Shirish Hari, Sri K Anand Kishore and Sri S Srinath
36	National Knowledge Network (NKN) Workshop at Bangalore	Computer Science & Engg. Dept.	17.10.13	18.10.13	Rashmi Ranjan Rout
37	Project Review Workshop for assessing the progress of the TEQIP-II at Bangalore	TEQIP	24.10.13	24.10.13	N S Murhty & P Ravi Kumar
38	Five day National Workshop on Challenges in Big data Research at MNIT Jaipur	Computer Science & Engg. Dept.	08.11.13	13.11.13	Dr U S N Raju
39	Training program on "Real Time Simulator training fir Drives, Controls, Power Electronics and Power Systems" being organized by M/s Opal RT	Electrical Engg. Dept.	23.12.13	27.12.13	Dr M Sailaja Kumari & Dr. Sachin Jain
40	J.P Morgan Technology Workshop at Hyderabad	Computer Science & Engg. Dept.	15.11.13	15.11.13	Prof DVLN Somayajulu & Dr RBV Subramanyam
41	International Conference for Paper Presentation	Chemical Engg. Dept.	15.11.13	21.11.13	Anjireddy Bhavanam
42	Two Day Workshop on "Grounding Practices organized by CPRI, Bangalore	Electrical Engg. Dept.	23.11.13	24.11.13	Dr A V Giridhar
43	International Conference for Paper Presentation	Chemical Engg. Dept.	28.11.13	30.11.13	B Sujan Kumar
44	International Conference for Paper Presentation	Chemical Engg. Dept.	28.11.13	30.11.13	G Srinivas
45	International Workshop on "Machine Learning Text Analytics" organized by South Asian University, New Delhi	Computer Science & Engg. Dept.	16.12.13	24.12.13	Dr K V Kadambari

46	5th IEEE International Conference on Technology for Education at IIT Kharagpur	--	17.12.13	20.12.13	Prof L Krishnanand Prof D V S S Siva Sarma Prof D V L N Somayajulu & Dr T Kishore Kumar
47	Visited M/s Ananth Technologies, Hyderabad in connection with FPGA designs and implementations of systems on chip solution for M.Tech project dissertations and other technical collaborations	Electronics & Comm. Engg. Dept.	26.12.13	26.12.13	Prof N S Murthy and Prof NVSN Sarma
48	3-day workshop on "Designing Specifying and Constructing With Modern Concrete" organized by Engineers Development Council, New Delhi	Civil Engg. Dept.	26.12.13	30.12.13	Heera Lal
49	Microsoft Academic Accelerator Launch Programme at Hyderabad	Computer Science & Engg. Dept.	16.01.14	16.01.14	Prof DVLN Somayajulu
50	Visited CMTI and 3DP systems at Bangalore in connection with initiatives to start a centre of excellence	---	03.02.14	04.02.14	Prof T Srinivasa Rao Director, Prof L Krishnanand - MED, Prof Ch Surya Prakash Rao - MED, Prof A Venu Gopal - MED, N Venkaiah - MED and Dr Y Ravi Kumar - MED
51	One-day workshop on "Commercializing R&D Concepts" at ISB Hyderabad	Civil Engg. Dept.	04.02.14	04.02.14	Prof C S R K Prasad
52	National workshop on "Formulation of research & Development initiatives for womaen scientists" was conducted by ESCI hyderabad	ECE & mathematics	05.02.14	07.02.14	Dr V V Mani and Dr H P Rani
53	Two day workshop on "Sustainable Urban Transportation" at IITM, Chennai	Civil Engg. Dept.	13.02.14	14.02.14	Prof C S R K Prasad
54	Discussion meeting and Signing MoU, CDAC at Bangalore	Computer Science & Engg. Dept.	15.02.14	15.02.14	Prof D V L N Somayajulu and Dr RBV Subramanyam
55	Advanced Technical Seminar on Earthing, Lighting and Electromagnetic Interference at Bangalore	Civil Engg	17.02.14	21.02.14	Dr Giridhar A V
56	Visited RCI for R & D project Discussion at Hyderabad	Electronics & Communicati on Eng.	19.02.14	19.02.14	Dr T Kishore Kumar - ECE, Dr L Anjaneyulu - ECE, Dr P Srihari Rao - ECE, Dr S Anuradha - ECE, Dr V Venkata Mani - ECE
57	Visited NPL, New Delhi to interact with the Scientists on Fuel Cells and Soar Energy	TEQIP	25.02.14	27.02.14	Prof S Srinivasa Rao - MED, Dr P Abdul Azeem - Physics, Dr G Naga Sreenivasulu - MED, Dr A Veeresh Babu- MED, Dr K Kiran Kumar - MED and Dr K V Gobi - Chemistry
58	Two day Workshop on "Land Fills - 2014" organized by IIT, Delhi	Civil Engineering	05.03.14	07.03.14	Dr M Heeralal

59	Visited for discussion on THz applications at Microwave Tube R&D Centre, Bangalore	Electronics & Comm. Eng.	06.03.14	08.03.14	Dr D Vakula (Asst Prof)
60	"Conclave on Technical Education and Research" organized by IIT Hyderabad	Mechanical Engineering	07.03.14	08.03.14	Prof L Krishnanand - MED, Prof K V Sai Srinadh - MED, Prof Amba Prasad Rao - MED, Dr V Sruresh babu - MED and Dr K Srikanth - MED
61	World Summit on Accreditation organized by National Board of Accreditation, New Delhi	---	08.03.14	11.03.14	Prof Deva Pratap-CED Prof CSRK Prasad-CED Prof N Subrmanyam-EED Prof L Krishnanad - MED Prof KSR Krishna Prasad-ECE Prof MK Mohan - MMED Sri A Sarat Babu-Chemical Prof T Ramesh - CSE
62	Training Programme on "Water Resources Management" being organized by Ministry of Drinking Water and Sanitation Govt. of India at CWRDM, Calicut.	Civil Engg. Dept.	11.03.14	14.03.14	Dr P Venkateswara Rao
63	Workshop on "Project Management (PM) education in India" organized by Larsen & Turbo ECCF and Project Management Institution (PMI) at Chennai	Civil Engg. Dept.	21.03.14	21.03.14	Prof CSRK Prasad
64	Presenting the details required by the bank audit party at NPIU, Noida, New Delhi	Central Stores	21.03.14	23.03.14	Srl S Chandrasekhar
65	AP NOW meeting at IIT, Hyderabad	CSE and MED	21.03.14	21.03.14	Prof DVLN Somayajulu, Prof A Venu Gopal and Dr RBV Subramanyam
66	One day seminar on UK Trade and Investment (UKTI) at Hyderabad	---	27.03.14	27.03.14	Prof N V Uma Mahesh, Prof DVLN Somayajulu, Prof Deva Pratap, Prof N Subrahmanyam, Prof L Krishnanand, Prof KSRK Prasad, Dr N Narsaiah, Dr A Venu Vinod, Dr K Ramesh and Prof P Nageswara Rao

c) NITW Faculty visit abroad					
S. No.	**Name of the Institution & State**	**Name and Designation of Persons who Visited abroad**	**Purpose of Visit**	**Duration of Visit**	**Remarks**
Civil Engineering Department					
1	University of Texas, Arlington, (UTA) USA	Dr P Hari Prasad Reddy (Asst. Professor)	To attend Training program	01.06.13 to 30.06.13	One Month Training
2	Instituto Superior Technico (IST) Technical University of Lisbon, Portugal	Dr S Venkateswara Rao (Asst. Professor)	To attend Training program	02.09.13 to 01.10.13	One Month Training
3	Bangkok, Thailand	Prof M Chandrasekhar (Professor)	To Present Paper entitled "Modeling Stream Water Chemistry Using River Basin Land use Characteristics" in International Conference on Energy, Environment and Sustainable Economy (EESE 2013)	01.12.13 to 04.12.13	International Conference
4	University of Texas A&M University, College Station	Deva Pratap (Professor)	To attend R&D Training	10.12.13 to 10.01.14	One Month Training
Electrical Engineering Department					
1	University of Illinois, USA	Ms Sudha Rani Donepudi (Research Scholar)	To present a paper at annual IEEE Power and Energy Conference	28.02.14 to 01.03.14	Paper Presentation
Mechanical Engineering Department					
1	University of Ontario Institute of Technology (UOIT) Oshawa, Canada	Dr G Naga Srinivasulu (Asst. Professor)	To attend training program on Biomass and advanced energy systems	01.06.13 to 30.06.13	One Month Training
2	Narvik University College, Narvik, Norway	Dr A Veeresh Babu (Asst. Professor)	To attend R & D Training program on "Sustainable Energy and Emission Control"	01.09.13 to 30.09.13	One Month Training
3	Polytechnic Institute of New York University (NYU-POLY) Brooklyn	R Narasimha Rao (Associate Professor)	To attend R&D training program	02.09.13 to 01.10.13	One Month Training
4	San Diegom California, U S A	Dr V Vasu (Asst. Professor)	To present a paper "Enhancement of Mechanical Properties of PTFE Masterbatch composites using A1203 Nano Filler" in ASME Internation al Mechanical Engineering Congress and Expositopn (IMECE-2013)	15.11.13 to 25.11.13	One week

5	San Digeo, California U S A	Dr Adepu Kumar	To Present a paper entitled "Wear and Mechanical Properties of Aluminum allloy based Hybrid composites [(Sic+Gr) and (Sic+A1203] Fabricated by Friction stir processing" in ASME International Mechanical Engineering Congress and Expsoition (IMECE-2013)	15.11.13 to 25.11.13	International Conference
6	San Diego, Califonia U.S.A.	A Venu Gopal (Professor)	To Present a paper entitled "Finite Element Simulation of cutting Forces in Turning Ti6Al4V Using Deform 3D" in ASME International Mechanical Engineering congress and Exposition (IMECE-2013)	15.11.13 to 25.11.13	International Conference
7	Singapore	A Bala Raju Research Scholar	To present a paper at the second International Conference on Mechatronic Automation and Manufacturing	19.02.14 to 20.02.14	International Conference
Electronics and Communication Engineering Department					
1	Texas Prairie View A&M University, USA	B Lakshmi (Associate Professor)	To attend Training program	16.11.13 to 17.12.13	One Month Training
2	Arizona State University, USA	Dr P Sreehari Rao (Associate Professor)	To attend R&D Training Program at School of Electrical, Computer and Energy Engineering	23.11.13 to 25.12.13	One Month Training
3	Columbus Ohio, United States	Prof N V S N Sarma (Professor)	To present a paper entitled "Numerical Analysis of EM scattered field for semicicular array elements using Artificial Neural Network" in 35th Annual Symposium of the Antenna Measurement Techniques Association (AMTA 2013)	06.10.13 to 11.10.13	International Conference
Chemical Engineering Department					
1	University of Massachusetts Amherst, Amherst MA, USA	Sri S Srinu Naik (Asst. Professor)	To attend R&D training program	31.05.13 to 02.07.13	One Month Training
2	San Diego, Califonia U.S.A.	Anjireddy Bhavanam (Research Scholar)	To present paper on "Thermogravimetric Analysis and Characterisation of yard waste as a feedstock to gasification Process"	15.11.13 to 21.11.13	Paper Presentation
Computer Science and Engineering Department					
Research Scholar					
1	Honoi, Vietnam	Mr Nagesh Bhattu Sristy	to present a paper entitled "Pairwise Feature Constraints for LDA"at SoCPaR-2013	15.12.13 to 18.12.13	Paper Presentation

Bio-Technology Department					
1	George R Brown School of Engineering, Rice University, Houston, U.S.A.	Sri K Narasimhulu (Asst. Professor)	To attend R&D Training program at Chemical and Biomolecular Engineering	23.09.13 to 22.10.13	One Month Training
Physics Department					
1	SPIE Chapter at San Diego, California, United States	Dr D Dinakar (Associate Professor)	To present a paper entitled "Remote Vibration sensor using fiber optic fused 2 X 2 Coupler" in International Conference on optomechanical Engineering 2013	25.08.13 to 29.08.13	International Conference
2	Milan Italy University of Padova Italy	Dr Sourabh Roy (Asst. Professor)	I) To present a paper in International Conference FOTONICA-2013 II) To attend training programme	21.05.2013 to 23.05.2013 & 24.05.13 to 24.06.13	International Conference & Training
Chemistry Department					
1	Division of Organic Chemistry, American Chemical Society, University of Washington, Seattle, Washington, U.S.A.	Dr K Laxma Reddy (Professor)	To present a paper entitled "Pd (II) Complexes Bearing Chromone Based Schiff Bases: Synthesis, Characterization and Biological Activity studies" at 43rd National Organic Chemistry Symposium (NOS - 2013) & to visit various universities/ labs at USA	17.06.13 to 27.06.13	International Conference
Physical Education Department					
1	Beijing, China,	Dr P Madhusudan Reddy (Physical Director)	To present a paper entitled "Study of Mental and Combined (Mental & Physical) practice on learning Motor Skills of Volleyball" at World Congress of Sports Psychology (ISSP)	21st - 25th July 2013	International Conference

Visit of Director's Delegation to U.S. Universities

1	USA.	Prof T Srinivasa Rao (Director)	To visit various Universities in USA to study their education systems, visit laboratories and to explore possibilities of signing MOU for faculty and student exchanges and also to interact with the alumni of the Institute settled in USA.	12.04.13 to 29.04.13	Studying various opportunities
		Prof. T Ramesh (Professor)			Study
		Prof A Ramachandraiah (Professor)			Study
		Prof CSRK Prasad (Professor)			Study
		Prof N S Murthy (Professor)			Study

2. Programs attended by NITW Non-Teaching Staff

S. No	Workshop	From	To	Staff Attended
1	Training Program on "Administrative Procedures" conducted by the UGC- Academic Staff College, Maulana Azad National Urdu University (MANUU), Gachibowli, Hyderabad	06.06.13	08.06.13	32 Members
2	Training program for Personal Assistants (AP) at Jaipur Procuctivity Centre, Jaipur	15.07.13	19.07.13	Sri B Mangilal
3	Training Program on VMWARE Software at Kernel Technologies, Ameerpet, Hyd	5 weekends		Sri D Govinda Rao Computer Operator
4	BSNL online training program for 8 weeks	11.11.13	21.12.13	Sri B Samson
5	Continuing Professional Development Program on Advance Linux Server Administration at Engineering Staff College of India, Hyderabad	25.11.13	29.11.13	Sri P Mohan
6	Training program for Technical Staff of Civil Engineering Dept. at Karnataka Engineering Research station, Krishnarajasagara, Mysore	09.12.13	13.12.13	Sri T Siddiramulu, Sri M Narasimha, Sri A Laxman, Sri K Prurshotham, Sri T Bala Swamy and Sri A Srinivas

3. Programs conducted at NITW for Students

S. No	Workshop	Department	From	To	Co-ordinator
1	Workshop on "Developing employability skills to work successfully in MNCs"	Mechanical Engg. Dept.	27.07.13	27.07.13	Prof S Srinivasa Rao - Prof N Selvaraj
2	Workshop "How to complete your PhD successfully An International Framework"	Mechanical Engg. Dept.	28.07.13	28.07.13	Prof S Srinivasa Rao - Prof N Selvaraj
3	Workshop on "Writing articles to publish in international peer review journals – A guide for new authors"	Mechanical Engg. Dept.	29.07.13	29.07.13	Prof S Srinivasa Rao - Prof N Selvaraj
4	Workshop by Dr S Arunachalam, School of Aarchitecture, Computing & Engineering, University of East London	Civil Engg. Dept.	27.07.13	29.07.13	C S R K Prasad
5	Workshop on Good Laboratory Practices	NIT	10.08.13	10.08.13	S Srinivasa Rao
6	Workshop on An Efficient Delay Estimation Model for High Speed VLSI Interconnects	Electronics & Comm. Engg. Dept.	22.08.13	25.08.13	Kavicharan Mummaneni
7	Five day workshop on "Scientific Computing with MATLAB"	Mechanical Engg. Dept.	22.09.13	26.09.13	Dr Hari Kumar V
8	Two Day workshop on "Robotics and Embedded Systems (REDS-NITW-2013)	Electronics & Comm. Engg. Dept.	28.09.13	29.09.13	S K L V Sai Prakash & P Muralidhar
9	Workshop on "Advanced Flow Reactors"	Chemical Engg. Dept.	04.10.13	04.10.13	Dr Shirish Sonawane
10	Workshop on "The Art of Living YES Plus Program"	Deans Office	23.10.13	23.10.13	S Srinivasa Rao

11	Training program on "Introduction to Scilab"	Electronics & Comm. Engg. Dept.	06.11.13	06.11.13	S K L V Sai Prakash
12	International Conference for paper presentation	Computer Science and Engg. Dept.	15.12.13	18.12.13	Nagesh Bhattu Sristy

3.0 THE STAFF

Director: Prof. T. Srinivasa Rao

3.1. FACULTY (Members of Faculty are listed Department wise)

Department of Civil Engineering

S. No	Name	Designation	Highest Degree (Univ./ Instt.)	Year Joined (REC / NITW)	Areas of Research
1.	Dr.C.B. Kameswara Rao	Professor	Ph.D. RECW	1992	Ductile Concrete, Cement Composite, Concrete Technology
2.	Dr.K V Jayakumar	Professor	PhD IIT Kanpur	1993	Hydrology and Water Resources, Urban Water Management, Land and Water Management, Irrigation Engg., Environmental Impact Assessment
3	Dr.N V Umamahesh	Professor	PhD RECW	1987	Water Resources Systems, Soft Computing, Hydrology, Irrigation Engineering, irrigation scheduling
4	Dr.P. Anand Raj	Professor	Ph.D. IIT Kharagpur	1987	Hydraulic Structures, fuzzy logic, Soft computing, reservoir operation
5	Dr. D. Rama Seshu	Professor	Ph.D. RECW	1990	Structural Engineering – Concrete
6	Dr. G. Rajesh Kumar	Professor	Ph.D. RECW	1995	High Strength, High performance Concrete
7	Dr. C.S.R.K. Prasad	Professor	Ph.D. RECW	1996	Travel demand modeling, traffic system design, GIS in transportation, intelligent transportation systems.
8	Dr. Deva Pratap	Professor	Ph. D RECW	1992	Applications of geospatial technologies to geology
9	Dr. M. Chandrasekhar	Professor	Ph. D RECW	1997	Water Quality Management Material Balances in river basins Solid Waste Management
10	Sri Mohammad Ali (Rtd. On 31.01.14)	Associate Professor	Ph.D. NITW	1974	Ground Improvement Methods
11	V.N.Kameswara Rao	Associate Professor	M.Tech RECW	1984	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. RECW	1997	Geotechnical Engg., Granular Piles
15	Dr. V. Ramana Murty	Associate Professor	Ph.D. RECW	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. RECW	1997	Structural Engineering
18	Dr.M. Heera Lal	Associate Professor	M. Tech. RECW	1997	Recycled Aggregate in Rigid Pavement
19	Dr.K. Venkata Reddy	Assistant Professor	Ph. D IITB	2007	Applications of geospatial technologies to water resources engineering and rural development
20	Dr.Venkaiah Chowdary	Assistant Professor	Ph.D. IIT Madras	2008	Characterization of asphalt binders and mixtures, asphalt pavement analysis, design and evaluation.
21	Dr.S. Venkateswara Rao	Assistant Professor	Ph D JNTU, Hyd.	2008	Special Concretes like Self Compacting Concrete, Nano materials in cement mortars and concrete.

22	Dr.P. Hariprasad Reddy	Assistant Professor	Ph. D. IISc, B'lore	2008	Geo-Environmental Engineering, Contaminant transport through porous media, Bio-remediation
23	Dr. D.S.N.V. Amar Kumar (Resigned on 31.07.13)	Assistant Professor	Ph.D. IIT Kharagpur	2008	Pavement Materials
24	Dr. K.V.R. Ravi Shankar	Assistant Professor	Ph.D. IITB	2012	Mixed traffic flow modeling and simulation model development, lane changing behavior analysis and modeling of non-lane based behavior in mixed traffic, capacity analysis of highways under mixed traffic conditions, analysis and implementation of Intelligent Transportation Systems, pedestrian behavioral analysis and modelling.
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	Computational Fluid Dynamics, Environmental Hydraulics, Wastewater Engineering
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. (Resigned on 10.10.13)	Assistant Professor	PhD IIT Madras	2012	Computational Mechanics, Steel Structures, Structural Reliability, Stochastic Mechanics etc.
30.	Dr. S.Shankar	Assistant Professor	Ph.D. NITW	2013	Low volume roads, pavement evaluation and pavement design.
31.	Ms. Y. Navatha	Assistant Professor (on contract basis)	M. Tech. NITW	2013	Applications of RS&GIS in Rural Development, Open source GIS, Image Processing
32.	Dr. P. Venkateswara Rao	Assistant Professor	Ph.D. BITS Pilani	2013	Water and wastewater treatment and waste management
33.	Dr. Rakesh J. Pillai	Assistant Professor	Ph.D. IITM	2013	Soft Clay Engineering, Cyclic Behaviour of Soils, Constitutive modeling in Geotechnical Engineering
34.	Dr. G. Kalyan Kumar	Assistant Professor	Ph.D. IITM	2013	Seismic Hazard Analysis, Earthquake Geotechnical Engg., Environmental Geotechnics
35.	Dr. M.V.N. Siva Kumar	Assistant Professor	Ph.D. IITM	2013	Computational Mechanics, Fracture Mechanics Applications in Metals and Concrete, Earthquake Engineering
36.	Sri Arpan Mehar	Assistant Professor (on contract basis)	M.Tech. IITG	2013	Microscopic and macroscopic traffic flow, simulation modelling and behaviour analysis, pavement engineering, railway engineering.
37.	Dr. T. Phanirama Tezeswi	Assistant Professor	Ph.D. USA	2014	Structural Mechanics/ Dynamics, Blast and Seismic Design, Composite Materials, Cement Micro structure, Molecular Dynamics, Disaster Mitigation

Department of Electrical Engineering

S.No	Name	Designation	Highest Degree (Univ/Instt)	Year joined (RECW/NITW)	Areas of Research
1	Dr.M. Sydulu	Professor	Ph.D/NITW	1981	Power Systems
2	Dr.D.M. Vinod Kumar	Professor	Ph.D/ IIT Kanpur	1984	Artificial Intelligence Applications to Power System, Power system Deregulation, Real-Time control of Power system, Power System Operation and Control, Smart Grid and Micro Grid
3	Dr.D.V.S.S. Siva Sarma	Professor	Ph.D/ IITM	1992	Power Quality/ Protection/ condition monitoring
4	Dr. N. Surahmanyam	Professor & Head	Ph.D/NITW	1982	Power Systems
5	Dr. Bhagwan K Murthy	Professor	Ph.D/IITM	1999	Renewable energy
6	Dr.V. T. Somasekhar	Professor	Ph.D/IISC	1993	Multilevel Inversion and Open-end Winding Induction Motor Drives
7	Dr.N. Vishwanathan	Professor	Ph.D/IISc	1993	Switched Mode Power Conversion, Electrical Drives
8	Dr. N. V. Srikanth	Associate Professor	Ph.D/NITW	1992	Power System Stability, HVDC, FACTS & AI Techniques
9	Dr.S.Srinivasa Rao	Associate Professor	Ph.D/NITW	1996	Power Electronics and Drives
10	Dr.Ch.Venkaiah	Associate Professor	M.Tech	1993	Intelligent Transmission Management; Power System Deregulation; Power System Optimization; Artificial Intelligence Technique applications to Power Systems; Effectual Entrepreneurship and Technology based Entrepreneurship Development
11	Dr. M. Sailaja Kumari	Associate Professor	Ph.D/NITW	1997	Transmission Pricing, Ancillary Services and Renewable energy resources in Power systems
12	Sri.B. Nagu	Assistant Professor	M.Tech	2006	Power System Stability & HVDC
13	Dr.S. Porapandiselvi	Assistant Professor	M.E	2006	Power Electronics & Drives
14	Sri. P. Srinivasan	Assistant Professor	M.Tech	2012	Multilevel Inverters
15	Sri. Y. Chandrashekar	Assistant Professor	M.Tech	2012	Renewable energy resources in power systems, Optimization techniques
16	Sri. Ch. Ramulu	Assistant Professor	M.Tech	2012	Integration of PV system with-Multilevel Inverters and its Applications
17	Dr. P. Suresh Babu	Assistant Professor	Ph.D/JNTUH	2012	Power System Protection
18	Dr. Sachin Jain	Assistant Professor	Ph.D/IITB	2012	Power Electronics and Drives
19	Dr. A. V. Giridhar	Assistant Professor	Ph.D/IITM	2012	High Voltage Engineering
20	Dr. B. L. Narasimha Raju	Assistant Professor	Ph.D/IITR	2012	Fuel Cell based Distributed Generation
21	Dr. A. Kirubakaran	Assistant Professor	Ph.D/MANIT	2012	Fuel Cell based Distributed Generation
22	Dr. M. Udaya Bhasker	Assistant Professor	Ph.D/Spain	2012	Focusing towards the power electronic applications to smart grid and micro grid technologies. And on development of driver circuit for energy efficient light emitting diodes.
23	Dr.G. Siva Kumar	Assistant Professor	Ph.D/IITM	2013	Power Quality
24	Dr. D. Sreenivasarao	Assistant Professor	Ph.D/IIT Roorkee	2013	Power Electronics
25	Sri. T. Vinay Kumar	Assistant Professor (on contract)	M.Tech/JNTU (MITS)	2013	Power Electronics and Drives
26	Sri. P. Chandrasekhar	Assistant Professor (on contract)	M.Tech/NIT Rourkela	2014	Microgrid and Smart Grid Control

Department of Mechanical Engineering

S. No.	Name	Designation	Highest Degree (Univ / Instt)	Year Joined (REC / NITW)	Areas of Research
1	Dr. B. Kotiveerachari (Retired on 31.05.13)	Professor	Ph.D (KU)	1977	Machine Tools Metal cutting
2	Dr. Rapur Venkata Chalam	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	1987	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	Dr. A. Venugopal	Professor	Ph.D. (IIT Delhi)	1992	Conventional and Un-Conventional Machining, Rapid Prototyping, Metrology
11	Dr. Neelakanteshwar Rao A	Professor	Ph.D.(IIT, Kharagpur)	1994	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
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 (expired on 6-9-2013)	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)	2006	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)	2008	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
35	Dr.B.Satish Ben	Assistant Professor	PhD (AU)	2013	CAD/CAM
36	Dr.V.P.Chandra Mohan	Assistant Professor	PhD (IIT,Delhi)	2013	Experimental studies & numerical Modeling of Simultaneous Heat & Mass Transfer during Convective Drying of Moist Object
37	Mr.Syed Ismail	Assistant Professor (on Contract)	M.Tech. (IIT, Kharagpur)	2013	Mechanical Systems Division
38	Mr.Kanmani Subbu.S.	Assistant Professor (on Contract)	M.E.(Anna University)	2013	Manufacturing Engineering
39	Dr.D.Jayakrishna	Assistant Professor	PhD (IIT,Madras)	2013	Heat Transfer
40	Mr.G.Raghavendra	Assistant Professor (on Contract)	M.Tech. (NIT, Rourkela)	2013	Machine Design & Analysis
41	Dr.P.Vamsi Krishna	Assistant Professor	PhD (AU)	2014	Manufacturing Engineering
42	Dr.K.Balasubramanian	Assistant Professor	PhD (National University of Singapore)	2014	Thermal Engineering

Department of Electronics and Communication Engineering

S. No.	Name	Designation	Highest Degree (Univ / Instt)	Year Joined (REC / NITW)	Areas of Research
1	Dr.KSR Krishna Prasad	Professor	PhD IIT Bombay	1981	VLSI
2	Dr.N.S.Murthy (Rtd. on 31.7.13)	Professor	PhD NIT Warangal	1992	DSP Algorithms and architecture
3	Dr. N.V.S.N.Sarma	Professor	PhD IIT Kharagpur	1990	Antennas, Sensor Networks
4	Sri. M.V.Ragunadh	Associate Professor	M.E/M.Tech IIT Roorkee	1985	Image Processing
5	Dr.C.B.Rama Rao	Associate Professor	PhD IIT Kharagpur	1984	Instrumentation and Adaptive Signal Processing
6	Sri. K.Ravi Kishore	Associate Professor	M.E/M.Tech NIT Warangal	1985	Wireless Sensor Networks
7	Sri. S.K.L.V.Sai Prakash	Associate Professor	M.E/M.Tech Kakatiya University	1992	Computer Networks
8	Sri. P.Hari Krishna Prasad	Associate Professor	M.E/M.Tech S.V. University	1993	Communication Networks
9	Dr. B.Laxmi	Associate Professor	PhD IIT Kharagpur	1990	Digital VLSI
10	Dr. N.Bheema Rao	Associate Professor	PhD IIT Bombay	1993	Device Modelling. RF on-chip Inductor
11	Dr.T.Kishore Kumar	Associate Professor	PhD JNTU Hyderabad	1999	Signal Processing

12	Dr. L.Anjaneyulu	Associate Professor	PhD NIT Warangal	1997	Networks, Radar Signal Processing
13	Sri.K.V.Sridhar	Associate Professor	M.E/M.Tech NIT Warangal	1997	BioMedical Signal Processing
14	Sri. T.V.K.Hanumanth Rao	Associate Professor	M.E/M.Tech IIT Delhi	1992	BioMedical Signal Processing
15	Dr. P.Sri Hari Rao	Associate Professor	PhD NIT Warangal	1999	Analog and Mixed IC Design
16	Sri. Amara Prakash Rao	Associate Professor	M.E/M.Tech Pondicherry University	1999	Smart Antennas Systems and Optimization Techniques
17	Sri. P.Muralidhar	Associate Professor	M.E/M.Tech NIT Warangal	1997	VLSI Architectures
18	Smt. P.Prithvi	Assistant Professor	M.E/M.Tech NIT Warangal	1997	Speaker Identification
19	Smt. V.Rama	Assistant Professor	M.E/M.Tech NIT Warangal	1999	BioMedical Signal Processing
20	Sri. Ravi Kumar Jatoth	Assistant Professor	M.E/M.Tech JNTU Kakinada	2006	Signal Processing
21	Dr. Damera Vakula	Assistant Professor	PhD NIT Warangal	2006	Antenna Arrays, Microwave Components, Neural Networks
22	Sri. K.Sarangam	Assistant Professor	M.E/M.Tech NIT Warangal	2006	Low Power Analog IC Design, Low Power/ Low Voltage ADC
23	Dr. S.Anuradha	Assistant Professor	PhD Andhra University	2008	Wireless Channel Modelling
24	Dr. Venkata Mani V	Assistant Professor	PhD IIT Delhi	2008	Wideband Communication

Department of Metallurgical and Materials Engineering

S. No.	Name	Designation	Highest Degree (Univ / Instt)	Year Joined (REC / NITW)	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.Surya Prakash Rao	Professor	Ph.D, IT-BHU	1980	Process Metallurgy, Sulphide Metallurgy
3	Dr.G.V.S.Nageswara Rao	Professor	Ph.D, NITW	1996	Surface Engineering, Powder Metallurgy and Material Testing and Characterization
4	Sri P.Ravindar	Assoc. Professor	M.Tech, IT-BHU	1996	Foundry Metallurgy, Extractive Metallurgy
5	Dr. N.Narasaiah	Assoc. Professor	Ph.D, IIT-Kgp	2012	Deformation Behavior of Materials, Fatigue & Fracture, Failure Analysis
6	Dr. C. Vanitha	Asst Professor	Ph.D, IITB	2008	Texture
7	Dr. Asit Kumar Khanra	Asst. Professor	Ph.D, IITKgp	2008	Powder Metallurgy & Ceramics
8	Mr.V. Rangadhara Chary	Asst. Professor	M.Tech, IITK	2012	Phase Transformations, Nanomaterials
9	Dr. Ajoy Kumar Pandey	Asst. Professor	Ph.D, IITKgp	2013	Bioceramics, Powder Metallurgy, Shape Memory Alloys
10	Dr. Brahma Raju Golla	Asst. Professor	Ph.D, IITK	2013	Ultra High Temperature Ceramics, Structure-Property Correlation, Tribology of Materials
11	Dr. R. Arockia Kumar	Asst. Professor	Ph.D., KAIST, South Korea	2014	Shape memory alloys, Physical Metallurgy, Alloy development, Severe Plastic Deformation
12	Dr. Bonta Srinivasa Rao	Asst. Professor	Ph.D, NIMS Japan	2014	Meta stable materials, Nanocrystalline, ultra fine grain materials and high pressure phase transformations.

Department of Chemical Engineering

S. No.	Name	Designation	Highest Degree (Univ / Instt)	Year Joined (REC / NITW)	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)	1981	Plate heat exchangers, Biomass gasification, Nano fluids, CFD
3	Dr. Y. Pydi Setty	Professor	Ph.D (IIT Madras)	1997	Fluidization Engineering, Wastewater Treatment
4.	Mr. A.. Sarath Babu	Associate Professor	M.Tech (NITW)	1990	Modeling and simulation, chemical reaction Engineering
5.	Dr.A.Venu Vinod	Associate Prof. & Head	PhD (NITW)	1996	Biological Wastewater treatment, Bioreactors, CFD, Heat Transfer Enhancement, Spout-Fluid beds
6.	Mrs. K. Srivani	Associate Professor	M.Tech (NITW)	1996	Biochemical Engineering
7.	Dr. Shirish Sonawane	Associate Professor	Ph.D (North Maharastra University)	2012	Production of Nano Materials, Nano Fluids, Heat Transfer using Nano Fluids, Chemical Reaction Engineering
8.	Mr. K.Anand Kishore	Associate professor	M.Tech, OU	1999	Separation processes, Modeling and Optimization, Energy, Biochemical Engineering, Waste water treatment, Membrane separations, Reactive distillation, Chemical process equipment design, Pharmaceuticals, nanotechnology.
9.	Dr. S. Srinath	Associate Professor	Ph.D (NITW)	1999	Fluidized Bed combustion, Modeling and simulation
10.	Sri S. Srinu Naik (on EOL)	Assistant Professor	M.Tech, OU	2008	Biological Denitrification of waste water, Modeling and simulation
11.	Dr. A. Seshagiri Rao	Associate Professor	Ph.D (IIT Madras)	2013	Process Control, Wastewater Treatment
12.	Dr. T. Sunil Kumar	Assistant Professor	PhD (University of Notre Dame, USA)	2012	Modeling &Simulation, Microfluidics, Corrosion
13.	Dr. P. V. Suresh	Assistant Professor	Ph.D (IIT Madras)	2012	Fuel cells, Chemical Looping Combustion, CFD, Modelling & Simulation
14.	Dr. G. Uday Bhaskar Babu	Assistant Professor	Ph.D (IIT KGP)	2013	Process Intensification, Process control
15.	Dr. Muralimohan Seepana	Assistant Professor	Ph.D IIT Delhi	2013	Membranes, Flow Batteries, Fuel cell
16.	Dr. R Anandalakshmi (Resigned on 30.5.14)	Assistant Professor	Ph.D (IIT Madras)	2013	Process modeling and simulation Computational fluid dynamics (CFD) Energy efficient design of engineering systems
17.	Dr. Ramsagar	Assistant Professor	Ph.D (IIT Delhi)	2013	Chemical Process Scheduling
18.	Dr. Vidyasagar Shilapuram	Assistant Professor	Ph.D (IIT Madras)	2013	Sustainable Energy; Multi-phase flow; Chemical reactor analysis and design

Department of Computer Science & Engineering

S. N.	Name	Designation	Higest Degree (Univ/ Instt)	Year Joined (REC /NITW)	Areas of Research
1	Dr. T. Ramesh	Professor	Ph.D	1984	Machine Learning/Parallel Computing
2	Dr. D.V.L.N. Somayajulu	Professor	Ph.D	1988	Database management, Databases Data Warehousing and Data Mining,
3	Dr.B.B.Amberker	Professor	Ph.D	2007	Cryptography, Information Security, Secure Multi party Computation
4	Dr. S. G. Sanjeevi	Professor	Ph.D	1993	Neural Networks, Computational Intelligence, Machine Learning and Soft Computing
5	Dr.K.Ramesh	Associate Professor	Ph.D	1992	Architectures and Coding infrastructures in Computer Networked,Service-oriented, Distributed, Secured, Cluster and Cloud Computing Environments in pursuit of Model Driven Framework-oriented Systems and Applications Software.
6	Dr.Ch.Sudhakar	Associate Professor	Ph.D	1999	Distributed Systems and Parallel Processing
7	Dr. R.B.V. Subramanyam	Associate Professor	Ph.D	2008	Data Mining and Data warehousing
8	Dr.R.Padmavathy	Assistant Professor	Ph.D	2008	Cryptanalysis and Information Security
9	Sri S.Ravi Chandra	Assistant Professor	M.Tech.	1999	Graphics & Multimedia, Software Engineering
10	Sri B.Raju	Assistant Professor	M.Tech.	2006	Bio-Informatics
11	Sri T.Ramakrishnudu	Assistant Professor	M.Tech.	2006	Database Systems, Data mining
12	Dr. K.V. Kadambari	Assistant Professor	Ph.D	2012	Computational neuroscience, Modeling and simulation, Machine learning and Artificial Intelligence
13	Dr. U.S.N. Raju	Assistant Professor	Ph.D	2012	Computer Vision and Image Processing
14	Dr. P. VenkataSubba Reddy	Assistant Professor	Ph.D	2012	Algorithms and Graph Theory
15	Dr.Rashmi Ranjan Rout	Assistant Professor	Ph.D	2012	Mobile Computing, Wireless Ad-hoc and Sensor Networks, Computer Networks, Cyber Physical Systems and Security

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	Dr.K.Narasimhulu	Asst.Professor	PhD	2008	Environmental Biotechnology & Modeling and Simulation of Bioprocesses
3	Dr.P.Sreenivasa Rao	Asst.Professor	Ph.D, JNTU Hyderabad	2008	Downstream Processing, Metabolic Engineering & Stem cell Technology
4	Dr. R.Satish Babu	Asst.Professor	PhD JNTU Hyderabad	2012	Bioprocess Engineering & Environmental Biotechnology
5	Dr.Urmila Saxena	Asst.Professor	PhD,IIT,Guwahati	2013	Studies on nanomaterials and a biomaterial as cholesterol oxidase-immobilization supports for developing cholesterol biosensor
6	Dr.Asim Bikas Das	Asst.Professor	PhD,IIT,Guwahati	2013	Molecular Signaling Pathways of Human recombinant Cripto-1
7	Dr.Prakash Saudagar	Asst.Professor	PhD (IIT,Guwahati)	2013	Insights into redox metabolism of Leis mania parasite: Studies on key enzymes for novel drug candidates
8	Mr.B.Rama Raju	Asst.Professor (on Contract)	M.Tech (jntu,Hyd)	2013	Bio-technology
9	Dr.V.Kohila	Asst.Professor	PhD (IIT,Guwahati)	2013	Genetic Engineering of Suicide Genes to improve Therapeutic Efficacies
10	Dr.Amitava Bandhu	Asst.Professor	PhD (University of Calcutta	2013	Studies on the operator DNA binding capacity of the repressor of temperate mycobacterio – Phage L1

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	1996	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	2008	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. Radha-krishnamacharya	Professor	Ph.D.(IIT Kanpur)	1984	Bio-Fluid Mechanics; Fluid Mechanics; Heat transfer
2	Dr.Y.N.Reddy	Professor	Ph.D.(IIT Kanpur)	1992	Numerical Analysis
3	Dr. K.N.S.Kasi Viswanadham	Professor	Ph.D. (IIT Bombay)	1992	Finite Element Methods
4	Dr.J.V.Ramanamurthy	Professor	Ph.D.(REC Warangal)	1993	Fluid Mechanics; Non-Newtonian fluid flows; Heat transfer
5	Dr Debashis Dutta	Professor	Ph.D.(IIT Kharagpur)	1994	Operations Research & Statistics
6	Dr.D.Srinivasacharya	Associate Professor	Ph.D.(REC Warangal)	1999	Fluid Mechanics - Micropolar and couple stress fluids -Convective heat and mass transfer - porous media - CFD
7	Dr.P.Muthu	Associate Professor	Ph.D.(IIT Kanpur)	2008	Biomechanics & CFD.
8	Dr.Pranitha J	Assistant Professor	Ph.D. (NIT Warangal)	2006	Fluid Dynamics
9	Dr.R.S. Selvaraj	Assistant Professor	Ph.D. (IIT Madras)	2007	Algebraic Coding Theory
10	Dr. Hari Ponnamma Rani	Assistant Professor	Ph.D. (Anna University, Chennai)	2008	Computational Fluid Dynamics
11	Dr A Benerji Babu	Assistant Professor	Ph.D. (Osmania University, Hyderabad)	2008	Fluid Dynamics
12	Dr. D. Bhargavi	Assistant Professor	Ph.D.(IIT Kharagpur)	2012	Computational Fluid Dynamics
13	Dr.Kurmayya T	Assistant Professor	Ph.D. (IIT Madras)	2012	Functional Analysis/ Linear Algebra
14	Dr. Ch. Ramreddy	Assistant Professor	Ph.D. (NIT Warangal)	2013	Fluid Dynamics; Computational Methods
15	Dr. Nachiketa Mishra (Resigned)	Assistant 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	Dr. K. Srimannarayana	Professor	Ph.D, REC Warangal	1980	Lasers & Fiber Optics
2	Dr. G R C Reddy(Lien)	Professor	Ph.D, REC Warangal	1980	Photonics
3	Dr. A. Ramachandra Reddy	Professor	Ph.D, REC Warangal	1982	Nano technology, Super Capacitors
4	Dr. S.V.S.R.Reddy	Professor	Ph.D, AU Visakhaptnam	1986	Applied radio-actvity
5	Dr. L. Ramgopal Reddy	Professor	Ph.D, REC Warangal	1987	Medical Instrumentation, Tropospheric Radio Propagation
6	Dr. M. Sai Shankar	Professor	Ph.D, REC Warangal	1986	Optical System Design, Fiber Bragg Grating Sensors
7	Dr. R.L.N. Sai Prasad	Professor	Ph.D, REC Warangal	1986	Electronic Instrumentation, Fiber Optic sensors
8	Dr. K. Venugopal Reddy	Assoc. Professor	Ph.D, Univ of Hyderabad	1992	Nanoferrites and Nano composites
9	Dr. B. Shobha	Assoc. Professor	Ph.D, IIT Madras	1992	Sensors & Related Instrumentation
10	Dr. D. Dinakar	Assoc. Professor	Ph.D, REC Warangal	1993	Fiber optic sensors and Vibrational studies
11	Dr. T. Venkatappa Rao	Asst. Professor	Ph.D, Kakatiya University	2008	Condensed matter physics, Polymer Degradation
12	Dr. P. Syam Prasad	Asst. Professor	Ph.D, Nagarjuna University	2008	Bio Glasses & Ceramics
13	Dr. P. Abdul Azeem	Asst. Professor	Ph.D, Sri Krishnadevaraya University	2008	Bio active glasses, Nano Phosphorous
14	Dr. Sourabh Roy	Asst. Professor	Ph.D, IIT Kharagpur	2012	Photonic crystals, Non-linear Optics
15	Dr.Kusum Kumari	Asst. Professor	Ph.D, IIT,Delhi	2013	Studies on structural, optical & charge transport properties of conjugated polymer: cdse nano composites
16	Dr.K.Thangaraju	Asst. Professor	Ph.D, Anna University, Chennai	2013	Studies on Optical Properties of Tris-(8-Hydroxyquinoline) Aluminum Thin Films and Organic Light Emitting Diode Characteristics
17	Dr.D.Paul Joseph	Asst. Professor	Ph.D, University of Madras	2013	Analysis of 3rd Transition Elements Doped ZnO, CuO and Cu-Zn-Se Diluted Magnetic Semiconductors

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 (RECW)	1981	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 (RECW)	1985	Analytical Chemistry, Extractive Spectrometry
6	Dr. K. Laxma Reddy	Professor	Ph.D,Kaktiya	1990	Coordination Chemistry, Environmental Chemistry
7	Dr. B. Rajitha	Professor	Ph.D, Kakatiya (RECW)	1992	Synthetic Organic Chemistry, Heterocyclic Chemistry

8	Dr. V. Rajeswar Rao	Professor	Ph.D,Kakatiya (RECW)	1995	Synthetic Organic Chemistry, Heterocyclic Chemistry
9	Dr. K.V. Gobi	Assoc. Professor	Ph.D,Madurai Kamaraj	2008	Biosensors
10	Dr. P. V. Srilakshmi	Assoc. 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. D. Kasinath	Asst. Professor	Ph.D,IIT, Bombay	2012	Asymmetric Synthesis
14	Dr. B Srinivas	Asst. Professor	Ph.D,University of Hyderabad	2013	Asymmetric Synthesis
15	Dr. K Hari Prasad	Asst. Professor	Ph.D,IIT Kanpur	2013	Carbohydrate chemistry
16	Dr. K Jeyakumar	Asst. Professor	Ph.D,IIT Madars	2013	Carbohydrate chemistry
17	Dr. B. Vijaya Kumar (Resigned on 12.9.13)	Asst. Professor	Ph.D,Osmania	2012	Nano materials, Materials Chemistry

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 (Resigned)	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)
4	Dr.K.Madhavi	Assistant Professor	PhD(OU)	2013	ELT(connecting Reading & writing to develop Academic skills in the students of Provisional courses – A study)

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../Sec.
1.	Prof. A. Ramachandra Reddy	Registrar I/c.	
2.	Dr. G. Amba Prasada Rao	Associate Dean (Academic) upto 16th March 2014	Academic
3.	Prof. R.B.V.Subrahmanyam	Associate Dean (Academic) from 17th March 2014	Academic
4.	Dr. K. Padma	Associate Dean (Accounts) upto 3rd February 2014	Accounts
5.	Prof.D.N.S.Kasivishwanatham	Associate Dean (Accounts) from 4h February 2014	Accounts
6.	Dr. M. Sailaja Kumari	Associate Dean (Admin)	Academic
7.	Sri T. Paul	Asst. Registrar (Acad) (Officiating)	Academic
8.	Sri P. Krishna Rao	Asst. Registrar (on Contract from July 2013)	Administration
9.	Dr. K.U.S. Sastry	Asst. Registrar (Admn) On deputation	Administration
10.	Sri R. Sammi Reddy	Librarian	Library
11.	Sri K.J. Prasad	Asst. Librarian (Officiating)	Library
12.	Sri G. Ramesh	Dy. Executive Engineer	P.E. Office
13.	Sri R. Veeraswamy	Workshop Foreman	MED
14.	Sri K.Yella Swamy	Workshop Foreman (Officiating)	MED
15.	Sri S. Chandrasekhar	Stores Officer	Central stores
16.	Sri P. Mohan	Programmer	Computer Science
17.	Dr. K. Tirupathi Reddy	Medical Officer I/c (on Contract)	Dispensary

b. Non-Teaching Staff

S.No.	Name & Designation
	SUPERINTENDENT/ACCOUNTANT
1.	Paul T (officiating A.R)
2.	Raju G
3.	Janardhan R (Rtd. on 30-09-2013)
4.	Gurupathy B
5.	Sandhya Rani D
6.	Samel P
7.	Samba Murthy M
8.	Sudhakar M
9.	Zafar Md
10.	Gopinath R
11.	Quraishi A.A
	SR.ASST./UD CASHIER/ UD RECORD KEEPER
1.	Prakash S S
2.	Mahabul D
3.	Quamar Pasha S A
4.	Shamshul Hussain Md
5.	Bala Subramanyam G
6.	Shiva Kumar P
7.	Rama Rao A
8.	Mallaiah R
9.	Srinivasa Reddy M
10.	Sanjeeva M
11.	Shyamala J
12.	Parasuramulu R
13.	Kiran Kumar T
14.	Sridhar Rao M
15.	Sadar Lal M
16.	Afzal Md.
17.	Nagender Rao K
18.	Bhasker J
19.	Prakasa Rao Ch.S
20.	Venkateswarlu S
21.	Mahender Singh S
22.	Jai Singh A
23.	Dilip Kumar T
24.	Prem Kumar P
25.	Narender V
26.	Srinivas Rao K

S.No.	Name & Designation
	JR.ASST.
1.	Suresh V
2.	Aliullasha Khader Md
3.	Mahesh Kumar Y
4.	Hymavathi P
5.	Bhaskar T
6.	Srinivas R
7.	Someshwar Rao A
8.	Kiran Kumar A
9.	Srinivas T
10.	Mangilal B
11.	Rajanna M
12.	Jagadeesh Kumar A
13.	Ramesh D (from 11-06-2013
14.	Vara Prasad A (from 11-06-2013)
15.	Bhaskar P (from 11-06-2013
16.	Shoukat Ali Md. (from 11-06-2013)
17.	Rajendra Prasad P (from 11-06-2013)
18.	Suresh kumar. M (from 11-06-2013)
19.	Srinivas J (from 11-06-2013)
	JR.ASST.(S)
1.	Dayakar P
2.	Ashwin Kumar D
	JACT
1.	Veda Prakash G
2.	Ms. Husna
3.	Nanu Lunavath
	TYPIST/LD TYPIST/LD STENOR TYPIST
1.	Renuka D
2.	Ashok Kumar P
3.	Padmaja G
4.	Indira Priyadarshini B
	CTCR
1.	Jayanth G
	RONEO OPERATOR
1.	Ramesh A

STORE/RECORD ASSISTANTS

1. Ismail Md (Rdt. On 31-03-2014)
2. Bhaskar M
3. Adam S
4. Saraiah K
5. Sarada S
6. Sambaiah N
7. Sivaprasad V
8. Ramesh K (Rtd. on 31-08-2013)
9. Rajamouli K
10. Devendra K
11. Anandam G
12. Ramesh Babu Ch
13. Ramesh D (up to 10-06-2013)
14. Kishore Kumar N
15. Akbar Md
16. Heerulal P
17. Vara Prasad A (up to 10-06-2013)
18. Bhaskar P (up to 10-06-2013)
19. Bikshapathy Y
20. Tara Bai B
21. Farooq Azam Md
22. Narayana. G
23. Kamala K
24. Kumar Swamy M
25. Shoukat Ali Md. (up to 10-06-2013)
26. Krishna Veni P
27. Rajender K
28. Somaiah G
29. Sambaiah G
30. Sanjeevaiah K
31. Balaji Singh T
32. Gouri Shankar G
33. Sambaiah A
34. Tirupathi B
35. Srihari G
36. Inqushaf Ali Md.
37. Rajendra Prasad P (up to 10-06-2013)
38. Sridhar Kumar G
39. Devadas T
40. Ramesh V (from 12-06-2013)
41. Abdul Gaffar Md (from 12-06-2013)
42. Ravinder M (from 12-06-2013)
43. Eshwar P (from 12-06-2013)
44. Bikshapathy A (from 12-06-2013)

GARDEN SUPERVISOR

1. Umamaheswar Rao P

HEAD MALI

1. Rajaiah K

SR. LIB. ASST.

1. Prasad K J (Officiating Asst. Librarian)

JR. LIB. ASST.

1. Sudarshanam B

STORE KEEPER (TECH.)

1. Vasanth Ram M

W/S Supervisor

1. Yella Swamy K. (officiating Foreman)

ASST. ENGINEER

1. Sardar Singh M

TECH. ASST.

1. Samson B
2. Rangilal B
3. Ramesh K

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 (Rtd. on 30-06-2013)
3. Siddiramulu T
4. Srinivas B
5. Kumaraswamy G
6. Narasimha M
7. Savvaiah G
8. Ramesh K(Jr.)
9. Suryanarayana T
10. Harinath N
11. Laxman A
12. Chandra Murthy V
13. Nagabhushanam A (from 01-07-2013)

MECH. 'B' GRADE

1. Nagabhushanam A (up to 30-06-2013)
2. Suryababu D
3. Rasheed Md
4. Venkateswarlu V
5. Ravinder K
6. Sudhakar V
7. Purushottam K
8. Ramchander Y
9. Parasu Ramulu K
10. Sudhakar N
11. Venugopal S
12. Srinivasulu N
13. Ravinder R
14. Ravi S
15. Veeranna T
16. Balaswamy T
17. Veerender V (from 02-7-2013)

MECH. 'C' GRADE

1. Veerender V (up to 01-07-2013)
2. Chandra Narayana A
3. Vijay Kumar K
4. Anand Singh K
5. Mahendra Kumar K
6. Sunil Kumar D
7. Devender B
8. Veeraiah D
9. Sambayya V
10. Ramesh M
11. Rajamouli A
12. Ramulu B
13. Kumaraswamy M
14. Shankaraiah M
15. Shankaraiah G

DRIVER

1. Ramesh J

STAFF NURSE

1. Rameeja Bee K

TECHNICAL HELPERS

1. Gattaiah Ch (Rtd. on 28-02-2014)
2. Kattaiah Ch
3. Komuraiah K (Sr)
4. Yellaiah N
5. Venkatadri Y (Rdt. On 31-03-2014)
6. Kondaiah P
7. Srinivas A
8. Janardhan G
9. Veeraiah P
10. Dasaratham N
11. Saraiah G
12. Ilaiah B
13. Jakkaiah B (Rtd. on 30-06-2013)
14. Jumani L
15. Komuraiah L (Rtd. on 30-06-2013)
16. Rajaiah A
17. Takur B
18. Komuraiah S
19. Ilaiah P(Jr.)
20. Komuraiah K (Jr)
21. Veeraswamy(Jr.) G
22. Hajia D
23. Komuraiah A
24. Dayakar Y
25. Yadamma V
26. Nagamani V
27. Hussain Md
28. Afzal Md
29. Saraiah P
30. Yadimallu P
31. Laxmaiah B
32. Murali Krishna K
33. Laxmi T
34. Palaiah P
35. Ramulu B
36. Venkatamma K
37. Rajamma J
38. Rajanna J
39. Ilaiah R
40. Shankariah M
41. Sajeeda Khatoon
42. Surayya B
43. Jayasri B
44. Jayalakshmi K (Rtd. on 30-06-2013)
45. Pratap G
46. Murali G

SKILLED WORK ASSISTANT

1. Narasimhulu N
2. Abdul Gaffar Md (up to 11-06-2013)
3. Ramesh V (up to 11-06-2013)
4. Ravinder M (up to 11-06-2013)
5. Eshwar P (up to 11-06-2013)
6. Mallikarjun K
7. Bikshapathy A (up to 11-06-2013)
8. Srikanth P
9. Srinivas J (up to 10-06-2013)
10. Narasaiah J
11. Aruna Mary D
12. Shaheen Begum
13. Zaheeruddin Md.

C. Hostel Employees

Head Cook

1. Saraiah G
2. Venkataiah T
3. Yadagiri C
4. Veeraiah K
5. Sailu T (from 16-08-2013)
6. Yakaiah J (from16-08-2013)

Sanitary Supervisor

1. Yakub B (from16-08-2013)

Mess Supervisor

1. Rajaratnam Ch (Rtd. on 30-06-2013)
2. Shiak Mohammed
3. Iqbal Md
4. Komuraiah A (from 16-08-2013)
5. Ilaiah T(Jr) (from 16-08-2013)
6. Kumara Swamy A (from 16-08-2013)

Store Boy

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

Office Boy

1. Mohd. Ameer
2. Nageshwar Rao.G
3. Suresh kumar.M (up to 10-06-2013)

Grinding Assistant

1. Ramulu N

Reading Room Boy

1. Babu Rao M

Maid Servant

1. Venkatamma B

Asst. Cook

1. Sailu T (up to 15-08-2013)
2. Yakaiah J (up to 15-08-2013)
3. Venkateswarlu E
4. Dasthagir Md
5. Yakub B (up to 15-08-2013)
6. Sivalingaiah K
7. Vaikuntam K
8. Komaraiah J
9. Beeraiah G
10. Shankaraiah K (from 19-08-2013)
11. Sammaiah P (from 19-08-2013)
12. Ialiah G (from 19-08-2013)
13. Krishna Swamy N (from 19-08-2013)
14. Sambaiah G (from 19-08-2013)

Head Supplier

1. Komuraiah A (up to 15-08-2013)
2. Ilaiah T(Jr) (up to 15-08-2013)
3. Kumara Swamy A (up to 15-08-2013)
4. Yellaiah S (from 19-08-2013)
5. Azeez Khan Md (from 19-08-2013)
6. Sambaiah G (from 19-08-2013)
7. Ravi. M (from 19-08-2013)
8. Kanakaiah K (from 19-08-2013)

Kitchen Asst.

1. Rajeswara Rao P
2. Venkataswamy N
3. Shankaraiah K (up to 18-08-2013)
4. Sammaiah P (up to 18-08-2013)
5. Ialiah G (up to 18-08-2013)
6. Krishna Swamy N (up to 18-08-2013)
7. Chandru G
8. Mondaiah Ch
9. Sadanandam B
10. Rajaiah D
11. Sambaiah G (up to 18-08-2013)
12. Kumara Swamy B
13. Jayaraj K
14. Yellaiah S (up to 18-08-2013)
15. Azeez Khan Md (up to 18-08-2013)
16. Laxmaiah G (from 19-08-2013)

Male Servant

1. Tirupathi T (up to 19-08-2013 FN)
2. Lal G (up to 19-08-2013 FN)
3. Kumara Swamy. K
4. Kumar. P (up to 19-08-2013 FN)
5. Kumar. B (up to 19-08-2013 FN)
6. Kumara Swamy.G

Sweeper

1. Rajaiah A (up to 19-08-2013 FN)
2. Cheralu K (up to 19-08-2013 FN)
3. Ilaiah A
4. Ejjagiri G
5. Venkataiah A (Rtd. on 30-06-2013)
6. Sammaiah P
7. Sailu E
8. Sammaiah N
9. Cheralu M
10. Veeraiah K (up to 19-08-2013 FN)
11. Prasad S (up to 19-08-2013 FN)
12. Venkataiah K (up to 19-08-2013 FN)
13. Damodar Reddy V
14. Suvarna.N
15. Nirmala.R
16. Ramesh.T

H. Watchman

1. Ramulu .N (up to 19-08-2013 FN)
2. Afzal Pasha. Mohd (up to 19-08-2013 FN)
3. Sadanandam .B (up to 19-08-2013 FN)

Supplier

1. Jaffer M A
2. Komaraiah N
3. Kanakaiah A
4. Pentaiah T (Vol. Rdt. On 31-03-2014)
5. Saraiah A
6. Laxmaiah G (up to 18-08-2013)
7. Sailu K
8. Raju K
9. Sambaiah G (up to 18-08-2013)
10. Ilaiah(Sr) T
11. Ilaiah M
12. Ravi. M (up to 18-08-2013)
13. Kanakaiah K (up to 18-08-2013)
14. Tirupathi T (from 19-08-2013AN)
15. Lal G (from 19-08-2013AN)
16. Kumar. P (from 19-08-2013AN)
17. Kumar. B (from 19-08-2013AN)
18. Ramulu .N (from 19-08-2013AN)
19. Afzal Pasha. Mohd (from 19-08-2013AN)
20. Sadanandam .B (from 19-08-2013AN)
21. Rajaiah A (from 19-08-2013AN)
22. Cheralu K (from 19-08-2013AN)
23. Veeraiah K (from 19-08-2013AN)
24. Prasad S (from 19-08-2013AN)
25. Venkataiah K (from 19-08-2013AN)

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	National Conference on Sustainable Construction Materials and Technologies (SCMAT)	15.03.13	16.03.13		TEQIP II	Dr.G Rajesh Kumar Dr.P Ratish Kumar Dr. S Venkateswara Rao
2	One Day Workshop on "Innovative Technologies for Low Volume Roads"	12.12.13	-	Field Engineers of Panchayat Raj Engineering Department, Andhra Pradesh (115 participants)	(i) Zydex Industries, Vadodara, (ii) Avijeet Agencies, Chennai, (iii) Alchemist Touchnology New Delhi, (iv) Bitchem Asphalt Technologies Guwahati	Prof. C.S.R.K. Prasad, Dr. Venkaiah Chowdary
3	Two day workshop on Geotechnical aspects and pavement materials (GMAP 2013)	13.12.13	14.12.13	Faculty and Field Engineers	TEQIP II, NITW	Dr. Mohammad Ali, Dr. M. Heeralal, Dr. S. Shankar
4	Storm Water management	13.1.14	24.1.14	M Tech EE & WRE students	TEQIP	Dr. M. Chandra Sekhar and Dr. K.V. Jayakumar
5	Urban Stormwater management	26.1.14		Field Engineers and Faculty	TEQIP	Dr. M. Chandra Sekhar and Dr. K.V. Jayakumar
6	One day workshop on Geo-risks and Remedies	31.01.14	31.01.14	Industry and Academia	TEQIP II	Dr. Mohammad Ali, Dr. P. Hari Krishna, Dr. V. Ramana Murty, Dr. M. Heera Lal,
7	Geotechnical Golden Jubilee Meet	01.02.14	01.02.14	Alumni, former faculty and staff of Geotechnical division	Alumni	Dr. Mohammad Ali, Dr. P. Hari Krishna, Dr. V. Ramana Murty, Dr. M. Heeralal,
8	One Day Workshop on "Need for Project Management Education in India"	21.03.14	-	Engineers	Larsen & Toubro ECC, Chennai and PMI-PCC, Hyderabad	Prof. C.S.R.K. Prasad, Mr. Uday
9	A Three Day Conference on "Transportation Young Researchers Symposium"	27.03.14	29.03.14	M.Tech and Ph.D. students working in the area of Transportation Engineering (107 participants)	TEQIP-II, NIT,W and Panchayat Raj Engineering Department, Government of Andhra Pradesh	Prof. C.S.R.K. Prasad, Dr. Venkaiah Chowdary, Dr. K.V.R. Ravi Shankar, Dr. S. Shankar, Mr. Arpan Mehar, and Dr. Sasanka Bhushan.

10	2 Week ISTE-IIT-B workshop on Engineering Mechanics under National Mission on Education through ICT	26.11.13	06.12.13	Faculty	IIT Bombay	Prof. G. Rajesh Kumar
11	Irrigation Technologies of Kakatiy	8.11.13	9.11.13	Faculty, Engineers & Students	Warangal Dist. Admn.	Prof. KV Jayakumar
12	Urban Stormwater Managment	25.01.14		Municipal Engineers, Faculty members	TEQIP	Prof. KV Jayakumar Prof. M Chandra sekhar
MECHANICAL ENGINEERING DEPARTMENT:						
1	Workshop on New Paradigms in Manufacturing	May, 2013	May, 2013	Teachers	Self	Prof.A.Venugopal
2	Workshop on Creativity and Innovation	March 2013	March 2013	Teachers	TEQIP, NIT Warangal	Prof.A.Venugopal
3	workshop on Creative Design and Rapid Product Development Technologies	March 2014	March 2014	Teachers	TEQIP, NIT Warangal	Dr Y Ravikumar
ELECTRONICS AND COMMUNICATION ENGINEERING						
1	Two days "VLSI DSM Mixed signal IC Design flow employing latest Cadence tools"	23.05.13	24.05.13	Research Scholars, PG Students	TEQIP-II	Dr. Sri Hari Rao Patri
2	Expert Lecture by Prof. K Giridhar, ECE, IIT Madras	04.04.13	04.04.13	UG & PG Students	TEQIP-II	Dr. V.Venkata Mani
3	Three Day Workshop on "Speech Signal Processing"	10.05.13	12.05.13	Research Scholars, UG & PG Students and Faculty	TEQIP-II	Dr. T Kishore Kumar
4	Two Day workshop on "Robotics and Embedded Systems (REDS-NITW-2013)	28.09.13	29.09.13	Research Scholars, PG Students	TEQIP-II	S K L V Sai Prakash & P Muralidhar
5	Half day training programme on "Introduction to Scilab"	06.11.13	06.11.13	Research Scholars, UG & PG Students	TEQIP-II	S K L V Sai Prakash
6	Three Day Workshop on "Embedded Systems for Automation and Instrumentation" for Teaching faculty and Research scholars	12.12.13	14.12.13	Research Scholars, PG Students and Faculty	TEQIP-II	Dr. T Kishore Kumar
7	Two day workshop on "Mobile Programming and open source software (MP&OSS-NITW-2014)"	14.03.14	15.03.14	Research Scholars, PG Students	TEQIP-II	S K L V Sai Prakash
COMPUTER SCIENCE AND ENGINEERING DEPARTMENT:						
1	Architecture, Algorithms, Analytics for Big Data using Cloud and Distributed Computing (abcd-2014)	07.03.14	11.03.14	Faculty (50)	TEQIP-II project of NIT-W.	Prof. D.V.L.N. Somayajulu Dr. RBV Subramanyam

2	Workshop on Advanced Wireless and Mobile Networks Technologies	03.10.13	07.10.13	Faculty (51)	TEQIP-II project of NIT-W.	Dr. Rashmi Ranjan Rout
3	Research Promotion Workshop on Graph and Geometric Algorithms	23.10.13	25.10.13	Faculty	NBHM-TIFR-TEQIP-II-NITW	Dr. R. B. V. Subharmanyam Dr. P V S. Reddy
MATHEMATICS DEPARTMENT :						
1	National workshop on Computational Methods in Engineering and Science	21.10.13	25.10.13	All Teachers of AICTE approved institutes and persons from Industry/R&D;40	TEQIP Phase-II	Dr. D.Srinivasa charya
2	A National Workshop on Modern Statistical Techniques & Information Security	19.12.13	21.12.13	All Teachers of AICTE approved institutes and persons from Industry/R&D;20	TEQIP Phase-II	Dr. R. S. Selvaraj; Prof. Debashis Dutta
3	Mathematical Modelling in Engineering	2.12.13	6.12.13	All Teachers of AICTE approved institutes and persons from Industry/R&D;43	TEQIP Phase-II	Dr A Benerji Babu
CHEMISTRY DEPARTMENT :						
1	Teaching Methodologies for Effective Learning	5.2.14	9.2.14	Newly Recruited Faculty of NIT Warangal	TEQIP-II	Prof. B. V. Appa Rao & Prof. I. A. K. Reddy
2	Promoting excellence in research through e-journals	12.7.13	13.7.13	For all the Chairmen, Libriarians of NITs (40)	TEQIP-II,NITW	Prof. B. V. Appa Rao as Vice-Chairman
3	Innovations in materials and processes and transfer of technologies to industries	17.10.13	19.10.13	For Faculty members, Research Scholars of NITWarangal	TEQIP-II,NITW	Prof. B. V. Appa Rao Prof. M.K. Mohan
4	Innovations in electrochemical science and technology	10.12.13	14.12.13	For Faculty members, Research Scholars of NITWarangal	TEQIP-II,NITW	Prof. B. V. Appa Rao Dr.K.V. Gobi
5	Teaching and Evaluation methods for effective learning	15.7.13	17.7.13	Newly recruited faculty of NITWarangal (80)	TEQIP-II,NITW	Prof. B. V. Appa Rao Prof. I.A.K.Reddy
6	National Workshop on "Primary Computational Methods for Chemical Research"	20.9.13	22.9.13	Faculty and Research Scholars (50)	TEQIP-II	Prof. A. Ramachandraiah Co-Coordinator Prof. K. Laxma Reddy
7	National Workshop on "Modern Instrumental Methods of Inorganic Chemical Analysis of Engineering Materials"	22.10.13	26.10.13	Faculty and Research Scholars (80)	TEQIP-II	Prof. A. Ramachandraiah Co-Coordinator Prof. K. Laxma Reddy
8	National Workshop on "Modern Instrumental Methods of Inorganic Chemical Analysis of Engineering Materials"	22.10.13	26.10.13	Faculty and Research Scholars (80)	TEQIP-II	Prof. A. Ramachandraiah Chair Person & Head Prof. B. Rajitha

9	Recent advances in synthesis and medicinal applications of heterocyclic compounds	08.11.13	10.11.13	Faculty and Research Scholars (80)	TEQIP-II	Prof. V. Rajeswar Rao Chair Person & Head Prof. B. Rajitha
10	Recent Advances in Synthesis and Medicinal Applications of Heterocyclic Compounds	08.11.13	10.11.13	For the faculty and Research Scholars who are working in heterocyclic chemistry(70)	TEQIP-II	Prof. V. Rajeswar Rao and Dr. D. Kashinath

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

i) International

Sl. No	Title of the Programme	Period		Name of the Faculty attended
		From	To	
1	Global Higher Education Exhibition	22/4/2013	25/4/2013	Prof. N.V. Uma Mahesh
2	2nd International BMBF Conference	13/5/2013	17/5/2013	Prof. C.S.R.K. Prasad
3	Training Programme, UTA, U.S.A	12/7/2013	26/7/2013	Dr. P. Hari Prasad Reddy
4	Erasmus Mundus Programme	28/8/2013	3/10/2013	Dr. P. Ratish Kumar
5	Erasmus Mundus Programme	31/8/2013	2/10/2013	Dr. S. Venkateswara Rao
6	Science, Governance and Management	23/9/2013	27/9/2013	Dr. M. Chandrasekhar
7	Erasmus Mundus Programme	11/10/2013	18/11/2013	Dr. T.D. Gunneswara Rao
8	International Conference on Civil and Building Engineering (ICCB 2013)	30/12/2013	31/12/2013	Dr. T.D. Gunneswara Rao
9	Advances in Fiber Reinforced Polymers and Composites (IWAFRPC)	13/03/2014	--	Prof. C.B. Kameswara Rao
ii) National				
1	Review of Tool kits	2/4/2013	6/4/13	Dr. D.S.N.V. Amar Kumar, Dr. K.V.R. Ravi Shankar, Prof. T.V. Ramannayya
2	Microwave Remote Sensing Applications	20/5/13	31/5/13	Dr. M. Shashi
3	Industry, Academia Collaboration	24/5/13	25/5/13	Prof. C.S.R.K. Prasad
4	Advanced Faculty Training Programme on "Intelligent Transportation Systems"	27/5/13	5/6/13	Dr. K.V.R. Ravi Shankar
5	PMGSY –II Guidelines	10/6/13	--	Prof. C.S.R.K. Prasad
6	Training and Skill Development Component B5 of PMGSY RRP –II	18/6/13		Prof. C.S.R.K. Prasad
7	General Management Training Programme	25/6/13	26/6/13	Prof. N. V. Uma Mahesh, Dr. M. Heeralal, Prof. M. Chandra Sekhar, Dr. G.V. Rao Dr. E. Venkata Ratnam, Prof. Deva Pratap, Dr. T. D. Gunneswara Rao.
8	Regional Review Meeting on PMGSY	1/7/13	2/7/13	Prof. C.S.R.K. Prasad
9	Current Trends in Computational Methods for PDE'S	15/7/13	19/7/13	Dr. Ajey Kumar Patel
10	Teaching and Evaluation Methods for Effective Learning	15/7/13	17/7/13	Dr. Venkaiah Chowdary Dr. M. Shashi
11	Warm Mix Asphalt – Challenges and Way Forward	8/8/13	9/8/13	Dr. Venkaiah Chowdary

12	National Review Workshop on SUTP-Toolkits	26/8/13	27/8/13	Dr. K.V.R. Ravi Shankar, and Prof. T.V. Ramanayya
13	UMTS and UTF	5/9/13	9/9/13	Prof. C.S.R.K. Prasad
14	Review of National Urban Transport Policy, 2006	5/9/13	--	Prof. C.S.R.K. Prasad
15	Round Table Meeting on "Institute Mines Telecom (IMT), France – NITs Collaboration"	6/9/13	--	Prof. C.S.R.K. Prasad
16	One Day Workshop on "Review of UMTA and Urban Transport Fund"	7/9/13	--	Prof. C.S.R.K. Prasad
17	"Outcome Based Engineering Education for Enhanced Employability"	14/9/13	--	Dr. Venkaiah Chowdary Dr. M. Shashi
18	Quality Initiatives in Technical and Higher Educational Institutions	16/9/13	18/9/13	Prof. C.B. KameswaraRao, Prof. P. Anand Raj
19	Engineering Mechanics	16/9/13	20/9/13	Dr. G. Rajesh Kumar
20	PMGSY II Guidelines and Preparedness of States	18/9/13	20/9/13	Prof. C.S.R.K. Prasad
21	One Day Workshop on "PMGSY-II Guidelines and Preparedness of States"	18/9/13	--	Prof. C.S.R.K. Prasad
22	One Day Round Table Meeting "Conducting SUTP Training Programs on Urban Transport to Various Stake Holders"	20/9/13	--	Prof. C.S.R.K. Prasad
23	Governance in Science &Technology	23/9/13	27/9/13	Dr. M. Chandrasekhar
24	Engineering Projects in Community Service	29/10/13	31/10/13	Prof. Deva Pratap
25	Sustainable Cities	11/11/13	12/11/13	Prof. C.S.R.K. Prasad.
26	International Society for Structural Health Monitoring of Intelligence Infrastructure	9/12/13	12/12/13	Dr. P. Ratish Kumar
27	Workshop on Advances in Electron Microscopy, 2013	9/12/13	13/12/13	Dr. P. Venkateswara Rao
28	Professional Academic Collaboration	10/12/13	10/01/14	Prof. Deva Pratap
29	Workshop on Geotechnical and Material aspects of Pavements (GMAP 2013)	13/12/13	14/12/13	Dr. M. Shashi
30	Designing, Specifying and Constructing with Modern concrete	26/12/13	30/12/13	Dr. M. Heeralal
31	Designing Specifying and Constructing With Modern Concrete	27/12/13	29/12/13	Engineer's Development Council
32	Workshop on "Geo-Risks and Remedies"	31/12/13	--	Dr. M. Shashi
33	Information Technology Research Academy Workshop	01/01/14	03/01/14	Dr. Ajey Kumar Patel
34	Commercializing R&D Concepts	04/2/14	--	Prof. C.S.R.K. Prasad.
35	One Day workshop "Commercialising R&D Concepts – Challenges and Solutions"	04/02/14	--	Prof. C.S.R.K. Prasad
36	Teaching Methodologies for effective learning	05/02/14	09/02/14	Dr. S. Shankar Ms. Y. Navatha Dr. P. Venkateswara Rao Dr. Rakesh J. Pillai Dr. G. Kalyan Kumar Dr. MVN Siva Kumar Mr. Arpan Mehar Dr. T. Phanirama Tezeswi

37	Application of Plaxis 3D "Modelling of Deep Excavations, Tunnelling, Soil-structure Interaction, Dynamics and Geotechnical Earthquake Engineering"	11/02/14	12/02/14	Ram Caddsys, Chennai and IIT Madras
38	Two day workshop on "Sustainable Urban Transportation"	13/02/14	14/02/14	Prof. C.S.R.K. Prasad
39	Workshop on "Outcome based Accreditation"	4/3/14	6/3/14	Dr. M. Shashi
40	Landfills 2014	05/03/14	07/03/14	Dr. M. Heeralal
41	Three Day "World Summit on Accreditation"	08/03/14	10/03/14	Prof. C.S.R.K. Prasad
42	Water Resource Management	11/03/14	14/03/14	Dr. P. Venkateswara Rao
43	Workshop on "Open Source Software(OSS-NITW-2014)"	14/3/14	15/3/14	Dr. M. Shashi
44	Highway Development and Intelligent Transport Systems	19/03/14	--	Dr. S. Shankar
45	One Day Seminar on "Intelligent Transportation Systems"	19/03/14	--	Dr. S. Shankar
46	One Day workshop on "Need for Project Management Education in India"	21/03/14	--	Prof. C.S.R.K. Prasad
47	UK Trade and Investment	27/3/14	--	Prof. N.V. Umamahesh, Prof. Deva Pratap
48	One day seminar on "Research, Innovation and Higher Education Cooperation & Opportunities between India and the European Union"	31/03/14	--	Prof. C.S.R.K. Prasad
49	GIS Training program on 'Introduction to ArcGIS Desktop and Server'	23/4/13	26/4/13	Dr. K. Venkata Reddy Dr. M. Shashi Ms. Y. Navatha
50	Advanced SWAT Workshop	16/7/13	17/7/13	Dr. K. Venkata Reddy
51	Coordinator's Workshop on Engg. Mechanics	16/9/13	20/9/13	Dr. G. Rajesh Kumar

ELECTRICAL ENGINEERING DEPARTMENT:						
National						
1	Three day workshop on Power Control and Energy Management	09.05.13	09.05.13	For Faculty and Research Scholars (72 Nos)	TEQIP Phase-II	Dr. B L Narasimharaju & Prof. D M Vinod Kumar
2	Two day workshop on "Graphical System Design approach for Research in Power systems, Power Electronics and Communications"	03.10.13	04.10.13	For Faculty and Research Scholars (50 Nos)	TEQIP Phase-II & National Instruments	Prof.D V S S Siva Sarma
3	Five days workshop on "Power Electronic Applications" at NIT, Warangal.	14.10.13	18.10.13	Teachers of TEQIP Networking and AICTE approved Institutions and Engineers from R&D and Power Electronics industries (56 participants)	TEQIP Phase -II	Mrs. S Porpandiselvi & Dr.M Udaya bhasker
4	Two Day workshop on "Model-Based Digital PWM Control Techniques for Power Electronics Applications	25.10.13	26.10.13	For Faculty and Research Scholars (49)	TEQIP Phase-II	Dr. B L Narasimharaju & Dr. S Srinivasa Rao
MECHANICAL ENGINEERING DEPARTMENT:						
National						
1	Essential Techniques for Research Problems in Manufacturing and Measurements	8.7.13	12.7.13	Engineering College teachers, 30	Self generation	Dr M J Davidson/Dr Venkiah/ Dr N Selvaraj
2	Computational Research Techniques in Design and Thermal Engineering	7.8.13	11.8.13	Engineering College teachers, 30	TEQIP-II, NIT Warangal	Dr Hari Kumar/Dr K K K/Dr S K
3	Scientific Computing with MATLAB	5.8.13	9.8.13	Engineering College teachers, 30	TEQIP-II, NIT Warangal	Dr Hari Kumar/Dr K K K/Dr S K
METALLURGICAL AND MATERIALS ENGINEERING DEPARTMENT:						
NATIONAL						
1	Five day Workshop on 'Navigating New Frontiers in Materials'	02.07.13	06.07.13	Academic Institutes, R&D and Industry (50)	TEQIP-II, NIT, Warangal	Prof. T. Srinivasa Rao, Dr.G.S.Reddy, Mr.V.R.Chary
2	Five day workshop on "Advances in Electron Microscopy"	09.12.13	13.12.13	Academic Institutes, R&D and Industry (40)	TEQIP-II, NIT, Warangal	Dr.C.Vanitha, Mr.V.R.Chary Dr.A.K.Khanra Dr.N.Narasaiah
3	One day Workshop on 'Recent Advances in Development, Processing, Characterization and Applications of Steels and Nonferrous metals'	27.12.13		Academic Institutes, R&D and Industry (40)	TEQIP-II, NIT, Warangal	Dr. M. K. Mohan, Mr.V.R.Chary

CHEMICAL ENGINEERING DEPARTMENT:						
i) International						
1	International Conference: Recent Trends in Chemical and Bioprocess Engineering	16.11.13	17.11.13	Faculty & Researchers	TEQIP-II	Convenor: Prof.Y. Pydi Setty Coordinators: Dr.Shirish Sonawane and Dr.S. Srinu Naik
ii) National						
1	Advanced Flow Reactor	4.10.13		For B Tech M. Tech and Ph.D students	TEQIP	Dr. Shirish Sonawane
COMPUTER SCIENCE AND ENGINEERING DEPARTMENT:						
National						
1	Workshop on Outcome Based Accrediation	04.03.14	06.03.14	Faculty	NIT Warangal	Prof. T Ramesh
2	National Workshop on Main Phase Pedagogy Methods	9.8.13	10.8.13	Faculty of Engineering Colleges and Industry Persons	MHRD-IITKGP-NITW (TEQIP-II)	Prof DVLN Somayajulu
3	Workshop on Outcome Based Accrediation	04.03.14	06.03.14	Faculty	NIT Warangal	Prof. T Ramesh
4	Outcomes - Based Engineering Education for Enhanced Employability	13.9.13	13.9.13	Faculty of NIT Warangal	TEQIP Phase-II	Prof. T. Ramesh
5	EMC Technology Day 2013	23.09.13	23.09.13	Faculty and Researchers	EMC, Bangalore	---
6	Workshop on Outcome Based Accrediation	04.03.14	06.03.14	Faculty	NIT Warangal	---
7	Big Data Conference	2013	2013	Conducted by ESCI	ESCI	---
8	IBM Seed Program on Rational Software Architect	15.07.13	16.07.13	Faculty	IBM	---
9	Analog Electronics	4.6.13	14.6.13	Faculty	ICT(MHRD)	---
10	IBM Seed Program on Rational Quality Managerand Rational Function Tester	5.8.13	7.8.13	Faculty	IBM	---
11	Workshop on Outcome Based Accrediation	04.03.14	06.03.14	Faculty	NIT Warangal	Prof. T Ramesh
12	Research Promotion Workshop on Introduction to Graph and Geometric Algorithms	23.10.13	25.10.13	Faculty	TIFR and NIT Warangal	Dr. R. B. V. Subramanyam Dr. P. V. S. Reddy
13	Teaching and Evaluation Methods for Effective Learning	15.7.13	17.7.13	Faculty of NIT Warangal	TEQIP Phase-II	Prof. B.V. AppaRao
14	Machine Learning & Text Analytics	15.12.13	23.12.13	Computer Sc. Department, South Asian University, N.Delhi	---	Dr. Vivek Singh
15	Teaching and Evaluation Methods for Effective Learning	15.7.13	17.7.13	Faculty of NIT Warangal	TEQIP Phase-II	Prof. B.V. AppaRao
16	National Workshop on Main Phase Pedagogy Methods	9.8.13	10.8.13	Faculty of Engineering Colleges and Industry Persons	MHRD-IITKGP-NITW (TEQIP-II)	Prof DVLN Somayajulu

17	Challenges in Big data research	9.11.13	13.11.13	Faculty of Engineering Colleges and Industry Persons	TEQIP Phase-II	Dr. Namita Mittal and Dr. Emmanuel S. Pilli
18	QIP short term course on Network Algorithms	9.9.13	13.9.13	Faculty	Department of CSE, IIT Guwahati	Dr. S. Karmakar
19	Second NKN Workshop	17.10.13	19.10.13	Faculties and Reseachers	IISc Bangalore	---
20	Workshop on Outcome Based Accrediation	04.03.14	06.03.14	Faculty	NIT Warangal	Prof. T. Ramesh
21	NOW-AP Workshop	21.03.14	21.03.14	Academicians	---	---
BIOTECHNOLOGY						
National						
1	National Workshop on "Environmental Biotechnology & Sustainability (EBTS-2013)"	25.10.13	26.10.13	Faculty and Research Scholars(60)	TEQIP-II	Dr.NARASIMHUL U K and Sri. ONKARA PERUMAL P
2	National Workshop on "Modelling, Simulation &Optimization of Bioprocesses"	08.11.13	10.11.13	Faculty and Research Scholars(40)	TEQIP-II	Dr R. SATISH BABU
3	National Workshop on "Environmental Biotechnology & Sustainability (EBTS-2013)"	27.12.13	29.12.13	Faculty and Research Scholars(50)	TEQIP-II	Dr.SREENIVASA RAO P
SCHOOL OF MANAGEMENT:						
National						
1.	Service Tax – Concept to Compliances	22.3.14	22.3.14	All Service Tax payers (30)	-	M Ravindar Reddy
CHEMISTRY DEPARTMENT:						
i) International						
1	Indo-UK Seminar on Molecular Imprinting: Strategies, Appli-cations andFuture Perspectives	5.2.14	7.2.14	Scientists and Faculty of Research and Academic Institutions in India and UK (40 participants)	DST, India and NEERI, Nagpur, India	Dr. K.V. Gobi
ii) National						
1	TEQIP Innovation Meet 2013	25.9.13	26.9.13	Al Technical Education Institutions in the Country	TEQIP-II	Dr.I.A.K.Reddy
2	Management Development Program for NIT Warangal	25.6.13	26.6.13	Faculty of NIT Warangal	TEQIP-II	Dr. A. Ramachandraiah
3	NBA Awareness workshop	22.8.13	25.8.13	NIT, Suratkal	TEQIP-II	
4	Promoting Excellence in Research among NITs Through E-Journals	12.7.13	13.7.13	NIT, Warangal	TEQIP-II	Prof. B.V. Appa
5	Teaching and Evaluation Methods for Effective Learning	15.7.13	17.7.13	Faculty of NIT Warangal (50 participants)	TEQIP-II, NIT Warangal	Prof. B.V. Appa Rao and Prof. I. Ajit Kumar Reddy

6	Innovations in Materials and Processes and Transfer of Technology to Industries	17.10.13	19.10.13	Faculty members of NIT Warangal (50 participants)	TEQIP-II, NIT Warangal	Prof. B.V. Appa Rao, Prof. M.K. Mohan
7	Modern Instrumental Methods of Inorganic Chemical Analysis of Engineering Materials	22.10.13	26.10.13	Faculty members of Academic Institutions and NIT Warangal, and Research Scholars of NIT Warangal (80 participants)	TEQIP-II, NIT Warangal	Prof. A. Ramachandraiah, Prof. K. Laxma Reddy
8	8th Chemical Research Society of India-Royal Chemical Society joint symposium in Chemistry	06.02.14	06.02.14	For the researchers and students	IIT Bombay and DST (2000)	Department of Chemistry, IIT Bombay
9	16thChemical Research Society of India National Symposium in Chemistry	07.02.14	09.02.14	For the researchers and students	CRSI, IIT Bombay and DST (5000)	Department of Chemistry, IIT Bombay
10	National workshop on "Modern Instrumental Methods of Inorganic Chemical Analysis of Engineering Materials (MIMICAEM)	22.10.13	26.10.13	Faculties, Research Scholars	TEQIP-II (NIT Warangal)	Prof. A. Ramachandraiah Co-Coordinator Prof. K. Laxma Reddy
11	National Workshop on "Primary Computational Methods for Chemical Research"	20.9.13	22.9.13	Faculty and Research Scholars (50)	TEQIP-II (NIT Warangal)	Prof. A. Ramachandraiah Co-Coordinator Prof. K. Laxma Reddy
12	National workshop on "Innovations in Electochemical Science and Technology (IEST)"	10.12.13	14.12.14	Faculty and Research Scholars (50)	TEQIP-II (NIT Warangal)	Dr. K.V. Gobi and Prof. B.V. Appa Rao
13	Teaching methodologies for effective learning	05.02.14	09.02.14	New Faculties	TEQIP-II (NIT Warangal)	Prof. B. V. Appa Rao Prof. I.A .K. Reddy

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	D. Ravi Prasad* **D. Rama Seshu**	Identification of Modal Parameters by Impact Hammer Technique	EJSE (Accepted for publication)
2	S.S. Baral, K. Raja Shekar, Megha Sharma, **P.V. Rao,**	Optimization of leaching parameters for the extraction of rare earth metal using decision making method,	Hydrometallurgy, 2014, Vol. 143, PP. 60–67.
3	Arnepalli Syamkumar, Kamineni Aditya, and **Venkaiah Chowdary**	Development of mode-wise noise prediction models for the noise generated due to tyre-pavement surface interaction	Advanced Materials Research, 2013, 723, 50-57.
4	K. Harsha Priya, **K.V. R. Ravi Shankar, C. S. R. K. Prasad**, and T.S. Reddy	Evaluation of area traffic management measures using microscopic simulation model	Procedia - Social and Behavioral Sciences, 2013, 815–824.
5	**Mehar, A.**, Chandra, S., and Velmurugan, S.	Highway capacity through VISSIM calibrated for mixed traffic conditions	KSCE Journal of Civil Engineering, 2014, 18(2), 639-645.
6	**S Venkateswara Rao,** M V Seshagiri Rao, D Ramaseshu and P Ratish Kumar,	A rational Mix design procedure for self compacting concrete	Journal of Cement Wapno Beton, Volume No.5, 2013, pp 271 – 280.
7	**P.Rathish Kumar,** C.Sumanth Reddy and M.Salimbaig	"Compressive Stregth Performance of high strength concretes using binary supplementary cementitious materials",	International Journal of Cement Wapno Beton, Vol.1, MARZEC-KWIECIEN 2014, ISSN-1425-8129, pp 8-16.
8	**P.Rathish Kumar**	"Mechanical and Durability Properties of Self Compacting Concrete with recyceld concrete aggregate",	International Journal of Scientific and Engineering Research, Vol 4, issue 5, May 2013, pp 260-263.
9	C.Sumanth Reddy and **P.Rathish Kumar**	"Recycling of Construction And Demolition Waste for Sustainability – An Overview of the use of Recycled Concrete Aggregates",	International Journal of 3R's(Repair, Restoration and Renewal Engineering), Oct-Dec 2013, Vol 4, No.4, 2013, pp-641-653, Published by Dr.Fixit Institute of Structural Protection & Rehabilitation,Mumbai,India.
10.	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), pp 409-412, 2013
11	Reshma, Venkata Reddy, **Deva Pratap**	Simulation of Event Based Runoff Using HEC-HMS Model For an Experimental Watershed	International Journal of Hydraulic Engineering, Vol. 2, No. 3., 42-46, 2013
12	Y.Navatha, K.Venkata Reddy, **Deva Pratap,** S.B.Sharma	Preparation of Digital Elevation Model from Cartosat-1 Stereo Data, Geoinformatics and Geostatisctics	An overview. Paper accepted for publication, 2014.
13	Srinivasa Prasad, A., **N V Umamahesh** and G K Viswanath	Short-Term Real-Time Reservoir Operation for Irrigation	Journal of Water Resources Planning and Management, ASCE, 139(2), pp 149-158
14.	Prasad V K S V Gottipati and **Umamahesh V Nanduri**	Equity in water supply in *intermittent* water distribution networks	*Water and Environmental Journal* (Accepted for publication and published online) doi:10.1111/wej.12065

15	Pritanjali Shende, Tarun Kandpal, C K Anoop, E Venkata 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 pp66-69.
16	Tarun Kandpal, C K Anoop., E. Venkata Rathnam, K. V. Jayakumar,	"Simulation of Groundwater flows around an urban lake using processing MODFLOW",	International Journal of Water Resources and Environmental Management, ISSN:2229-5933, Vol.4, issue 2, pp 89-105
17	Pritanjali Shende, C K Anoop, E Venkata Rathnam, K. V. Jayakumar	" Seasonal monitoring of Quality of Lake and Groundwater",	Research & Reviews: Journal of Engineering and Technology, ISSN:2319-9873, Vol.2, issue 3, pp54-160.
18	Priyanka Narayanan, Ajey Kumar Patel and KV Jayakumar	Life cycle Assessment of Wastewater Treatment Plants	Research & Reviews, Journal of Engineering and Technology, Vol.2, Issue 3, pp. 209- 212,
19	G. Venkatesham, M. Chandra Sekhar, T.Bala Narsaiah, RS.Dave	"Municipal Solid Waste Management - A review",	Journal of the Institution of Public Health Engineers, India, Vol. 2013-14, No. 2, pp. 36-42

* **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.	Priyanka Narayanan, **Ajey Kumar Patel** and KV Jayakumar	Lifecycle Assessment of Wastewater Treatment Plants	Res. & Rev J. of Engg. Tech., Vol.2, Issue 3, 209-212
2.	K. B. Raghuram, and **Venkaiah Chowdary**	Performance evaluation of stone matrix asphalt using low cost fibres	Journal of the Indian Roads Congress, 2013, 74(2), 159-174.
3.	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, Vol 41, No. 2, 269-277, 2013.
4.	**Chandra Sekhar Matli and N V Umamahesh**	Modelling Pollutants in Krishna River using Adaptive Neuro-Fuzzy Inference Systems	Journal of Institute of Engineers (India) Series A, Accepted for publication, Published online on 19.05.2014 (DOI: 10.1007/s40030-14-0064-0), Springer

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

B. Presentations in Conference / Symposia etc.,

i) ***International Presentations***

Sl. No.	Authors (*)	Title of the Paper	Oral / Poster	Event Details (Event, Place, Dates)
1	**Dr. M. Chandra Sekhar**	Modelling Stream Water Chemistry using River Basin Landuse Characteristics	Oral	International Conference on Energy, Environment and Sustainable Economy, Bangkok, Thailand, 01st December 2013-04th December 2014
2	**Dr. Ajey kumar Patel**	A Novel Self Inducing Mechanical Surface Aerator	Oral	7th International Symposium on Environmental Hydraulics, Singapore, 07th January- 09th January 2014.
3	**Ramana Murty V., Hari Krishna P.**	Improvement of Murrum Soils for their use in Pavement Construction	Oral	1st Annual Int. Conf. on Architecture and Civil Engg. (ACE, 2013), Singapore

4	**Hari Krishna, P., Ramana Murty V.**	Field Studies on Remedial Techniques in Expansive Soils	Oral	1st Annual Int. Conf. on Architecture and Civil Engg. (ACE, 2013), Singapore
5	Venkata Koteswara Rao P., **P. Hari Krishna, T.D.Gunneswara Rao**	A review on soil-structure interaction of building frames supported by foundations	Oral	International Conference on Emerging Trends in Civil Engineering, Hyderabad, 2014
6	**Ramana Murty V.,** Pranav P.R.T, Arun Francis	Evergreen Housing Systems using Geomembrane Liner in Roof Slabs	Oral	INACES-2014, An International Conference, Coimbatore
7	**D. Ravi Prasad** D. Rama Seshu	Damage Detection in Reinforced Concrete Beams From Measurement of Modal Frequencies	Oral	Accepted for publication in an International Conference on Mechanical, Civil and Material Engineering *during Jul 11-13 2014 (*ICMCME*), Phuket, Thailand*
8	**Ajey Kumar Patel,** Achanta Ramakrishna Rao and Virendrasingh Pawar	Computational and experimental modelling of pump sump	Oral	HYDRO 2013 International-XVIII Conference on Hydraulics, Water Resources, Coastal and Environmental Engineering, Chennai, 4-6 Dec, 2013
9	C.Sumanth Reddy, Ratnasai and **P.Rathish Kumar**	"Study on the mechanical and durability aspects of sustainable self comapcting concrete made from buidling demolished concrete wastes",	Oral	Third International Conference on Sustainable Construction Materials and Technologies-SCMT3, organised by Japan Concrete Institute, Kyoto Researach Park, Japan during 18-21st August, 2013.
10	Vikram Singth Thakur, C.Sumanth Reddy and **P.Rathish Kumar**	Structural Behaviour of ferrocement confined reinforced self compacting concrete (FCRSCC) under axial compression	Oral	Third International Conference on Sustainable Construction Materials and Technologies-SCMT3, organised by Japan Concrete Institute, Kyoto Researach Park, Japan during 18-21st August, 2013.
11	MohdShoab., Kamal Jain., **Shashi, M** and MohdAnulHaq.,	Development of Field GIS Data Collection tool for Smartphones	Oral	International Symposium on Mobile Mapping Technology, Tainan, Taiwan, May 1-3, 2013.
12	Anoop C .K., E.Venkata Rathnam and K V Jayakumar	An Isotopic Approach for Water Management in Urban Areas	Oral	Proceedings of the national workshop on Challenges and Perspectives of Conservation in Urban Areas", organised by the Central Groundwater Board at Hyderabad, 20th March, 2014
13	Yadav S, N. Haripriya, P.Mandal and K VJayakumar	Monitoring of Particulate Matter during Post Diwali Week - A Case Study of NIT Warangal Campus	Oral	Proceeding of the National Conference on Environment: Pollution and Protection (EPP-2014), NIT Durgapur Jan 30-Feb,2014
14	Shilpa L S, Anoop C K, E.Venkata Rathnam and K V Jayakumar	"Effects of urbanisation on Groundwater Resources",		Proceedings of the national workshop on Challenges and Perspectives of Conservation in Urban Areas", organised by the Central Groundwater Board at Hyderabad, 20th March, 2014
15	Mayuri Yadv and K V Jayakumar	Use of Biotechnology Interventions For The Treatment of Tannery Effluent In Warangal		Proceedings of the International Conference on Water, Wastewater and Isotope Hydrology, hosted by Bangalore University, July, 25-27, 2013

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

ii) ***National Presentations***

Sl. No.	Authors (*)	Title of the Paper	Oral / Poster	Event Details (Event, Place, Dates)
1	**Dr. E. Venkata Ratnam**	Water Balance Studies of Lakes in Warangal city using Isotope Tracer Techniques	Oral	International Conference on Water, Waste Water, Isotope, Bangalore, 25th July – 26th July 2013.
2	**Dr. E. Venkata Ratnam**	Analysis of Water Hammer, Pressure Heads in Pump line Systems	Oral	National conference on Sustainable Water Resource Development and Management, Aurangabad, 30th September- 1st October, 2013
3	**Navatha, K.V.Reddy, Deva Pratap**, Charan Teja	Basic Facility Availability Analysis and Planning in Rural Areas using Geospatial Technologies	Oral	National Symposium on Remote Sensing and GIS , Andhra university, Visakhapatnam, 04th December 2013- 06th December 2013
4	Deepthi Mariam Abraham, and **K.V.R. Ravi Shankar**	Modelling of weak lane discipline following behaviour in mixed traffic conditions	Poster	Symposium for the Dissemination of Findings from the Indo-US Joint Network Centre on Intelligent Transportation Systems, IIT Madras, December 9-10, 2013.
5	**Dr. K.V.R. Ravi Shankar**	Evaluation of Area Traffic Management Measures using Microscopic Simulations Model	Oral	2nd Conference of Transportation Research Group of India, Agra, 11th December 2013- 13th December 2013.
6	**Dr. Venkaiah Chowdary**	Performance Evaluation of Stone Matrix Asphalt using Low cost Fibers	Oral	Annual Session of India Road Congress, Guwahati, Assam. 20th January 2014 – 24th January 2014.
7	**Hari Krishna P., Ramana Murty V.**, Nachiappan P.	Pull Out Behaviour Of Granular Anchor Piles – Fem Approach	Oral	Indian Geotechnical Conference – 2013, Roorkee
8	**Ramana Murty V., Hari Krishna P.**	Use OF Cement Modified Marginal Soils For Preparation Of Soil Bags	Oral	Indian Geotechnical Conference – 2013, Roorkee
9	**M. Heeralal**, Mohammad Waheed	A study on Interfacial Frictional Characteristics of Rock Flour with Geotextiles	Oral	National Conference on New Trends in Civil Engineering and Earth Sciences, 2013
10	Venkata Koteswara Rao P., **Hari Krishna P. Ramana Murty V.**	Granular Anchor Piled Footings – an Alternative treatment in Expansive Soils	Oral	Fourth Indian Young Geotechnical Engineer's Conference-2013, Chennai
11	M.L.V.Prasad and **P.Rathish Kumar**	Stress-Strain Relationships of Fiber Reinforced Self Compacting Recycled Aggregate Concrete	Oral	National Conference on Sustainable Construction Materials and Technologies (SCMAT 2013), organized by the Department of Civil Engineering, NIT Warangal during 15-16 March, 2013, pp 69-76.
12	Nagavarma, Amar D and **P.Rathish Kumar**	Load Transfer Efficiency of Concrete-Flyash Blocks	Oral	National Conference on Sustainable Construction Materials and Technologies (SCMAT 2013), organized by the Department of Civil Engineering, NIT Warangal during 15-16 March, 2013, pp 84-94.
13	K.L.Radhika and **P.Rathish Kumar**	Mix Design Methodology for Self Compacting Concretes based on Compressible Packing Model (CPM)	Oral	National Conference on Sustainable Construction Materials and Technologies (SCMAT 2013), organized by the Department of Civil Engineering, NIT Warangal during 15-16 March, 2013, pp 109-115.

14	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), organized by the Department of Civil Engineering, NIT Warangal during 15-16 March, 2013, pp 140-144.
15	Anoop, C. K., **Shashi. M.,** VenkataRatnam, E & **Jaya Kumar, K. V.,**	Surface runoff estimation and water balance studies of Dharmasagar tank using Geographical Information Systems	Oral	National Seminar on Irrigation Technology of Kakatiyas, NIT Warangal, November 8-10, 2013.
16	Avinash Prasad. G., **Shashi. M.,** PreethiLatha, T., Nagamani, P. V., Prasada Rao, T. D. V., Rao, K. H & Choudhury, S. B.	Seasonal and inter Annual variability of Chlorophyll-*a* concentration over the north Indian ocean using ocean colour Remote Sensing: Initial Results	Oral	National Symposium on Remote Sensing and GIS for Environment with special emphasis on Marine an Coastal Dynamics, Andhra University, Visakhapatnam, December 4-6, 2013.
17	Agilan, V & **Shashi, M.,**	"Measurement of RanaPratapSagar reservoir level variations with Satellite Altimetry"	Oral	National Symposium on Remote Sensing and GIS for Environment with special emphasis on Marine an Coastal Dynamics, Andhra University, Visakhapatnam, December 4-6, 2013.
18	Y. Navatha, K. Venkata Reddy, **Deva Pratap**	Planning of Basic Amenities in Rural Areas using GPS and GIS Technologies	Oral	National Symposium on Remote sensing and GIS for environment, ISG Vizag, Vishakapatnam, 4-6 December, 2013.
19	T. Reshma, K. Venkata Reddy, **Deva Pratap**	Optimum Watershed Parameters search for Runoff Simulation using Geospatial data based HEC-GEOHMS Model	Oral	National Symposium on Remote sensing and GIS for environment, ISG Vizag, Vishakapatnam, 4-6 December, 2013.
20	**K V Jayakumar**	Traditional Water Management Methods	Keynote address	28th Jan, 2014 Kerala Science Congress, Wyanad, Kerala
21	**K V Jayakumar**	Water and Energy	Theme address	World Water Congress organised by the WALAMTARI and International Water Management Agency, March 22, World Water Day, Hyderabad
22	**K V Jayakumar**	Trends in Urban Water Management at the National Workshop on Challenges and Perspectives of Water in Urban Areas of Andhra Pradesh		Organised by the Central Groundwater Board, Ministry of Water Resources, Government of India, Hyderabad, 20th April, 2014
23	**N V Umamahesh**	Sustainable Urban Water Management	Key Note Address	Silver Jubilee Conference on Cities and Sustainability, held at IGIDR, Mumbai during 29-30 October, 2013
24	**N V Umamahesh**	Applications of Mathematical Modelling for Sustainable Water Resources Management	Key Note Address	National Conference on Sustainable Water Resources Management (SWaRM-14) held at MVGR College of Engineering, Vizianagaram during 21-22 February, 2014

* **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	Chandrasekhar Yammani, **Sydulu Maheswarapu, Sailaja kumari Matam.**	Optimal placement and sizing of DER's with load Variations using Bat algorithm	Arabian Journal for Science and Engineering (AJSE) - Accepted to publish
2	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.
3	**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
4	**B.Nagu, P.V.Ramana Rao, M.Sydulu**	Improvement of AC System Stability using ANN based HVDC Controls	International journal of Electrical and Computer Engineering (IJECE) , ISSN:2088-8708, Vol.3 No.4, pp.441-455, August 2013
5	**B.Nagu, P.V.Ramana Rao, M.Sydulu**	Versatile PID-HVDC Controls for Enhancement of Power System Stability	Journal of Electrical Engineering, Romania,(accepted).
6	J. Vijaya Kumar and **D.M. Vinod Kumar**	Generation Bidding Strategy in a Pool based Electricity Market using Shuffled Frog Leaping Algorithm	Accepted for publication in Applied Soft Computing , Elsevier Publications.
7	C Venkatesh and **D V S S Siva Sarma**	Wavelet feature-based modular neural network for detection and classification of power quality disturbances	International Journal of Power Electronics, Vol:5, No:1, pp.17-29,Indersciencepublishers May- 2013
8	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). Vol. 8. No. 3, pp. 962-970, June 2013
9	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.
10	S.Porpandiselvi and **N.Vishwanathan**	Single Inverter Configuration for Simultaneous Dual Frequency Induction Hardening with Independent Control	European Power Electronics and Drives Journal, Vol. 24, No.1, 2014.
11	B.Vijay kumar, **N.V Srikanth**	Controlling of UPFC parameters using fuzzy logic based supplementary damping controller	International journal of Energy and Power Engineering. 2013:2(4) pp147-153
12	Srinivasan Pradabane, **N.V.Srikanth**,B.L. Narasimharaju	A new alternate Fixed-bias inverter SVPWM scheme for open-end winding induction motor drive	International Review of Electrical Engineering, Vol. 9, No. 1, pp. 1–6, February 2014. (Impact Factor = 0.57)
13	Srinivasan Pradabane, **N.V. Srikanth**, B.L. Narasimharaju,	Investigation of Device Temperature on Power Electronics Switches used in open-end winding induction motor drive for Alternate fixed-bias inverter scheme	International Review of Electrical Engineering, Feb 2014, Vol. 9, No. 1, pp. 36 - 41.
14	M. Ajay kumar, **N.V.Srikanth**	An Adaptive Neuro Fuzzy Inference System Controlled Space Vector Pulse Width Modulation Based HVDC Light Transmission System Under AC Fault Conditions.	Central European Journal of Engineering, Poland, Springer publications. Vol. 4(1), pp. 27-38, March 2014.
15	A. Kirubakaran, D. Vijayakumar	Development of LabVIEW-based multilevel inverter with reduced number of switches	International Journal of Power Electronics, Inderscience, 2014, Vo.6., No.1, pp. 88-102
16	Vinay Kumar.T and **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.

17	Vinay Kumar.T and **S.Srinivasa Rao**	Hardware Implementation of Direct Load Angle Control of Induction Motor Drive	Electrical Compounds and systems, Taylor & Francis, USA. (Accepted for publication)
18	Chunduri Sreeharsha, Anurag Das, Srinivasan Pradabane	Comparative Evaluation of Sinusoidal and Space Vector Pulse Width Modulation Techniques for a Cascaded three-level Inverter	International Journal of Research in Engineering and Technology; IF = 1.962, Vol 2, Issue 9, pp 365 -370
19	Dr.P. Suresh Babu, Dr. S.V.Jayaram Kumar, Mrs. P. Rohini Krishna Chaitanya	Adaptive Protection of DG installed Distribution System with Novel Voltage Relaying Technique	International Journal of Micro and Nano Systems,Vol.4 No.2 July-December 2013, pp. 93-105 (ISSN: 0975-3494)
20	P.C.Sekhar and S.Mishra	TS Fuzzy Based Incremental Conductance Algorithm for MPPT of a PV Generating System	IET Renewable Power Generation (Accepted for Publication)
21	P.C.Sekhar and S.Mishra	Sliding Mode Based Feedback Linearizing Controller for Grid Connected Fuel Cell DGs in Multi-DG Scenario	International Journal of Electrical Power and Energy Systems – Elsevier, Vol. 60, pp. 190–202, 2014
22	P.P.Zarina, S.Mishra and P.C.Sekhar	Exploring Frequency Regulation Capability of a PV System in a Hybrid PV-Rotating Machine-Without Storage Power System	International Journal of Electrical Power and Energy Systems – Elsevier, Vol.60, pp. 258–267, 2014
23	S.Mishra, D.Ramasubramanian and P.C.Sekhar	A Seamless Control Methodology for a Grid Connected and Isolated PV-Diesel Microgrid	IEEE Transactions on Power Systems, Vol. 28, pp. 4393-4404, 2013

* **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	Chandrasekhar Yammani, Sowjanya, **Sydulu Maheswarapu, Sailaja Kumari Matam**	Optimal placement and sizing of DER's with load models using a modified teaching learning based optimization algorithm	Oral	IEEE International Conference on Green Computing, Communication and Electrical Engineering, Coimbatore, INDIA. during 7th to 8th March 2014.
2	Sunny Kumar and **M Sydulu**	Bidirectional DC-DC Converters for Integration of Battery Energy Storage System for DC grid	Oral	International Conference on Electrical, Electronics and Computer Science - 2014 at Gurgaon, during 14-18, Feb, 2014
3	Y lakshmi Reddy and **M Sydulu**	Firefly Algorithm for Radial Distribution Network Reconfiguration	Oral	IEEE International Conference on Computational Systems in Engineering and Technology (ICCSET 2014) at Pennalur, Chenai, Tamilnadu, during 07-08, March 2014
4	Satish Kumar Kotthapally, **Sydulu Maheshwarapu**	Optimal PMU Placement Techniques for the Topological Observability of a Partial Network of the Southern Grid of India	Oral	Third International Conference on Advances in Contorl and Dynamical Systems, at IIT Kanpur, during 13-15, March, 2014.
5	Lakshmi Reddy Yeruva, Sathiyanarayanan T, **M Sydulu**	Application of Firefly Algorithm for Radial Distribution Network Reconfiguration	Oral	Third International Conference on Advances in Contorl and Dynamical Systems, at IIT Kanpur, during 13-15, March, 2014.
6	T Dinesh Varma and D **M Vinod Kumar**	Multi-Objective Economic Emission Load Dispatch using Teacher-Learning Based Optimization Technique	Oral	Third International Conference on Advances in Contorl and Dynamical Systems, at IIT Kanpur, during 13-15, March, 2014.

7	O V S R Varaprasad, Rakesh Kumar Pand, **D V S S Siva Sarma**	A Novel Synchronous Sampling algorithm for power system harmonic analysis	Oral	IEEE Annaul Indian Conference INDICON-2013, Indian Institute of Technology Bombay, Mumbai, during Dec., 13th – 15th, 2013.
8	D Bharath Kumar, O V S R Varaprasad and **D V S S Siva Sarma**	Hysteresis Current Controlled Active Power Filter for Power Quality Improvement in Three Phase Four Wire Electrical Distribution System	Oral	IEEE 2nd International Conference on Advanced Communication Control & Computing (ICACCCT) at Syed Ammal Engineering College, Ramanathapuram, India during 08-10, May 2014.
9	O V S R Varaprasad, and **D V S S Siva Sarma**	An Improved SVPWM based Shunt Active Power Filter for Compensation of Power System Harmonics	Oral	IEEE 16th International Conference on Harmonics and Quality Power (ICHQP-2014), Bucharest, Romania, during 25-28, May-2014.
10	N Subrahmanyam, T Praveen Kumar and **M Sydulu**	Control strategies for a grid connected hybrid energy system	Oral	IEEE TENCON SPRING 2013, Sydney, Australia, during 17-19, April 2013
11	N Subrahmanyam,D Sudha Rani and **M Sydulu**	Self adaptive harmony search algorithm for optimal capacitor placement on radial distribution systems	Oral	International Conference on Energy Efficient Technologies for Sustainability (ICEETS), 2013, Tamilnadu, April 10th-12th, pg no. 1330 - 1335
12	N Subrahmanyam, T Praveen Kumar and **M Sydulu**	Conventional and Intelligent Control of SOFC DG Systems	Oral	IEEE International Conference on Power Systems (ICPS-2103), Kathmandu, Nepal during October 2013.
13	N Subrahmanyam, T Praveen Kumar and **M Sydulu**	Fuzzy Controlled Power Management Strategies for a Grid Connected Hybrid Energy System	Oral	2014 IEEE PES Transmission & Distribution Conference & Exposition, 14 - 17 April 2014 in Chicago, IL, USA.
14	N Subrahmanyam, D Sudha Rani and **M Sydulu**	Invasive Weed Optimization for Active Power Loss Reduction in Distribution Systems	Oral	IEEE The International Conference on Green Computing, communication and Electrical Energy (ICGCCEE'14) , Coimbatore 7th to 8th Mar, 2014
15	N Subrahmanyam, T Praveen Kumar and **M Sydulu**	Control Strategies of a Fuzzy Controlled solid Oxide Fuel Cell/Battery Distributed Generation System for Power Quality Enhancement	Oral	ICCPCT-2014) during March 20th & 21st , 2014, Nagercoil, Tamilnadu
16	N Subrahmanyam, D Sudha Rani and **M Sydulu**	Self Adaptive Harmony Search Algorithm For Optimal Network Reconfiguration	Oral	5th annual IEEE Power and Energy Conference at Illinois (PECI),2014, U.S. 28th Feb-1st Mar, 2014
17	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 (ICCPEIC). Chennai. during 17-18,April -2013.
18	M Ajay kumar, and **N V Srikanth**	Dynamic Performance of an Adaptive Neuro Fuzzy Interface based vector controlled HVDC light Transmission system	Oral	IEEE Internation Conference on Power Systems (ICPS-2013), Kathmandu,Nepal, during 28-30, Oct-2013.
19	M Ajay kumar, **N V Srikanth**	Dynamic Performance of a Fuzzy PI Controlled SVPWM Based HVDC Light Transmission System	Oral	IEEE Annaul Indian Conference INDICON-2013, Indian Institute of Technology Bombay, Mumbai, during Dec., 13th – 15th, 2013.
20	M Ajay kumar, **N V Srikanth**	Fast Fault Recovery of a Grid Integrated Wind farm based HVDC light Transmission system	Oral	IEEE - ISGT 2014, Kulalumpur, Malaysia. during 20-23, May 2014.

21	B Nagu, P V Ramana Rao and M Sydulu	Improvement of Power System Stability using ANN based HVDC controls	Oral	International Conference on Electrical, Computer, Electronic and Communication Engineering (ICECEC 2013), Amesterdam, Netharlands, during 15-16, May 2013.
22	Srinivasan Pradabane	Investigation on Device Temperature in Open-end Winding Induction Motor Drive for Alternate Fixed-Bias Inverter Scheme", IEEE International Conference, ICGCE 2013	Oral	International Proc., ICGCE'13 Conference, Chennai, India, Dec 2013.
23	Srinivasan Pradabane	A New SVPWM for Three-level Open-end Winding Induction Motor Drive	Oral	International Proc., ICGCE'13 Conference, Chennai, India, Dec 2013.
24	Ch Ramulu and Sachin Jain	Single Stage PV Source Based Dual Inverter Fed Open-End Winding Induction Motor Pump Drive	Oral	IEEE Students Conference on Electrical, Electronics and Computer Science 2014 Maulana Azad National Institute of Technology Bhopal,India,during:1st-2nd March-2014
25	Saptarshi Roy and P Suresh babu	Power Swing Protection of Series Compensated Transmission line with Novel Fault Detection Technique	Oral	IEEE International Conference on Green Computing, Communication and Electrical Engineering, Coimbatore, INDIA. during 7th to 8th March 2014.
26	Hagos hadgu, A Kirubakaran	A Front End Boost Asymmetrical Multi Level Inverter With Single Input Source	Oral	IEEE ICAEE'14, VIT University, Vellore, 9 – 11th January 2014
27	Chinmaya K A and M Udaya Bhasker	Analysis of different SVPWM techniques for a Five phase Inverter	Oral	International Conference on Power Electronics and Drive Systems, Amesterdam, Netharlands, during 15-16, May 2014

* 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 M Vinod Kumar**	Synchro Phasor measurements for Distribution systems	Oral	All India Seminar at IE(India), Hyderabad during 15-16, July, 2013
2	Chinmaya K A and Udaya Bhasker M	Modelling Simulation and Analysis of a Five-Phase Voltage Source Inverter	Oral	NCPSE'14, Amrita University, Coimbatore, Tamil Nadu

* 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	Sindhu Ravichettu, G. Amba Prasad Rao, **K. Madhu Murthy,**	Application of Control Systems to Meet Stringent Emissions of Modern Automobiles: A Review	Trends in Mechanical Engineering & Technology, 2013, Volume 3, Issue 1, pp. 9-17, ISSN: 2231- 1793
2	P. Subhash Chandra Bose, **C.S.P Rao**	Evaluation of optimum cutting parameters in turning of Nimonic 75 using RSM.	International journal on theoretical and applied research in mechanical engineering Volume-2,pg no.17-30, 2013
3	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, April 2013
4	**C.S.P.Rao**	Improved Music Based Harmony Search Algorithm (IMBHSA) for solving Job Shop Scheduling Problems (JSSPs)	International Journal of Programming Languages and Applications, July 2013
5	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
6	A. Devaraju, **A. Kumar,** B. Kotiveerachari	Influence of Reinforcements (SiC & Al2O3) and Rotational speed on Wear and Mechanical properties of Aluminum alloy 6061-T6 based Surface Hybrid Composites produced via Friction stir processing	Materials & Design, 2013,51,331-341
7	A. Devaraju, **A. Kumar,** B. Kotiveerachari	Influence of Rotational speed and Reinforcements on Wear and Mechanical properties of Aluminum Hybrid Composites via Friction stir processing	Materials & Design, 2013, 45, 576–585
8	**Davidson,** Asit Kumar Khanra	Desalegn Wogaso W, **M J,** Studies on the Formability of Powder Metallurgical Aluminum-Copper Composites,	Materials and Design, Elsevier(Accepted for Publication), Impact Factor=2.2
9	Ch Hari, **M J Davidson,** Nagaraju Ch, Ramesh Kumar P	Effect of lubrication in Cold Upsetting Using Experimental and Finite Element Modeling	ASTM-Journal of Testing and Evaluation,ASTM International(Accepted for Publication), Impact Factor=0.349
10	G. Venkateswarlu, **M. J. Davidson,** G. R. N. Tagore	Application of Taguchi Method on Biaxial Stretch Forming of Friction Stir Processed Mg AZ31B Alloy,	Transactions of the Indian Institute of Metals 2014 (67)1, 79-86-SPRINGER, (Impact Factor: 0.22)
11	N. Bhanodaya Kiran Babu, **M. J. Davidson,** A. Neelakanteswara Rao, K. Balasubramanian, M. Govindaraju	Effect of Differential Heat Treatment on the Formability of Aluminium Tailor Welded Blanks	Materials and Design (Elsevier), Volume 55, March 2014, Pages 35–42.(Impact Factor: 2.20)
12	Venkateswarlu, A K Singh, G, **Davidson M. J,** Tagore G. R. N	Effect of Microstructure and Texture on Forming Limits in Friction Stir Processed AZ 31B Mg Alloy.	Journal of Materials Research and Technology(Elsevier),01/2014; 2(2):135-140
13	L Venugopal, **M J Davidson,** N Selvaraj	Effect of Elevated Temperatures on the Formability of AA2014 Thin Walled Tube Ends,	Materials and Manufacturing Processes, (Taylor & Francis) 02/2013; 28(3). (Impact Factor: 1.06)

14	Venkateswarlu G , Devaraju D, **Davidson M.J**, Kotiveerachari B, Tagore G.R.N	Effect of Overlapping Ratio on Mechanical Properties and Formability of Friction Stir Processed Mg AZ31B Alloy	Materials and Design (Elsevier), 03/2013; 45(2013): 480-486.(Impact Factor: 2.20)
15	Someswara Rao, p. ravi kumar, **p.subhash Chandra bose**	Design and development of aerosolar car,	International journal on theoretical and applied research in mechanical engineering Volume-2,pg no.31-34
16	Govardhan Goud **R.N. Rao**	Combined effect of alkali and silane treatments on tensile and impact properties of roystonea regia natural fiber reinforced epoxy composites	Applied Polymer Composites, vVol. 1, No. 3, (2013)187-196
17	G Srinivasu, **R.N. Rao**	Artificial Neural Network Approach for the prediction of stress–strain curve of near β Ti alloy,	Rare Metals (Springer), (Accepted for Publication)
18	Venkateswara Rao P., and **Veeresh Babu A**	Performance and Emission Characteistics of Diesel Engine Using Waste Fried (Groundnut) Oil Methyl Ester – Diesel Blends The	IUP journal of Mechanical Engineering Vol.VI (2013), No.2, pp. 5 to 14

* Name of the Faculty of the Department to be emboldened

ii) *Peer – Reviewed National Journal Publications*

NIL

B. Presentations in Conference / Symposia etc.,

i) *International Presentations*

S. No.	Authors (*)	Title of the Paper	Event Details (Event, Place, Dates)
1	**P. Subhash Chandra Bose**	, Design and development of aerosolar car,	International Conference on Advanced Engineering and Technology,Mysore, 2013, Pg No. 66-79
2	**P. Subhash Chandra Bose**	Some investigations on machinability of Nimonic-75 using Response Surface Methodology,.	International Conference on Advanced Engineering and Technology,Mysore, 2013, Pg No. 66-79
3	**V R K Raju,**	Taylor vortices in the flow between two coaxial cylinders one of which has a step change in radius, 2014	*Fluid Dyn. Res.* 46, 015506. doi:10.1088/0169-5983/46/1/015506
4	**R.N. Rao**, S.L.T.Devi	Wear Regimes of Al-Cu-Mg Matrix Composites,	World Academy of Science, Engineering and Technology, 76 (2013) 663-667.
5	**G Srinivasu, R.N. Rao**	Tribological behaviour of near β titanium alloy as a function of a+β solution treatment temperature,	International Journal of Materials & Design,50(2013)997–1004,ELSEVIER, ISSN: 0261-3069.
6	**R.N. Rao**, S. Das, D.P. Mondal, G. Dixit, S.L.Tulasi Devi,	Dry sliding wear maps for AA7010 (Al-Zn-Mg-Cu) aluminium matrix composite,	Tribology International, April 2013, 60 (2013) 77-82,ELSEVIER,ISSN: 0301- 679X
7	Srinivasu Gangisetti, **R.N. Rao**, T. K. Nandy, Deepak Kumar Gupta	Finite Element Modeling of a Particle Size on the Stress Strain Curve of Near Beta Ti alloy,	International Journal of Materials & Design, April 46 (2013) 8–15. ELSEVIER, ISSN: 0261-3069.
8	Satyanarayana Kosaraju, **Venu Gopal Anne** and Bangaru Babu Popuri,	"Experimental Investigations and Modeling of Machining Titanium Alloy – Ti-6Al-4V",	Journal of Applied Mechanics and materials. Vols. 315, (2013) pp 562-566
9	**AJ Keche, G. Amba Prasad Rao**	Experimental evaluation of a 35 kVA downdraft gasifier	Frontiers in Energy, Springer Publications 2013, 7(3): 300–306 DOI: 10.1007/ s11708-013-0247-9.

10	A. P. Shah, Y. M. Krishna and **Gururaja Rao, C.**	Conjugate Convection with Surface Radiation from a Square-Shaped Electronic Device with Multiple Identical Discrete Heat Sources,	Journal of The Institution of Engineers (India): Series C 94, 123-133, 2013
11	Shrikant D. Londhe and **Gururaja Rao, C.**	Mixed Convection with Conduction and Surface Radiation from a Vertical Channel with Discrete Heating,	Journal of The Institution of Engineers (India): Series C, In Print, 2013
12	Shrikant D. Londhe and **Gururaja Rao, C.**	Interaction of Surface Radiation with Conjugate Mixed Convection from a Vertical Channel with Multiple Discrete Heat Sources	Heat and Mass Transfer, In Print, 2013
13	AJ Keche, **G. Amba Prasad Rao,**	Effective Utilization of Low Density Biomass in a Downdraft Gasifier International	Journal of Ambient Energy (Taylor & Francis)2013,pp:1-8 DOI:10.1080 /01430750.2013.820148
14	.V.S.Moorthy, B.Rajinikanth,B.V.N.Charyulu and **G.Amba Prasad Rao**	Effect of ramp-cavity on hydrogen fueled scramjet combustor	Propulsion and Power Research, (Elsevier) In print
15	**K Kiran Kumar**	Simulation of liquid steel flow inside the mould: effect of submerged entry nozzle,	Proceedings of the 22th National and 11th International ISHMT-ASME Heat and Mass Transfer Conference December 28-31, 2013, IIT Kharagpur, India.
16	**G.Naga Srinivasulu** and Bale V.Reddy	Experimental studies on PEM Fuel Cell Performance, Proceedings of the 1st International Conference on Advances in Thermal and Energy Systems (AITES-2013), during 9-10, August, 2013,	Organized by University of Ontario Institute of Technology, Oshawa, Canada and Gandhi Engineering College, Bhubaneswar, Odisha, pp.134-139
17	Vinay Kumar Domakonda, **Ravi Kumar Puli,** Veeresh Babu A	.Performance and emissions prediction of a biodiesel fueled diesel engine coated with lanthanum zirconate thermal barrier coating using artificial neural networks	International Mechanical engineering congress and exposition, ASME-2013

* **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	Satyanarayana Kosaraju, **Venu Gopal A** and Bangaru Babu Popuri	"Experimental Studies on the Effect of Rake Angle on Main Cutting Force and Surface Roughness in Machining Ti-6Al-4V	International conference on Advanced Manufacturing and Automation 2013 (INCAMA 2013), during 28-30th March 2013, Kalasalingam university, Tamil Nadu. pp. 565-568
2	Vishwakarma, S. K., **Raju, V. R. K.** and Rao, S. S.,	Experimental Studies On The Performance Of A Modified Diesel Engine Operating In Homogeneous Charge Compression Ignition (HCCI) Combustion Mode Using Water-In-Diesel Emulsion,	Frontiers In Mechanical Engineering (FIME 2013), MANIT-Bhopal, India, August 29-31, 2013.
3	**Raju, V.R.K.,** Mookherjee, S., and Sanyal D.,	Static Performance Analysis of Direct Drive Valve with Actuator in Loop,	Proceedings of the Fortieth National Conference on Fluid Mechanics and Fluid Power, NIT Hamirpur, Himachal Pradesh, India, December 12-14, 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	G V Chaitanya, D Vamsee Krishna, **L Anjaneyulu**	A 3-Level Secure Histogram based Image Steganography Technique	International Journal of Image, Graphics and Signal Processing (IJIGSP), ISSN: 2074-9074(Print), ISSN: 2074-9082 (Online) April 2013
2	**Dr.S.Anuradha**,Saikiran Reddy Karedla	Localization Error minimization using GA in WSN	(IJAEEE, Volume-2, 2013,pp-17-24
3	B. Aditya Vighnesh, B. Manikanta Yadav, Abhishek Kumar, **M.V. Raghunadh**	Autonomous Bilingual Character Recognition and Writer Identification	International Journal of Engineering and Innovative Technology, April 2013, Volume 2, Issue 10, Page: 23-28
4	V.Venubabu, **M.V. Raghunadh**	Video Super Resolution Reconstruction from LowResolution Images using Spline Interpolation	International Journal of Electrical, Electronics and Data Communication(IJEEDC) " Volume-1,Issue-3.
5	Aparna Behara , **M.V. Raghunath**	Gait-Based Human Recognition System for Automated Video Surveillance Applications	IJACTE), ISSN :2319-2526, Volume 3 Issue 1, Page: 18-23
6	AparnaBehara , **M.V. Raghunath**	Comparison of GaitFace Fused Human Recognition Techniques	International Journal of Engineering Research (ISSN : 2319-6890), Issue no. 3, Volume 2, 2013, Page: 9-14.
7	AparnaBehara , **M.V. Raghunath**	Real Time Face Recognition System for Time and Attendance Applications	International Journal of Electrical, Electronics and Data Communication(IJEEDC), Volume-1,Issue-4, July 2013, Page: 17-21.
8	AparnaBehara , **M.V. Raghunath**	Holistic Based Gait-Face Fusion Technique for Person Recognition System	International Journal of Smart Sensors and Ad Hoc Networks (IJSSAN) VOL:3, ISS:1, Aug 2013.
9	Rama Sanjeeva Reddy.B, **Dr.Vakula.D, Prof. NVSN. Sarma**	Design of multiple function antenna arrays using Radial basis neural networks	Journal of Microwaves Optoelectronics and electromagnetic applications, Vol.12, No.1, june-2013, pp. 210-216
10	Vimal kumar, **P.Muralidhar, C.B.Rama Rao**	Architecture for H.264 Intra prediction fast mode decision algorithm	International journal of Computer Applications, April-2013, Vol.68, No.3
11	**P.Muralidhar, C.B.Rama Rao,** CYN.Dwith	Efficient Architecture for variable block size motion estimation in H.264	International journal on Signal and Image Processing, 2014, Vol.5, Issue:1, pp. 76-84
12	B. Siva Kumar Reddy, **B.Lakshmi**	Channel Coding and Clipping in OFDM for WiMAX using SDR	International Journal on Recent trends in Engineering and Technology, Vol. 9, 2013
13	Agarwal Ashok, and **Boppana Lakshmi**	FPGA implementation of Area Optimized CIC filter for sample rate conversion in software radio receiver	International Journal on Recent trends in Engineering and Technology, Vol. 9, 2013.
14	**B. Lakshmi**, A.S.Dhar	VLSI Architecture for Parallel Radix-4 CORDIC	Elsevier Microprocessors and Microsystems, Feb. 2013, Vol. 37, no. 1, pp. 79-86
15	**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 , 2013, Issue 12,PP. 120-134

16	**Ravi Kumar Jatoth, Dr.T.Kishore Kumar**	Performance Comparison of Hybrid GA-PSO Based Tuned IMMs for Maneuver Target Tracking	International Journal of Intelligent Systems and Applications,2013, Volume 12 ,.Page No.120-134
17	**Ravi Kumar Jatoth,** Sampad Shubhra Ejaz Ali	Performance Comparison of Kalman Filter and Mean Shift Algorithm for Object Tracking	International Journal of Information Engineering and Electronic Business, 2013, Vol 5, pp 17-24.
18	**Prof. NVSN.Sarma**	Energy Efficient Distributed Cluster Routing Protocol with Centralized Base Station for Wireless Sensor Networks	International Journal of Computer Networking, Wireless and Mobile Communications , Mar 2013, ISSN 2250-1568 Vol. 3, Issue 1, p 75-86,
19	**Prof. NVSN.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, June 2013, Volume 4, Number 8, Pp192-195
20	**Prof. NVSN.Sarma**	Design of Multiple Function Antenna Array using Radial Basis Function Neural Network	Journal of Microwaves, Optoelectronics and Electromagnetic Applications (JMoE) , June 2013, Vol.12, No.1,ISSN 2179-1074
21	**Prof. NVSN.Sarma**	Compact Circularly Polarized Asymmetrical Fractal Boundary Microstrip Antenna for Wireless Applications	IEEE Antennas Wireless Propag. Letters, , 2014, Vol 13, Pp118-121
22	**Prof. NVSN.Sarma**	Numerical Analysis of EM scattered field for semi-circular array elements using Artificial Neural Network	IEEE Antenna and Propagation Magazine
23	**Dr. T.Kishore Kumar**	Hybrid HMM/DTW based Speech Recognition with Kernel Adaptive Filtering Method	International journal on computational science and applications (IJCSA) January,2014. (Accepted)
24	**Dr. T.Kishore Kumar**	Performance comparison of hybrid methods based Speech Recognition techniques with Kernel Adaptive Filtering Algorithm	International Journal of Image, Graphics and Signal Processing (IJIGSP) January, 2014. (Accepted)
25	**Amara Prakash Rao, Prof. NVSN.Sarma**	Hybrid Evolutionary Algorithm based Beamforming for Smart Antenna system	International Journal of Electronic Letters, nov-2013, pp- 1-9
26	**Amara Prakash Rao, Prof. NVSN.Sarma**	Performance Analysis of Deferential Evolution Algorithm based Smart Antenna System	Accepted for Publication in journal in IJWMT-MECS
27	**Amara Prakash Rao, Prof. NVSN.Sarma**	Adaptive Beamforming Algorithm for Smart Antenna system	International journal WSEAS Transaction on Communications, 2014, Vol.13, pp. 44-50
28	K.keerti Kumar, **N.Bheema Rao**	Study of Sub-Threshold Leakage Currents 32nm, 45nm, 90nm, 135nm Technologies using Variable Gate oxide Thickness	AMSE journal 2013
29	K.Keerti Kumar, **N.Bheema Rao**	Study of Sub-Threshold Leakage Currents Reduction usingVariable Gate oxide Thickness MOSFET	Microelectronics and Solid State Electronics Journal, USA, 2013, PP.24-28
30	Naveen Malviya, **T.V.K.H Rao**	De-Noising ECG Signals using Adaptive filtering Algorithms	IJTRE-13, Vol.1, Issue:1 , 2013

31	M. Kavicharan, **N S Murthy and N BheemaRao**	Efficient Delay and Crosstalk Estimation Models for Current-Mode High Speed Interconnects under Ramp-Input	International Journal of Circuits, Systems, and Computers (JCSC 2014), Vol 6, July 2014
32	D. GovindRao, **N. S. Murthy** and A.Vengadarajan	Adaptive VLSI Architecture of Beam Former for Active Phased Array Radar	International Journal of New Computer Architectures and their Applications (IJNCAA) 3(2): 19-29
33	M.Kavicharan, **N.S.Murthy and N.BheemaRao**	An Efficient Delay Estimation Model for High Speed VLSI Interconnects	IEEE sponsored International Workshop on Advances in VLSI Circuit Design and ECAD Tools (AVCDCT-13), SJCE, Mysore, August 22-25, 2013
34	Satheesh Krishna D, I.S.Hinduja, **V.V.Mani**	A Co-Operative Diversity Analysis of Two user mobile communication system with Maximal Ratio Combining	Journal of communication and Networks, Vol.5, Issue.2, June 2013

* 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	Ch. Sulakshana, **L. Anjaneyulu**	A CPW fed rectangular reconfigurable patch antenna with switchable strips for polarization diversity	Defence Science Journal, January 2014, Vol. 64, No. 1,pp. 62-66
2	**P.Hari Krishna Prasad**	Few insights into error functions	IETE journal education, Jan-July-2013, vol.54 issue-1, pp. 14-16
3	**P.Hari Krishna Prasad**	Bipolar multiplexed pulse width modulation	IETE journal education, Jan-July-2013, , vol.54 issue-1, pp. 23-30

* 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	**Dr.S.Anuradha**,Saikiran Reddy Karedla	Localization Error minimization using GA in WSN	Oral	AISCNN , Bangalore, 7th July 2013
2	**Dr.S.Anuradha**, Anjaneya Srujan N, Dr.K.V.V.S.Reddy	Performance analysis of group - blind multiuser detectors for synchronous CDMA	Oral	(ARTCom2013), Bangalore, Sep 19-20th 2013
3	**Dr.S.Anuradha**, G.Gayatri	Alert notification service for points of interest	Oral	3rd IRAJ International Conference, Mumbai , 5th January 2014
4	V.Venubabu, **M.V. Raghunadh**	Video Super Resolution Reconstruction from Low resolution Images using Spline Interpolation	Oral	(IRAJ-ICIEEE-2013), Pune 05th May, 2013.
5	V.Venubabu, **M.V. Raghunadh**	Performance Analysis of Different Haze Removal Algorithms	Oral	SARC-ICCSME-2013),Chennai, 15th June, 2013
6	V.Venubabu, **M.V. Raghunadh**	Implementation of Pixel Level Target Tracking System using Super Resolution	Oral	AISCNN) 2013),Chennai, 7th July, 2013
7	Aparna Behara , **M.V. Raghunath**	"Holistic Based Gait-Face Fusion Technique for Person Recognition System	Oral	CICT) organised by AISC, Chennai, 09-Jun-2013

8	AparnaBehara , **M.V. Raghunath**	"Comparison of Gait-Face Fused Human Recognition Techniques	Oral	SARC-ICIEEE-2013, Pune), 16th June, 2013
9	AparnaBehara , **M.V. Raghunath**	Real Time Face Recognition System for Time and Attendance Applications	Oral	SARC-ICIEEE-2013, Pune, 16th June, 2013
10	AparnaBehara , **M.V. Raghunath**	Gait-Based Human Recognition System for Automated Video Surveillance Applications	Oral	ICICE-2013, BANGALORE), 28th - 29th JUNE, 2013
11	Rama Sanjeeva Reddy.B, **Dr.Vakula.D, NVSN. Sarma**	Analysis of multiple beam function Planner arrays using Radial basis function	Oral	5th international conference on signal, image processing and pattern recognition, Bangalore, feb-2013
12	Rama Sanjeeva Reddy.B, **Dr.Vakula.D, NVSN. Sarma**	Design and synthesis of multiple resonant planner antenna using particle swarm optimization method	Oral	PIERS-2013, Stockholm,Sweden, 12th – 15th aug 2013
13	Rama Sanjeeva Reddy.B, **Dr.Vakula.D, NVSN. Sarma**	Numerical Analysis of EM Scattered Field for semi-circular arry elements using Artificial Neural Networks	Oral	36th Annual Meeting and Symposium of Antenna Measuement Techniques-2013, Columbus, 6-11 Oct 2013
14	Madhuri Bamankar, **P.Muralidhar, C.B.Rama Rao**	Modified full search block matching algorithm	Oral	ICCCNT-2013, Tiruchengode, 4-6 july-2013
15	Madhuri Bamankar, **P.Muralidhar, C.B.Rama Rao**	Architecture design of illumination change progressive motion estimation algorithm	Oral	ICCCNT-2013, Tiruchengode, 4-6 july-2013
16	Madhuri Bamankar, **P.Muralidhar, C.B.Rama Rao**	Analysis of block matching motion estimation algorithm	Oral	ICCCNT-2013, Tiruchengode, 4-6 july-2013
15	Agarwal Ashok, and **Boppana Lakshmi**	FPGA implementation of Digital Down Converter using CORDIC algorithm	Oral	International Conference on Communication and Electronics System Design, International Society for Optics and Photonics, 2013.
16	Agarwal Ashok, and **Lakshmi B**	An Optimized Sample Rate Converter for a software radio receiver on FPGA	Oral	Conference on Advances in Communication and Control Systems (CACCS), 2013.
17	Agarwal Ashok, **Boppana Lakshmi**	A factorization method for FPGA implementation of Sample Rate Converter for a multi-standard radio communications	Oral	IEEE TENCON Spring-2013, 2013
18	Reddy, B Siva Kumar, **Lakshmi B**	Adaptive Modulation and Coding in COFDM for WiMAX Using LMS Channel Estimator	Oral	Conference on Advances in Communication and Control Systems (CACCS), Pages 23-29, 2013.
19	B. Siva Kumar Reddy, **B. Lakshmi**	PAPR Reduction in OFDM using Channel Coding in GNU Radio	Oral	Advances in Information Technology and Mobile Communication, (AIM), 2013
20	B. Siva Kumar Reddy, **B. Lakshmi**	Channel Estimation and Equalization in OFDM Receiver for WiMAX with Rayleigh Distribution	Oral	International Conference on Advanced Electronic systems (ICEAS)-2013
21	Dirishanapu Prakash, Gubba Suresh Kumar Dirisina Vaishnavi **Jatoth Ravi Kumar**	MBED microcontroller (LPC11U24) based Temperature Measurement using 5kΩ Thermistor	Oral	AICTE Sponsored International Conference On Instrumentation, Communication, Electrical & Electronics, January 23 -25, 2014
22	**Ravi Kumar Jatoth, Dr.T.Kishore Kumar**, G.Kesava Harinath	Implementation of Kalman Filter Algorithm for CV, NCV Target Tracking using Bistatic Range and Range Rate Measurements	Oral	AICTE Sponsored International Conference On Instrumentation, Communication, Electrical & Electronics January 23 - 25, 2014

23	D.Nagaraju, Ch.Kireet, N.Pradeep Kumar, **J.Ravi Kumar**	Performance Comparison Of Signal Conditioning Circuits For Light Intensity Measurement	Oral	AICTE Sponsored International Conference On Instrumentation, Communication, Electrical & Electronics January 23 - 25, 2014
24	**Prof. NVSN.Sarma**	A Novel Antenna Miniaturization Technique Using Sierpinski Fractal Curve	Oral	Conference proceedings of antenna test and measurement society, Kolkata, India, 11-13 February 2013
25	**Prof. NVSN.Sarma**	Numerical Analysis of EM scattered field in a semi circular array elements using Artificial Neural Network	Oral	35th Annual Symposium of the Antenna Measurement Techniques Association, Columbus, OH, USA during 6th – 11th Oct 2013
26	**Dr. T.Kishore Kumar**	Speech Enhancement Using Subband Wiener Filter with Pitch Synchronous Analysis",	Oral	ICACCI 2013, SJCE Mysore, 22-25 August, 2013
27	**Dr. T.Kishore Kumar**	Speech enhancement using improved signal to noise ratio estimation with pitch synchronous analysis	oral	ICACM 2013, August 2-3, 2013
28	M.Kavicharan, **N.S.Murthy, N.Bheema Rao**	An Efficient Delay Estimation Model for High Speed VLSI Interconnects	Oral	AVCDT13, Mysore, India, 2013
29	M.Kavicharan, **N.S.Murthy, N.Bheema Rao**	A Closed Delay Estimation for Current mode High Speed VLSI Interconnects	Oral	TAEECE-2013, Turkey, 2013
30	M.Kavicharan, **N.S.Murthy and N.BheemaRao**	A Closed-form Delay Estimation Model for Current-mode High Speed VLSI Interconnects	Oral	International Conference on Technological Advances in Electrical, Electronics and Computer Engineering TAEECE2013, held at Mevlana University, Koyna, Turkey, May 9-11, 2013
31	Aalhad P. Deshpande, **N. S. Murthy**, D. GovindRao and A.Vengadarajan	Efficient Filter Implementation Using QRD-RLS Algorithm for Phased Array Radar Applications	Oral	International Conference on Technological Advances in Electrical, Electronics and Computer Engineering (TAEECE13)held at Mevlana University, Koyna, Turkey, May 9-11, 2013
32	Santhosh Kumar D, I.S.Hinduja, **V.V.Mani**	DOA Estimation of IR-UWB signals using Coherent Signal Processing	Oral	10th CSPA-2014, Kualalumpur, Malaysia, Mar 07-09, 2014
33	PavanKumar Sarma, **Patri Sri Hari Rao, K.S.R.Krishna Prasad**	A 10GBPS Clock and data recovery circuit using dual loop architecture for back plane	Oral	International conference on VLSI and Signal processing, IIT Kharaghpur, 2014
34	Sridhar P, **Patri Sri Hari Rao, K.S.R.Krishna Prasad**	A Received signal Strength Indicator with 10.7 MHz IF	Oral	International conference on VLSI and Signal processing, IIT Kharaghpur, 2014

*** 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	**Amara Prakash Rao, NVSN.Sarma**	Performance Analysis of Beamforming Based on DOA Smart Antenna Systems	Oral	Sixth Annual Conference , Antenna Test measurement Society, Kolkata, 2013
2	**Amara Prakash Rao, NVSN.Sarma**	Performance Analysis of Adaptive Beamforming pattern of Smart Antenna Systems using PSO	Oral	Seventh Annual Conference , Antenna Test measurement Society, Chennai, 2014

*** 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. 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
2	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.
3	W.W. Dasslegn, M.J. Davidson, **Asit Kumar Khanra**	Studies on formability of powder metallurgical aluminium-copper composites	Mat & Design (in Press-2014)
4	W.W. Dasslegn, M.J. Davidson, **Asit Kumar Khanra**	Friction factor evaluation using experimental and finite element method for Al-4% Cu preform	J. Mat. Engg & Performance (in Press-2014)
5	**C. Vanitha**, K.S. Pandey	Assessment of Mechanical Properties of Sintered and Hot Extruded Aluminium and Aluminium based Titania Composites	American Journal of Engineering Research (AJER), 2 (2013) 194-202
6	**C. Vanitha**, K.S. Pandey	Some Aspects of Sliding Velocities and Applied Normal Loads on the Accelerated Wear Behaviour of Sintered Fe-16%Cu-2.50%Mn-0.95%Cr-3.25%C P/M Steels	American Journal of Engineering Research (AJER), 2 (2013) 182-193
7	**Brahma Raju Golla**, Jae Woong Ko, Jin-Myung Kim and Hai-Doo Kim	Effect of particle size and oxygen content of Si on processing, microstructure and thermal conductivity of sintered reaction bonded	**Journal of Alloys and Compounds** 595 60-66 (2014)
8	**G.S. Reddy**, Mallikarjuna, and Sekhar.	Nanostructured Surfaces that Show Antimicrobial, Anticorrosive, and Antibiofilm Properties.	Key Engineering Materials Journal, Vol: 2, Innovation in Materials Science, p1-34, 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	Umme Thahira Khatoon, **Nageswara Rao G. V. S., Mohan M. K.**	Synthesis and Characterization of Copper Nanoparticles by Chemical Reduction Method	Oral	International Conference on Advanced Nanomaterials and Emerging Engineering Technologies (ICANMEET-2013) 25th to 27th July 2013 at Satyabama Univesity, Chennai.
2	P. Sravani and **M. K. Mohan**	Effect of heat treatment on corrosion behavior of Ti-15-3	Poster	Presented at CORSYM-2014, an International Corrosion Symposium held at IIT, Bombay (sponsored by NACE) during 18-21 February 2014.
3	P. Sai Gopal and **M. K. Mohan**	Effect of cold rolling on the corrosion behavior of Ti-15V-3Cr-3 Al-3Sn	Poster	Presented at CORSYM-2014, an International Corrosion Symposium held at IIT, Bombay (sponsored by NACE) during 18-21 February 2014.

4	G. Vamsi Kamal and **M. K. Mohan**	Corrosion behavior of cold worked Ni-Cr-Mo alloy (SUPERNI C-276) and its suitability for marine fastener applications.	Poster	Presented at CORSYM-2014, an International Corrosion Symposium held at IIT, Bombay (sponsored by NACE) during 18-21 February 2014.
5	Amit Maroo, T.S.R.Ch.Murthy, J.K.Sonber, K. Sairam, R.C. Hubli and **G.V.S.Nageswara Rao**	Pressureless sintering of Titanium Diboride (TiB_2)	Oral presentation	51st NMD & 67th ATM 2013 of IIM, held at Varanasi, 12-15 November 2013
6	Vibhuti Roshan, **G.V.S. Nageswara Rao** and Sharma	Study of effect of surface area on micro pellets green properties	Oral presentation	International Conference on Science and Technology of Ironmaking and Steelmaking (STIS-2013), held at NML Jamshedpur during 16-18, Dec. 2013
7	Vibhuti Roshan, **G.V.S. Nageswara Rao** and Sharma	Impact of suction pressure on the iron ore hybrid sinter properties	Poster presentation	51st NMD & 67th ATM 2013 of IIM, held at Varanasi, 12-15 November 2013
8	Jeevan Allanki, **G.V.S. Nageswara Rao** and Sanjay Kumar	Isobaric solid solubility of hydrogen in high pure iron at 0.1Mpa hydrog partial pressure	Poster presentation	Thermans-2013, DAE-BRNS 19th Symposium and Workshop on Thermal Analysis, held at BARC, Mumbai during 19-23, Dec. 2013.
9	G. Sai Kumar and **Asit Kumar Khanra**	Production of Nanocrystalline TiB_2 Powder'	Oral	International Conference on Chemical and Bioprocess Engineering-India ICCBPEInd) 2013,November, NIT Warangal.

* **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	Umme Thahira Khatoon, **G. V. S. Nageswara Rao, M. K. Mohan,** Naveen and Rama Raju	Microbial inhibition of copper nanoparticles produced by chemical method	Oral	National Conference on Recent Advances in Biotechnology and Nanotechnology (BIONAN 2013) 29th to 30th October 2013 at Amity University Gwalior Campus, Gwalior
2	Sravani Pappu, P. Sai Gopal, and **M.K. Mohan**	Polarization Studies to Evaluate Corrosion Behaviour of Ti of Ti-15-3 and Ti-6-4	Poster	51st NMD-67th ATM held at Varanasi during 12- 15 November 2013
3	T. Hanuma Reddy and **M. K. Mohan**	Corrosion behavior of Ti-15V-3Cr and Ti-6Al-4V alloy in concentrated hydrochloric and sulphuric acids	Poster	51st NMD-67th ATM held at Varanasi during 12- 15 November 2013
4	**M. K. Mohan** and Suman Kumari	Comparison of stress corrosion cracking behavior of Ti-15V-3Cr-3Al-3Sn and Ti-6-4 in 3.5% NaCl solution	Oral	51st NMD-67th ATM held at Varanasi during 12- 15 November 2013
5	P. Rambabu, Ch. V.A. Narasayya, **M. K. Mohan,** Rahul Mitra and N. Eswara Prasad	Tensile deformation and fracture behavior under mode I and mixed mode I/III loading condtions of an aerospace grade AA 2219 alloy in different aging conditions	Oral	51st NMD-67th ATM held at Varanasi during 12- 15 November 2013
6	G. Sai Kumar and **Asit Kumar Khanra**	Pressureless Sintering and Deformability Behavior of Al-TiB_2 Composites	Oral	National Conference on Advances in Materials and Processing (NCAMP)-May, 2013,Coimbatore

* **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	B. Sreedhara Rao, R. C. Sastry	Simulation studies on wavy and chevron-corrugated plate heat exchanger using fluent	International journal of Mechanical Engineering (IASET), Vol. 2 issue. 5 pp 61-66(Nov 2013)
2	B. Sreedhara Rao, Varun. S, M. V. S. Murali Krishna and R. C. Sastry	Experimental studies on pressure drop in a sinusoidal plate heat exchanger; Effect of corrugation angle	International journal of Research in Engineering and Technology, Vol. 3, issue 2 (Feb 2014)
3	B. Sreedhara Rao, Varun. S, M. V. S. Murali Krishna and R. C. Sastry	Effect of corrugation angle on pressure drop of viscous fluids in sinusoidal corrugated plate heat exchanger	International journal of Advances in Engineering and Technology, Vol. 7, issue 1 pp 97-102(March 2014)
4	Anjireddy Bhavanam&R.C Sastry	Biomass gasification processes in down draft fixed bed reactor	International journal of chemical engineering and applications,vol.2,2011,pp-425-433
5	G. Srinivas and Y. Pydi Setty	Drying behavior of uniform and binary mixture of solids in a batch fluidized bed dryer	Powder Technology, 241, 181-187, 2013.
6	T. Srinivas, A. Venu Vinod	Performance of an agitated helical coil heat exchanger using Al_2O_3/water nanofluid,	Experimental Thermal and Fluid Science, *51, 77–83, 2013.*
7	Rayi Naveen Kumar and Ananthula Venu Vinod,	Oxygen Mass Transfer in Bubble Column Bioreactor	Periodica Polytechnica - Chemical Engineering, *58, 1, 21-30, 2014.*
8	Naveen Kumar Rayi & Venu Vinod Ananthula	Biodegradation of phenolic wastewater in a bubble column bioreactor with internal draft tube	Indian Journal of Chemical Technology Vol. 21, January 2014, pp. 44-46.
9	Prasad Gurav, Srinu Naik S., Komel Ansari, S. Srinath, K. Anand Kishore, Y. Pydi Setty,:	Shirish Sonawane Stable Colloidal Copper Nano Particles for Nanofluid: Production and Application	Colloids and Surfaces Physicochemical and Engineering Aspects 441 (2014) 589– 597
10	Sameer Kapole and Shirish Sonawane	and Others Corrosion resistance of 2K epoxy coating by encapsulation of liquid inhibitor in nanocontainer core of sodium zinc molybdate and iron oxide	Composite Interfaces Taylor Francis Accepted http://dx.doi.org/10.1080/15685543.2014.879011
11	Sunita Raut- Jac'hav Shirish Sonawane Daulat Saini, Aniruddha Pandit	Intensification of degradation of imidacloprid in aqueous solutions by combination of hydrodynamic cavitation with various advanced oxidation processes (AOPs)	Journal of Environmental Chemical Engineering Volume 1, Issue 4, December 2013, Pages 850–857
12	Sunita Raut- Jadhav , Shirish Sonawane Aniruddha Pandit	Synergetic effect of combination of AOP's (hydrodynamic cavitation and H2O2) on the degradation of neonicotinoid class of insecticide	Journal of Hazardous Materials 261 (2013) 139–147
13	B. A. Bhanvase,P. R. Gogate, S. H. Sonawane, and A. B. Pandit	Ultrasound Assisted Synthesis of Calcium Zinc Phosphate Pigment and its Application in Nanocontainer for Active Anticorrosion Coatings	Chemical Engineering Journal 231 (2013) 345–354

14	S. S. Barkade D. V. Pinjari, P.R. Gogate, J. B. Naik, S. H. Sonawane and A. B. Pandit	Ultrasound assisted synthesis of Polythiophene/SnO_2 Hybrid nanolatex particles for LPG Sensing	Chemical Engineering Processing Process Intensification Volume 74, December 2013, Pages 115–123
15	S. S. Barkade, D. V. Pinjari, A. K. Singh, P. R. Gogate, J. B. Naik, S. H. Sonawane, A. B. Pandit, M. Ashokkumar, ,	Ultrasound assisted miniemulsion polymerization for preparation of polypyrrole zinc oxide (PPy/ZnO) functional latex for LPG sensing	Industrial Engineering and Chemistry Research, 52 (2013) 7704-7712.
16	M. P. Deosarkar, S. M. Pawar, S. H. Sonawane, B. A. Bhanvase	Process Intensification of Uniform Loading of SnO2 Nanoparticles on Graphene Oxide Nanosheets using a Novel Ultrasound Assisted In-Situ Chemical Precipitation Method	Title: Chemical Engineering and Processing ; Process Intensification Volume 70, August 2013, Pages 48–54
17	K. Anand Kishore and G. Venkat Reddy	Parameter Optimization in Citric Acid Fermentation Process: A Statistical Approach	Asian-American Journal of Chemistry, Vol.1, No.1, January-June 2013, pp. 20-21, Academic Research Journals, India.
18	Prasad Gurav, S. Srinu Naik, Komel Ansari, S. Srinath, K. Anand Kishore,Y. Pydi Setty, Shirish Sonawane	Stable colloidal copper nanoparticles for a nanofluid: Production andapplication	Colloids and Surfaces A: Physicochem. Eng. Aspects 441 (2014) 589– 597
19	Mallaiah Mekala, Sunil Kumar Thamida, Venkat Reddy Goli	Pore diffusion model to predict the kinetics of heterogeneous catalytic esterification of acetic acid and methanol	Chemical Engineering Science, 2013, Vol 104, pp 565-573
20	Vooradi Ramsagar & Munawar A. Shaik	Rigorous unit-specific event-based model for short-term scheduling of batch plants with conditional sequencing and unit-wait times.	Industrial and Engineering Chemistry Research, *2013, 52, 12950-12972*

*** 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	B. Anjireddy, R. C. Sastry	Modeling of Solid waste Gasification process for synthesis gas production	Journal of Scientific and Industrial Research, CSIR-NISCAIR publications New Delhi, Vol. 72(Sep-Oct 2013) pp 611-616

*** 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	B. Anjireddy, R. C. Sastry	Energy Recovery potential and Characterization studies of saw dust and rice husk	Oral	7th International Symposium on Feedstock recycling of Polymeric materials held at India habitant centre, New Delhi during Oct 23-26(2013)
2	B. Anjireddy, R. C. Sastry	Thermo gravimetric analysis and Characterization of yard waste as feedstock to gasification process	Oral	ASME International Mechanical Congress & Exposition held at Santiago , USA during Nov 15-21(2013)

3	G Srinivas and Y Pydi Setty	Effect of Various parameters on continuous fluidized bed drying of solids	Oral	ICCBPE-IN-2013, 16-17 November, 2013, NIT Warangal ISBN: 978-81-928314-0-4, pp -15.
4	PBNL Devi and Y. Pydi Setty	Removal of Ammonia from wastewater using Biological Nitrification	Oral	ICCBPE-IN-2013, 16-17 November, 2013, NIT Warangal ISBN: 978-81-928314-0-4, pp -15.
5	B. Sujan Kumar, A. Venu Vinod,	Mixing of Binary Mixture in a Spout-Fluid Bed	Oral	International Conference on Chemical and Bioprocess Engineering-INDIA, November 16-17, 2013, National Institute of Technology, Warangal, India.
6	T.Srinivas, A. Venu Vinod,	Natural convection heat transfer enhancement in shell and coil heat exchanger using CuO/water nanofluid.	Oral	International Conference on Chemical and Bioprocess Engineering-INDIA, November 16-17, 2013, National Institute of Technology, Warangal, India.
7	P.Narayan,P.Shadab, Srinath.S,G.V.Reddy	CFD Simulation or mixing or aerofuel/sand mixture in a bubbling fludisel bed	Oral	International Conference on Chemical and Bioprocess Engineering-INDIA, November 16-17, 2013, National Institute of Technology, Warangal, India.
8	K. Anand Kishore and G. Venkat Reddy	Optimization of Batch Fermentation of Citric Acid Process: A Statistical Approach	Oral	International Conference on Emerging Trends in Engineering & Technology (IETET-2012)', 9-11 November 2012, GIMT, Kurukshetra.
9	K. Anand Kishore, Shirish Sonawane and T. Kamala	A study on Waste water treatment using ceramic nanoporous membrane	Oral	International conference on Chemical and Bioprocess Engineering, 16-17 Nov,2013, ISBN 978-81-928314-0-4, pp:125.
10	K. Anand Kishore, G.Venkat Reddy and A.S Deshmukh	Modeling and Simulation Studies on Continuous Reactive Distillation of Methyl acetate Process	Oral	International conference on Chemical and Bioprocess Engineering, 16-17 Nov,2013, ISBN 978-81-928314-0-4, pp:57.
11	P V Suresh, K.S. Prakash, S. Prudhvi, A. Anudeep	Thermodynamic studies on in-situ Gasification-Chemical Looping Combustion (iG-CLC) of Indian coals	Oral	International conference on Chemical and Bioprocess Engineering - India, NIT Warangal, Nov 16-17, 2013
12	Haneef Shijaz, P V Suresh, Shadab Alam	Comparison of Pre-Combustion and *Chemical Looping Technologies for CO_2 capture in IGCC Power plants*	Oral	International conference on Chemical and Bioprocess Engineering - India, NIT Warangal, Nov 16-17, 2013
13	Vooradi Ramsagar & Munawar A. Shaik	Short-term scheduling of batch plants based on conditional sequencing of processing tasks	Poster	ICCBPE-IN-2013, NIT Warangal, Andhra Pradesh, India. November 16-17, 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	G Srinivas and Y Pydi Setty	Experimental Investigation On Drying Of Solid in a Fluid Bed Dryer Using Binary Solid Mixtures	Oral	CHEMCON-2012, 27-30 December, 2012, NIT Jalandhar. P-44, pp.66.
2	G Srinivas and Y Pydi Setty	A Study of CFD Modelling on Variation of solid fraction in a Batch Fluidized Bed	Oral	PGBSIA-2013, November 28-30, 2013, Thapar University, Patiala, Punjab, India. pp.16.

3	G Srinivas and Y Pydi Setty	Comparison of Wall Heated Fluidized Bed Dryer with Forced Draft Dryer	Oral	ASME-ISHMT-2013, IIT Kharagpur, Kharagpur, India, December 28-31, 2013.
4.	PBNL Devi and Y. Pydi Setty	Effect of pH on Biological Nitrification Process	Oral	CHEMCON-2012, 27-30 December, 2012, NIT Jalandhar. P-44, pp.66.
5	T.Srinivas, A. Venu Vinod	Heat Transfer Enhancement in Helical Coil Heat Exchanger using Al2O3/Water nanofluid,	Oral	Indian Chemical Engineering Congress, CHEMCON-2013, ICT, Mumbai, December 27-30, 2013
6	Dr. T. Sunil Kumar	Alternative boundary treatment for flow between two concentric rotating cylinders using lattice Boltzmann method	Oral	International conference on advances in chemical engineering, NIT Raipur, April 5-6, 2013
7	P V Suresh, Khedkar Amit, Vasu Gollangi	Process optimization of catalyst ink preparation for High Temperature Proton Exchange Membrane (HTPEM) Fuel cells	Oral	CHEMCON 2013, ICT Mumbai, Dec 27-30, 2013
8	Haneef Shijaz, P V Suresh, Shadab Alam	Integration of Chemical Looping Combustion (CLC) in IGCC Power Plant	Oral	CHEMCON 2013, ICT Mumbai, Dec 27-30, 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	Prof. B. B. Amberker	Secure End-to-End Data Aggregation (SEEDA) Protocols for Wireless Sensor Networks	Ad Hoc & Sensor Wireless Networks, Vol 17, No. 3 – 4, and p.193 – 219.
2	Prof. B. B. Amberker	A Dynamic Constant Size Attribute Based Group Signature Scheme with Attribute Anonymity	Int. J. of Information Privacy, Security and Integrity.
3	Prof. 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, vol. 5, No. 2, pp.167 – 186
4	Dr. R. Padmavathy	Index Calculus Method based on Smooth Numbers of ±1 over Zp*	International Journal on Network Security, v15(4), pp 265-273
5	Dr. Rashmi Ranjan Rout	Enhancement of Lifetime using Duty Cycle and Network Coding in Wireless Sensor Networks	IEEE Transactions on Wireless Communications, Vol. 12 (2), page: 656-667
6	Dr. Rashmi Ranjan Rout	On Network Lifetime Expectancy with Realistic Sensing and Traffic Generation Model in Wireless Sensor Networks	IEEE Sensors Journal, Vol. 13 (7), page: 2771-2779
7	Dr. Rashmi Ranjan Rout	Adaptive Data Aggregation and Energy Efficiency using Network Coding in a Clustered Wireless Sensor Network: An Analytical Approach	Computer Communications (Elsevier), Vol. 40, pp-65-75
8	Dr. USN Raju	"Aspects of Content Context and Adaption Modeling in Mobile Learning Application Design"	Intl. Jl. Of Interactive Mobile Technologies, Nol.7, Issue 2, pp. 29-37,

8	Dr. USN Raju	"Secured Data Transmission using Wavelet Based Steganography and Cryptography using Different DES Methods"	Jl. Of Wavelet Theory and Applications(JWTA), Volume 7 Number 1, pp. 19-29, 2013
10	Dr. R B V Subramanyam	Predicting Intraday Prices with Stock Market Transactions using Similarity Profiled Temporal Associations.	International Journal of Data Analysis Techniques and Strategies (IJDATS), Inderscience Publishers, Vol.5, No.3, 2013, pp 303-322, ISSN (Print): 1755-8050
11	Dr. R B V Subramanyam	Mining Closed Sequential Patterns in Progressive Databases	Journal of Information and Knowledge Management, In Press.
12	Mr. T Rama Krishnudu	"Mining positive and Negative association rules using FII-tree"	International Journal of Advanced Computer Science and Applications, Vol. 4 No.9, October 2013, pp.147-151.
13	Prof. D. V. L. N Somayajulu	Paired Feature Constrained Latent Dirichlet Topic Models.	Accepted in 5th International Conference on Soft Computing and Pattern Recognition-2013. This paper is also accepted for publication in Special Issue of International journal ofIntelligent Systems/International Journal of Hybrid Information Systems. Hanoi

* Name of the Faculty of the Department to be emboldened

B. Presentations in Conference / Symposia etc.,

i) National Presentations

S. No.	Authors (*)	Title of the Paper	Oral / Poster	Event Details (Event, Place, Dates)
1	Prof. B. B. Amberker	An Adaptive gray-Scale image Watermarking Scheme using Smooth and Edge areas of an image	Oral	International Conference on Intelligent System and Signal Processing (ISSP2013), Gujarat
2	Prof. B. B. Amberker	A Reversible Data Embedding Scheme for MPEG-4 Video Using HVS Characteristics	Oral	International Conference on Intelligent System and Signal Processing (ISSP2013), Gujarat, India
3	Prof. B. B. Amberker	Provable Data Possession Scheme with Constant Proof Size for Outsourced Data in Public Cloud	Oral	Second International Workshop on Cloud Computing & Identity Management (CloudID) 2013, Mysore
4	Prof. B. B. Amberker	Short Attribute-Based Group Signature without Random Oracles with Attribute Anonymity	Oral	International Symposium on Security in Computing and Communications (SSCC-13), Mysore
5	Prof. B. B. Amberker	Secure Multilayer Key Management Scheme With New Multilayer Rekeying Approach	Oral	Second International Conference on Advances in Computing, Communication and Informatics (ICACCI),Mysore
6	Prof. B. B. Amberker	Dynamic Attribute Based Group Signature with Attribute Anonymity and Tracing in the Standard Model	Oral	, *Third International Conference on Security, Privacy and Cryptographic Applications (SPACE – 2013),*
7	Prof. DVLN Somayajulu	"Paired Feature Constraints for Latent Dirichlet Topic Models	Oral	International Conference on Soft Computing and Pattern Recognition-2013 IEEE ISBN:978-1-4799-3400-3

8	Prof. DVLN Somayajulu	Context Dependent Bag of words generation. In Advances in Computing	Oral	International Conference on Soft Computing and Pattern Recognition-2013 IEEE ISBN:978-1-4799-3400-3
9	Prof. DVLN Somayajulu	Topic dependent cross-word Spelling Corrections for Web Sentiment Analysis.	Oral	In Advances in Computing, Communications and Informatics (ICACCI), 2013 International Conference on (pp. 1093-1096). IEEE.
10	Dr. P VenkataSubba Reddy	"Conditional and Unique Conditional Colorability of Graphs,"	Oral	3rd International Conference of Gwalior Academy of Mathematical Science, MANIT Bhopal September 22-26, 2013, Bhopal.
11	Prof. S. G. Sanjeevi	Multi-Objective Indicator Based Evolutionary Algorithm for Portfolio optimization	Oral	IEEE International Advance Computing Conference, Feb 2014, Gurgaoan India

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

ii) International Presentations

S. No.	Authors (*)	Title of the Paper	Oral / Poster	Event Details (Event, Place, Dates)
1	Prof. B. B. AMBERKER	Secure Group Key Management Scheme Based on Dual receiver Cryptosystem	----	*Secure Group Key Managenent Scheme Based on Dual receiver Cryptosystem*, 2013 ACM Asia Public-Key Cryptography Workshop (AsiaPKC 2013), Hangzhou, China
2	Prof. D. V. L. N Somayajulu	Paired Feature Constrained Latent Dirichlet Topic Models.	Oral	Accepted in 5th International Conference on Soft Computing and Pattern Recognition-2013, Hanoi Viatnaam. This paper is also accepted for publication in Special Issue of International journal of Intelligent Systems/International Journal of Hybrid Information Systems.

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

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	Optimization studies on biosorption of Cr(VI) and Cu(II) from wastewater in a Packed bed bioreactor	*Desalination and Water Treatment, DOI:10.1080/19443994.2013.862870, Published online on 25th November 2013*
2	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 Research Ther*, 2013; 8(2): 156-162
3	Rajeswara Reddy Erva, Satish Babu.R, CVK Reddy, Diwakar Reddy K, Sugunakar YJ	OMICS OF asnA GENE FROM *Enterobactor aerogenes* KCTC2190	*Int. J. Fundamental Applied Sci, 2(1), 23-28, 2013*
4	RR Baadhe,NK Mekala, SR Parcha, PD Yalavarthy	Combination of *ERG9* repression and enzyme fusion technology for improved production of amorphadiene in yeast.	*J anal method chem., http://dx.doi.org/10.1155/2013/140469,2013*
5	RR Baadhe,NK Mekala, SR Parcha, PD Yalavarthy	Optimization of Sesquiterpene Production in Engineered Yeast by Response Surface Methodology	3 Biotech, *DOI 10.1007/s13205-013-0156-y ,2013*

* **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	Udaya Paglla, C.S.V.R.Rao and Satish Babu Rajulapati	Studies on L-Asparaginase Production by Using *Staphylococcus Capitis*	*Journal of Chemical, Biological and physical sciences, 3 (1), 201-209,2013*
2	B. Sumanjelin, C.S.V. Ramachandra Rao, R. Satish Babu	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, 3 (1), 289-296,2013*
3	Onkara. P, A. Sunil Kumar, S.Kanakaraju, B.Prasanna, Y.Pydisetty, 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*

* **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.	**M. Ravindar Reddy** and T. Naga Sai Kumar	The Impact of functioning of foreign banks on Indian retailers in Hyderabad and Secunderabad regions.	International Journal of Management and Technology, Vol.4, Issue-2, November 2013, ISSN 09753915.
2.	**M. Ravindar Reddy** and T Naga Sai Kumar	The Loyalty Determinant Attributes of Store brands in food and grocery in Indian Retailing-An empirical study in twin cities of Hyderabad	IOSR Journal of Humanities and Social Science, Volume 17, N0v-Dec 2013. ISSN:2279-0845
3.	**M. Ravindar Reddy** and T Naga Sai Kumar	The Impact of Conditional Determinants of purchase Attitude of Store brands in Food and Grocery in Indian Retailing-An empirical study in twin cities of Hyderabad	IOSR Journal of Business and Management, Volume 15, Jan 2014. ISSN:2319-7668
4.	**M. Ravindar Reddy** and T Naga Sai Kumar	The impact of performance determinants of international financial institutions on own brand retailers in Telangana Districts	International Journal of Current Research, January 2014, Pages: 4562 – 4655. ISSN:0975-833X
5.	Naresh Kumar, **Padma K** and Ramesh Kumar	Factors determining employee retention – a study of Indian public sector unit.	International Journal of Management and Information Technology, Volume 6(3), October – 2013, 834-841.
6.	Naresh Kumar, **Padma K** and Ramesh Kumar	Analysis of key factors of employee retention through factor analysis – a study of Indian public industry.	International journal of Marketing, Financial services and Management research, Volume 2(11), November – 2013, 121-133.
7.	**Padma K** and Raghuveer	Consumerism of household sector: Impact on pollution and economic development.	International journal of decision making in management, Volume 1(1), June 2013.
8.	**Dr P Ramlal** and Srinivas	Personal Identification – tame the TIGERS	Management researcher, The journal of Management, Volume-1, No.1-2014.
8.	**S.L.T Devi** and R. N Rao	Determinants of investment in Fixed assets in electrical power industry – an econometric analysis	World academy of science, engineering and Technology, 76 (April 2013) 697-703.
9.	R. N Rao and **S.L.T Devi**	Wear Regimes of Al-Cu-Mg Matrix composites	World academy of Science, Engineering and Technology, 76 (April 2013) 663-667
10.	R.N Rao, S. Das, D.P. Mondal, G Dixit and **S.L.T Devi**	Dry sliding wear maps for AA7010 (Al-Zn-Mg-Cu) aluminium marix composite	Tribology international, Aprill 2013, 60, 77-82,ISSN:0301-679X

* **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	Gurju Awgichew; **G. Radhakrishnamacharya**	Effects of slip condition and multiple constrictions on couple stress fluid flow through a channel of non uniform cross section	ARPN Journal of Engineering and Applied Sciences, vol. 8(5), pp. 393 – 400, 2013
2	Gurju Awgichew; **G. Radhakrishnamacharya**	Effect of slip condition on couple stress fluid flow through porous medium with stenosis	International Journal of Scientific & Engineering Research, vol. 4(9), pp. 28 – 33, 2013
3	Gurju Awgichew; **G. Radhakrishnamacharya**	Effects of slip condition and peripheral layer on couple stress fluid flow through a channel with mild stenosis	International Journal of Mechanical Engineering, vol. 7(2), pp. 839 – 844, 2013
4	G. Ravi Kiran; **G. Radhakrishnamacharya**	Effect of dispersion of a solute in peristaltic flow of a Jeffrey fluid	International Journal of Scientific & Engineering Research, vol. 4(9), pp. 2525 – 2530, 2013
5	G. Ravi Kiran; **G. Radhakrishnamacharya**	Influence of magnetic field on dispersion of a solute in peristaltic flow of a Jeffrey fluid	ARPN Journal of Engineering and Applied Sciences, vol. 8(11), pp. 969 – 977, 2013
6	Santhosh Nallapu; **G. Radhakrishnamacharya**	Flow of Jeffrey fluid through narrow tubes	International Journal of Scientific & Engineering Research, vol. 4(11), pp. 468 – 473, 2013
7	Gurju Awgichew; **G. Radhakrishnamacharya**	Effect of slip condition on micropolar fluid flow in a stenosed channel	Journal of Engineering and Applied Sciences, Medwell Journals (To appear)
8	Gurju Awgichew; **G. Radhakrishnamacharya;** Shireesha	Effect of slip condition on couple stress fluid flow in a channel with mild stenosis in the presence of uniform magnetic field	Applications and Applied Mathematics (To appear)
9	**Y.N.Reddy ,** K. Madhulatha; K.Phaneedra	Computational method for singularly perturbed two-point boundary value problems with one boundary layer	European Journal of Scientific Research, 98, No.: 2 (2013), 227-233
10	**Y.N.Reddy ,** K. Madhulatha; K.Phaneedra	Numerical integration with exponential fitting factor for singularly perturbed two point boundary value problems	British Journal of Mathematics & Computer Science;3(3): 397-414, 2013
11	**Y.N.Reddy ,** K. Madhulatha; K.Phaneedra	A Finite Difference Technique for SPTPBVP's	International Journal of Scientific and Industrial Research; 4;(10) 1253-1258; 2013
12	**Y.N.Reddy ,** GBSL Soujanya; K.Phaneedra	Numerical integration method for singularly perturbed delay differential equations	Applied Computational Mathematics; 12(2): 211-221, 2013
13	**Y.N.Reddy ,** GBSL Soujanya; K.Phaneedra	An exponentially fitted non-symmetric finite difference method for SPP's	WSEAS Transactions on Mathematics; 12 (7); 767-776, 2013
14	**Y.N.Reddy ,** GBSL Soujanya; K.Phaneedra	Numerical solution of SPP's exhibiting dual layers	International Journal of Advances in Engineering Sciences and Applied Mathematics, Springer, 10; 152572; 2013
15	**Y.N.Reddy**; Gemichis	Computational method for solving singularly perturbed delay differential equations with negative shift	International Journal of Applied Science and Engineering; 11;(1) 2013, pp-101-113.
16	**Y.N.Reddy**; Gemichis	Domain decomposition method for solving singularly perturbation problems,	International Journal of Applied Science and Engineering; 11, (4) 2013 pp 433-448
17	**Y.N.Reddy**; Gemichis	A non-asymptotic method for singularly perturbed delay differential equations	Journal of Applied Mathematics and Informatics, 32:1(2014) 39-53.

18	**K.N.S.Kasi Viswanadham**; B.Srinivasulu	Cubic B-spline Galerkin method for fourth order boundary value problems	International Journal of Engineering Science and Innovative Technology, 2013, Vol.2, pp.41-53
19	**K.N.S.Kasi Viswanadham**; Y.Showri Raju	Sextic B-spline collocation method for eighth order boundary value problems	International Journal of Applied Science and Engineering, 2014, Vol.12, pp.43-57
20	**K.N.S.Kasi Viswanadham**; B.Srinivasulu	Numerical solution of fifth order boundary value problems by Galerkin method with quartic B-splines	International Journal for Computers and Applications, Vol. 77(17), 2013, pp.7-12
21	**K.N.S.Kasi Viswanadham**; B.Srinivasulu	Numerical solution of sixth order boundary value problems by Galerkin method with quintic B-splines	International Journal for Computers and Applications, Vol.89(15), March, 2014, pp.7-13
22	**K.N.S.Kasi Viswanadham**; B.Srinivasulu	Numerical solution of eighth order boundary value problems by Galerkin method with quintic B-splines	International Journal for Mathematical Sciences and Engineering Applications, Vol. 8(2), March, 2014
23	**J. V. Ramana Murthy**; J. Srinivas.	Second law analysis for Poiseuille flow of immiscible micropolar fluids in a channel	International Journal of Heat and Mass Transfer, Vol. 65, pp. 254-264,2013.
24	V. K. Narla, K. M. Prasad; **J. V. Ramanamurthy**	Peristaltic Motion of Viscoelastic Fluid with Fractional Second Grade Model in Curved Channels	Chinese Journal of Engineering, Volume 2013, Article ID 582390, 7 pages
25	**J. V. Ramanamurthy**, K. M. Prasad; V. K. Narla	Unsteady peristaltic transport in curved channels	Physics of Fluids, 2013, Vol. 25, pp.1-20
26	**J. V. Ramana Murthy**; J. Srinivas; K. S. Sai	Flow of immiscible micropolar fluids between two porous beds	Journal of Porous Media, 2014, Vol. 17 (4), pp.287–300
27	**J. V. Ramana Murthy**; J. Srinivas	First and second law analysis for the MHD flow of two immiscible couple stress fluids between two parallel plates	Heat Transfer-Asian Research, DOI: 10.1002/htj.21131
28	**J. V. Ramana Murthy**; J. Srinivas	Thermodynamic second law analysis of radiative heat transfer in two immiscible micropolar fluids in a channel	Proceedings of the 22nd National and 11th International; ISHMT-ASME Heat and Mass Transfer Conference; Dec 28-31, 2013, IITK, India
29	**D. Dutta;** Pavan Kumar	Application of... inventory model	Int J of Systems Science, Nov, 2013
30	**D. Dutta,** Pavan Kumar	A partial ...holding cost	IJMOR, 2014 (TO APPEAR)
31	**Srinivasacharya, D.**; Krishna Prasad, M.	Axisymmetric motion of a porous approximate sphere with an impermeable core	Eur. Phys. J. Plus Vol. 128: pp. 9, 2013
32	**Srinivasacharya, D.**; **RamReddy, Ch.**	Cross-diffusion effects on mixed convection from an exponentially stretching surface in non-Darcy porous medium	Heat Transfer – Asian Research, Vol 42(2), pp.111-124, 2013
33	**Srinivasacharya, D.**; Kaladhar, K.	Analytical solution for Hall and Ion-slip effects on mixed convection flow of couple stress fluid between parallel Discs	Mathematical and Computer Modelling, Vol.57, 2494–2509, 2013
34	**Srinivasacharya, D.**; Kaladhar, K.	Soret and Dufour effects on free convection flow of a couple stress fluid in a vertical channel with chemical reaction	Chemical Industry & Chemical Engineering Quarterly, Vol. 19 (1), pp. 45–55, 2013.
35	**Srinivasacharya, D.**; **RamReddy, Ch.**	Mixed convection heat and mass transfer in a doubly stratified micropolar fluid	Computational Thermal Sciences, Vol. 5 (4), pp.273–287, 2013.
36	**Srinivasacharya,D.**; Upendar Mendu	Free convection in mhd micropolar fluid with soret and dufour effects	Int. J. of App. Math. and Mech., Vol 9 (5), pp 92-112, 2013
37	**Srinivasacharya, D.**; **RamReddy, Ch.**	Natural convection heat and mass transfer in a micropolar fluid with thermal and mass stratification	Int. J. for Comp. Meth. in Eng. Sci. & Mech, Vol. 14, pp.401–413, 2013
38	**Srinivasacharya, D.**; Swamy Reddy, G	Free convection in a non-Newtonian power-law fluid saturated porous medium with chemical reaction and radiation effects	Special Topics & Reviews in Porous Media - An International Journal, Vol. 4 (3), pp. 223-236, 2013

39	**Srinivasacharya, D.**; Swamy Reddy, G	Mixed convection heat and mass transfer over a vertical plate in a Power-law fluid saturated porous medium with radiation and chemical reaction effects	Heat Transfer – Asian Research, Vol. 42 (6), pp 485 - 499, 2013.
40	**Srinivasacharya, D.**; Mekonnen Shiferaw	Cross diffusion effects on chemically reacting MHD micropolar fluid between concentric cylinders	Transactions of ASME, Journal of Heat Transfer, December 2013, Vol. 135 / 122003-1 -10.
41	**Srinivasacharya, D.**; Upendar Mendu	Effect of double stratification on MHD free convection in a micropolar fluid	Journal of the Egyptian Mathematical Society, Vol. 21, pp. 370–378, 2013
42	Samuel O. Adesanya; **Srinivasacharya, D.**	Heat generating couple stress fluid flow through a channel filled with a porous medium	Int J of Heat and Technology, Vol 31(1), pp.97 - 102, 2013
43	**Srinivasacharya, D.**; Upendar Mendu	Thermal radiation and chemical reaction effects on MHD mixed convection heat and mass transfer in a micropolar fluid	MECHANIKA. Vol. 19(5), pp. 518-525, 2013
44	**Srinivasacharya, D.**; Krishna Prasad, M.	Axi-symmetric motion of a porous approximate sphere in an approximate spherical container	Archives of Mechanics, 65(6), pp. 485–509, 2013
45	**Srinivasacharya, D.**; Upendar Mendu	Soret and Dufour effects on mhd mixed convection in a micropolar fluid	Cent. Eur. J. Eng., Vol. 3(4), pp. 685-695, 2013
46	**Srinivasacharya, D.**; G. Swamy Reddy	Effect of double stratification on free convection in a Power-law fluid saturated porous medium	Fluid Dynamics & Materials Processing, vol.9, no.3, pp.291-305, 2013
47	**Srinivasacharya, D.**; Surender, O.	Non-Darcy mixed convection in a doubly stratified porous medium with Soret-Dufour effects	International Journal of Engineering Mathematics, Vol. 2014, Article ID 126218, 9 pages, 2014
48	**Srinivasacharya, D.**; Surender, O.	Non-similar solution for natural convective boundary layer flow of a nanofluid past a vertical plate embedded in a doubly stratified porous medium	International Journal of Heat and Mass Transfer, Vol. 71, pp. 431–438, 2014
49	**Srinivasacharya, D.** and Kaladhar, K.,	Soret and dufour effects on mixed convection flow of couple stress fluid in a nondarcy porous medium with heat and mass fluxes	Journal of Porous Media, Vol 17 (2), pp.93-101, 2014
50	**Srinivasacharya, D.** and Surender, O.	Non-Darcy Mixed Convection Induced by a Vertical Plate in a Doubly Stratified Porous Medium	Journal of Porous Media, Vol. 17 (3): 197–209, 2014.
51	**Srinivasacharya, D.** and Upendar Mendu,	Mixed convection in MHD micropolar fluid with radiation and chemical reaction effects	Heat Transfer Research, Vol. 45, (3), 199–218, 2014.
52	**Srinivasacharya, D.** and Upendar Mendu,	Mixed convection in a doubly stratified non-darcy porous medium with cross-diffusion effects	Proceedings of the 22nd National and 11th International; ISHMT-ASME Heat and Mass Transfer Conference; Dec 28-31, 2013, IITK, India
53	**D.S rinivasacharya, Ch. RamReddy, J. Pranitha,** Adrian Postelnicu	Soret and Dufour effects on non-Darcy free convection in a power-law fluid in the presence of a magnetic field and stratification	*HeatTransfer—Asian Research* 11 NOV 2013
54	**R. S. Selvaraj,** Venkatrajam Marka	On Normal q-ary Codes in Rosenbloom-Tsfasman Metric	ISRN Combinatorics, Hindawi Publishing Corporation [Accepted on 17th Mar. 2014]
55	**H.P. Rani,** T. Divya, R.R. Sahaya, V. Kain, D.K. Barua	Unsteady turbulent flow in a 3D 90 degree bend under wall thinning degradation environment	Nuclear Engineering and Design. 2014, Vol. 267, pp.164–171 .
56	**H.P. Rani,** T. Divya, R.R. Sahaya, V. Kain, D.K. Barua	CFD study of flow accelerated corrosion in 3D elbows	Annals of Nuclear Energy. 2014, Vol.69, pp.344–351
57	**A.Benerji babu,** Ragoju Ravi, S.G.Tagare	Nonlinear thermohaline magnetoconvection in a sparsely packed porous medium	Journal of Porous Media, 2014, Vol.17, pp.31-57

58	A.J. Chamkha, A.M. Rashad, **Ch. RamReddy**, P.V.S.N. Murthy	Effect of suction/injection on free convection along a vertical plate in a nanofluid saturated non-Darcy porous medium with internal heat generation	Indian Journal of Pure and Applied Mathematics (Springer)
59	A.J. Chamkha, A.M. Rashad, **Ch. RamReddy**, P.V.S.N. Murthy	Viscous dissipation and magnetic field effects in a non-Darcy porous medium saturated with a nanofluid under convective boundary condition	Special Topics & Reviews in Porous Media — An International Journal, 2014, 5 (1): 27–39.
60	A.M. Rashid, A.J.Chamkha, **Ch. RamReddy**, P.V.S.N.Murthy	Influence of viscous dissipation on mixed convection in a non-Darcy porous medium saturated with a nanofluid	Heat Transfer - Asian Research (Wiley), DOI: 10.1002/htj.21083
61	R.R. Kairi, **Ch. RamReddy**	Solutal dispersion and viscous dissipation effects on non-Darcy free convection over a cone in power-law fluids	Heat Transfer – Asian Research (Wiley), DOI: 10.1002/htj.21095
62	**Ch. RamReddy**, P.V.S.N.Murthy, A.J.Chamkha, A.M. Rashid	Influence of viscous dissipation on free convection in a non-Darcy porous medium saturated with nanofluid in the presence of magnetic field	The Open Transport Phenomena Journal, 5 (2013) 20–29
63	P.K. Kameswaran, P. Sibanda, **Ch. RamReddy**, P.V.S.N. Murthy	Dual solutions of stagnation-point flow of a nanofluid over a stretching surface	Boundary Value Problems(Springer), doi:10.1186/1687-2770-2013-188
64	**Ch. RamReddy; D.Srinivasacharya**	Double-diffusive convection from a permeable vertical surface in a micropolar fluid under convective boundary condition	Proceedings of the 22nd National and 11th International; ISHMT-ASME Heat and Mass Transfer Conference; Dec 28-31, 2013, IITK, India

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	**R. S. Selvaraj**, Venkatrajam Marka	Linear Codes in Rosenbloom-Tsfasman Metric: (u|u+v)-Construction	Oral	International Conference on Information and Mathematical Sciences (IMS-2013), Punjab, India, 24-26 Oct. 2013; Proceedings: Elsevier ISBN: 9789351071624
2	**R. S. Selvaraj**, Venkatrajam Marka	Normality of Binary Codes in Rosenbloom-Tsfasman Metric	Oral	International Workshop on Mathematical Modelling and Scientific Computing (MMSC-2013), Mysore, India, 22-25 Aug. 2013; Proceedings: IEEE Xplore

* **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.Dutta**, Pavan Kumar	Inventory...fuzzy number approach	Oral	FIUM-2013, NIT ROURKELA, JULY 18-20, 2013

* **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.	Ye Rim Cheon, Hui-Jun Yun, Kuppusamy Thangaraju, Yun-Hi Kim,	"Bis(1-phenyl-1H-benzo[d] imidazole)phenylphosphine oxide interlayer for effective hole blocking in efficient phosphorescent organic light emitting diodes based on widely used charge transporting layers",	*Synthetic Metals, Vol.190, pp. 39–43, Feb 2014 (Online).*
2.	P. Kishore, D. Dinakar, P.Vengal Rao, K. Srimannarayana,	Etched optical fiber vibration sensor to monitor health condition of beam like structures,	Photonic Sensors, vol. 3, no. 2, pp. 124-130, 2013. [p-ISSN: 1674-9251, e-ISSN: 2190-7439]
3.	P. Kishore, D. Dinakar, P.Vengal Rao, K. Srimannarayana,	Fiber Optic Fused 1x2 Coupler as a Vibration Sensor,	*Optica Applicata, issue 4, vol. 43 (2013).*
4.	P. Kishore, D. Dinakar, P.Vengal Rao, K. Srimannarayana,	Vibration sensor using 2x2 fiber Coupler,	***Optical Engineering**, issue 10, vol. 52 (2013).*
5.	P.Vengal Rao, K. Srimannarayana, M. Sai Shankar and P. Kishore	"A High Sensitive FBG pressure Sensor Using Thin Metal Diaphragm",	*Journal of optics, Springer, 2014, DOI:10.1007/s12596-014-0186-9.*
6.	P.Vengal Rao, K. Srimannarayana, M. Sai Shankar and P. Kishore	"Polymer packaged FBG Pressure sensor with enhanced sensitivity",.	*International Journal of Optoelectronic Engineering (IJOE), Vol. 4(1), 2014*
7.	N. Rajeswara Rao, T. Venkatappa Rao, S.V.S. Ramana Reddy and B. Sanjeeva Rao.	Influence of gamma irradiation on chemical structure and thermal properties of polyethylene maleic anhydride.	*Journal of polymer materials-An international journal (accepted).*
8	N. Rajeswara Rao, T. Venkatappa Rao, S.V.S. Ramana Reddy and B. SanjeevaRao.	The Study of Gamma Irradiation Effects on Poly (glycolic acid).	*Radiation effects and defects in solids: Incorporating Plasma Science and Plasma Technology, Taylor & Francis, (accepted).*
9	K. SowriBabu, A. Ramachandra Reddy, Ch. Sujatha, K. Vengopal Reddy,	"Optimization of UV emission intensity of ZnO nanoparticles by changing the excitation wavelength",	*Materials Letters, 99 (2013) 97-100.*
10	K. SowriBabu, A. Ramachandra Reddy, Ch. Sujatha, K. Vengopal Reddy, A.N. Mallika,	"Annealing effects on photoluminescence of ZnO nanoparticles",	*Materials Letters, 110 (2013) 97-100.*
11	K. SowriBabu, A. Ramachandra Reddy, K. Vengopal Reddy,	"Controlling the sizeand optical properties of ZnO nanoparticles by capping with SiO_2",	*Materials Research Bulletin 49 (2014) 537–543.*
12	A.N. Mallika, A. Ramachandra Reddy, K. SowriBabu, Ch. Sujatha, K. Venugopal Reddy,"	Structural and photoluminescence properties of Mg substituted ZnO Nanoparticles",	*Optical Materials 36 (2014) 879–884.*

* **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. Paul Joseph**, J. W. Lin, W. C. Chen, J. G. Lin	Effect of Isovalent Bi^{3+} Substitution at the La^{3+} Site on the Structural and Magnetic Properties of $LaMnO_3$	Poster	IUMRS-ICA-2013, Dec. 16-20, Indian Institute of Science, Bangalore
2	M. Kovendhan, **D. Paul Joseph**, P. Manimuthu, S. N. Karthick, Hee Je Kim, C. Venkateswaran, and R. Mohan	Dye Sensitized Solar Cell using spray deposited WO_3 thin film	Poster	IUMRS-ICA-2013, Dec. 16-20, Indian Institute of Science, Bangalore
3	P. Kishore, **D. Dinakar** , P. Vengal Rao and **K. Srimannarayana,**	"Remote vibration sensor using fiber optic fused 2x2 coupler",	Poster	Proceeding of SPIE Volume 8836, pp. 883605-1 to 883605-9, Optomechanical Engineering 2013, USA.
4	P. Kishore, **D. Dinakar, K.Srimannarayana,** P.Vengal Rao,	"***A simple 1x2 plastic optical fiber coupler based vibration sensor***",	Oral	Presented in an "Internationnal conference on Optics in Precison Engineering and Nano Technology" held at Singapore Expo, Expo 1 Drive, Singapore during 9-11 April, 2013.
5	P. Kishore, **D. Dinakar,** P. Vengal Rao, **K, Srimannarayana,**	"Fiber-Bragg grating seismic sensor using inverted spring-mass system",	Poster	SPIE Conf. Proc. 9141-65, SPIE Photonics Europe 2014, Brussels, Belgium, 14-17 April, 2014.
6	P.Vengal Rao, **K. Srimannarayana, M. Sai Shankar,** P. Kishore,	"Diaphragm based high sensitive FBG pressure sensor",	Poster	**Internationnal conference on Optics in Precison Engineering and Nano Technology ,**iCOPEN 2013", Proc. of SPIE Vol. 8769, 876927(1-6), 2013.
7	P.Vengal Rao, **K. Srimannarayana, M. Sai Shankar** and P. Kishore	"High sensitive FBG pressure sensor using metal bellows" Optomechanical Engineering,	Poster	SPIE Optics+Photonics 2013, Proc. SPIE, 8836, 88360D, 2013.
8	P.Vengal Rao, **K. Srimannarayana, M.Sai Shankar,** P. Kishore	'FBG sensor for temperature-independent high sensitive pressure measurement with aid of a Bourdon tube'	Poster	Proc. of SPIE, Optical Sensing and Detection III, 91412E, 2014, doi: 10.1117/12.2052908.
9	N. Rajeswara Rao, **T. Venkatappa Rao, S.V.S. Ramana Reddy** and B. Sanjeeva Rao	A study on gamma irradiation induced changes in biodegradable Polyglycolic acid..	Poster	Paper presented at *International conference on advanced polymeric materials* (ICAPM-2013) held at Mahatma Gandhi University, Kottayam, Kerala, held from 11th to 13th October 2013.
10	P.V.N. Kishore, **M.Sai Sankar,** P.Kishore, P.Vengal Rao and **S.Roy**	"Analyzing Characteristics of Sagnac loop Interferometric Stress Sensor"	Oral	*IEEE* Conference Proceedings ICMAP-2013, ISM Dhanbad, **Dec 13-15,2013.**
11	K. SowriBabu, **A. Ramachandra Reddy,** Ch. Sujatha, **K. Vengopal Reddy,**	"Photoluminescence of ZnO–SiO_2nanocomposite and its excitation wavelength dependence", 27thInternational.	Poster	Conference on Defects in Semiconductors 2013 **(ICDS-27);** AIP Conf. Proc. Bologna, Italy
12	K. Sowri Babu, **A. Ramachandra Reddy, K. Vengopal Reddy,**	"An intense green emission from ZnO nanoparticles coated with MgO",	Poster	Proceedings of the 17th Internatinal workshop on Physics of semiconductor devices **(IWPSD-17),** Environmental Science and Engineering 2014, pp 869-871.

13	A.N.Mallika, **A. Ramachandra Reddy,** K.Sowribabu, Ch.sujatha, **K.Venugopal Reddy,**	Effect of Mg Substitution on the Structural and Optical Properties of ZnO by sol-gel Method,	Poster	Proceedings of the "International Conference on Advanced Nanomaterials& Emerging Engineering Technologies" (ICANMEET-2013), organized by Sathyabama University, Chennai, India in association with DRDO, New Delhi, India, 24th -26th July,2013.
14	A.N.Mallika, **A. Ramachandra Reddy,** K.Sowribabu, **K.Venugopal Reddy**	Optimizing the Optical Properties of ZnO Nanoparticles with Al Doping	Poster	Physics of Semiconductor Devices Environmental Science and Engineering 2014, pp 763-766.
15	**M.Sai Shankar,** M.Manohar, **R.L.N.Sai Prasad,** B. Ramesh Kumar,	Thermal characterization of FBG sensors for nuclear fusion reactor relevant applications,	Poster	28th National Sym-posium on Plasma Science & Technology. **PLASMA 2013, Bhubaneswar,** December 3-6, 2013
16	P. Kishore, **D. Dinakar,** P. Vengal Rao, K, Srimannarayana and P. V. N Kishore	Study the effect of diameter of the fiber on the dual fiber vibration sensor	Poster	International conference on Microwaves and Photonics (ICMAP 2013) Organized by Indian School of Mines, Jharkand, Dec. 2013.

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

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, M.Narsihma Reddy and B.Sreedhar	Self-assembled 1-octadecyl-1H-1,2,4-triazole films on copper for corrosion protection	*Progress in Organic Coatings, 77(2014)202-212*
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	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, Zn2+ and citrate	*Journal of Surface Engineered Materials and Advanced Technology, 3 (2013) 28-42.*
4	B.V. Appa Rao, M.Narsihma Reddy	Self-assembled 1-octadecyl-1H-benzimidazole film on copper surface for corrosion protection	*Journal of Chemical Sciences,125(2013)1325-1338*
5	B V Appa Rao, Md. Yakub Iqbal, M.Narsihma Reddy, K.Chaitanya Kumar	Self-assembled nanofilm of 1,2-dihydro-3-(octadecylthio)benzotriazine on copper for corrosion protection	*Bulletin of Materials Science: 37 (2014)185-197*
6	B. V. Appa Rao, S. Srinivasa Rao and S. Roopas Kiran	Lactobionic acid as a new synergist in combination with phosphate-Zn (II) system for corrosion inhibition of carbon steel	*Journal of Materials Science and Technology30 (2014)77-89*
7	B. V. Appa Rao and K. Chaitanya Kumar	Effect of hydrodynamic conditions on corrosion inhibition of Cu–Ni (90/10) alloy in seawater and sulphide containing seawater using 1,2,3–benzotriazole	*Journal of Materials Science and Technology30(2014)65-76*
8	B. V. Appa Rao, K. Chaitanya Kumar, Neha Y. Hebalkar	X-ray photoelectron spectroscopy depth-profiling analysis of surface films formed on Cu–Ni (90/10) alloy in seawater in the absence and presence of 1,2,3-benzotriazole	*Thin Solid Films 556(2014)337-344*

9	Srinivasa Rao G, Srinivas Basavoju and Ramachandraiah A	Synthesis and Crystal Structure Analysis of 1-((2- hydroxylnap- hthalen-1-yl)(2- hydroxyl phen- yl)methyl)urea • 2DMF Solvate	Mol. Cryst. Liq. Cryst., Vol. 603: pp. 1–15, 2014
10	P. NageswaraRao, T. Ramesh and R. NageswaraRao	LC–MS/MS method for characterization of forceddegradation products of entecavir	*Journal of separation science*, 2014, 37, 368 – 375
11	P. NageswaraRao, T. Ramesh and R. NageswaraRao	LC–MS/MS characterization of forced degradation products of zofenopril	*Journal of pharmaceutical and Biomedical Analysis*, 2014, 88, 609 – 616
12	P. NageswaraRao, T. Ramesh and R. NageswaraRao	Development of LC-MS/MS method for the determination of dapiprazole on dried blood spots and urine: application to pharmacokinetics	*Biomedical Chromatography*, 2014, 28, 615 – 620
13	P. NageswaraRao, T. Ramesh and Kali Suresh	Enantiomericseparationofsitagliptinby a validatedchiralliquidchromatographicmethod	*Analytical methods*, 2014, 6, 223 – 228
14	P. NageswaraRao, T. Ramesh, R. NageswaraRao and K.V.V. Satyanarayana	Hydrophilic interaction liquid chromatography for the determination of vesnarinone on dried blood spots; application to pharmacokinetics in rats	*New Journal of Chemistry*, 2013, 37, 3092 – 3099
15	P. NageswaraRao, T. Ramesh, R. NageswaraRao and S. Saida	Optimization and validation of a fast RP–HPLC method for the determination of dobutamine in rat plasma: Pharmacokinetic studies in healthy rat subjects	*Journal of Pharmaceutical Analysis*, 2013, 3(6), 434 – 439
16	P. NageswaraRaoand T. Ramesh	Development and validation of a stability-indicating RP-HPLC assay method and stress degradation studies on dapiprazole	*Journal of Chromatographic science*, 51(9), 2013, 856-860
17	K. Laxma Reddy, P. Kavitha and M. Saritha	Synthesis, structural characterisation, fluorescence, antimicrobial, antioxidant and DNA cleavage studies of Cu(II) complexes of formylchromone Schiff bases	*SpectrochemicaActa Part A 2013, 102, 159*
18	K. Laxma Reddy, P. Kavitha and M. Ramachary	Synthesis characterisation, biological activity and DNA cleavage studies of tri dentate Schiff bases and their Co(II) complexes	*Journal of Saudi Chemical Society In Press*
19	K. Laxma Reddy and P. Kavitha	Pd(II) complexes bearing chromone based Schiff bases: Synthesis, characterisation and biological activity	*Arabian Journal of Chemistry In Press*
20	K. Laxma Reddy and P. Kavitha	Synthesis, Structural Characterization and Biological Activity Studies of Ni(II) and Zn(II) Complexes	*Bioinorganic Chemistry and Applications In Press*
21	B. Rajitha, B. Janardhan B. Srinivas and Peter A. Crooks	Synthesis of fused thiazolo[3,2-a]pyrimidinones: N-aryl-2-chloroacetamides as doubly electrophilic building blocks	*Tetrahedron Letters 2014, 55, 224–226*
22	B. Rajitha, B. Janardhan and Peter A. Crooks	Sodium fluoride as an efficient catalyst for the synthesis of 2,4-disubstituted-1,3-thiazoles and selenazoles at ambient temperature	*Chinese Chemical Letters 2014, 25, 172-175*
23	B. Rajitha, V. Ravibabu, B. Janardhan and P. AcharyaNagarjun,	Synthesis of thioalkylated-4-aryltetrahydroquinazolinone derivatives and their antibacterial activity	*Organic Communications 2014, 7, 45-52*
24	B. Rajitha, B. Janardhan, V. Ravibabu, G. Rajitha and Peter A. Crooks	Highly efficient conversion of fused 2-amino-4-aryl-4H-chromene-3-carbonitriles into fused 2-oxo-4-aryl-2H-chromene-3-carbonitriles using Vilsmeier conditions	*Tetrahedron Letters 2013, 54, 3862–3864*
25	B. Rajitha, B. Janardhan and S. Vijayalaxmi,	Sulfamic acid-catalyzed multicomponent one-pot synthesis of poly-substituted pyridines and their antimicrobial activity	*Journal of Heterocyclic Chemistry 2013, 50, 1230-1235*
26	B. Rajitha, B. Janardhan, G. Rajitha and V. Ravibabu,	Brønsted acidic ionic liquid catalyzed an efficient and eco-friendly protocol for the synthesis of 2,4,5-trisubstituted-1H-imidazoles under solvent-free conditions	*Arabian Journal of Chemistry 2014, In Press*

27	B. Rajitha, B. Janardhan and Peter Crooks	Poly(4-vinylpyridinium)hydrogen sulfate: An efficient heterogeneous catalyst for the one-pot synthesis of polyhydroquinolinesvia unsymmetrical Hantzsch reaction in aqueous medium	*Journal of Saudi Chemical Society 2014, In Press*
28	B. Rajitha, B. Janardhan and Peter 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 2014,In Press*
29	B. Rajitha, B. Janardhan and B. Srinivas,	Pyridiniumylide assisted highly stereoselective one-pot synthesis of trans-2-(4-chlorobenzoyl)-3-aryl-spiro[cyclopropane-1,2'-inden]-1',3'-diones and their antimicrobial and nematicidal activities	*Journal of Heterocyclic Chemistry 2014, In Press*
30	B. Rajitha, G. Rajitha and B. Janardhan	"One-pot multicomponent synthesis of novel substituted imidazo[1,2-a]pyridine incorporated thiazolylcoumarins and their antimicrobial activity	*Journal of Heterocyclic Chemistry 2014, In Press*
31	V. Rajeswar Rao , Santhosh Penta	An efficient improved one pot synthesis of thiazolo[2,3'][1,2,4]thiazole -5-yl) -2H-chromine-2one derivatives via multi-component approach	IJCB, 2014, 53, 115-119.
32	V. RajeswarRao and Ch. V. SreenivasaRao.	One-pot synthesis of aryl (hetaryl) thiazolyl-pthalazine-1,4-diones via multi-component approach	Chemistry of Heterocyclic compounds, 2013, 4, 628-632.
33	V. RajeswarRao and Ch. V. SreenivasaRao,	Syntesis of Coumarin substituted triazolothiadiazine derivatives via ring transformation reaction.	*Journal of heterocyclic chemistry, 2013, 50, 159-163.*
34	V. RajeswarRao and Ch. V. SreenivasaRao,	Synthesis of aryl and hetryl 1,3,4-thiadiazinyl-phthalazine-1,4-dione derivatives via a multi-component approach.	*SynthetcCommuncations, 2013, 43, 923-929,*
35	V. RajeswarRao, SanthoshPenta, Kranthi Kumar Gadidasu, SrinivasBasavoju,	An efficient one-pot synthesis of pyrazolyl-[1,2,4] triazolo[3,4-b][1,3,4] thiadiazin-6-yl)-2H-pyran-2-one derivatives via multicomponent approach and their potential antimicrobial and nematicidal activities.	*Tetrahedron Letters, 2013, 54(42), 5663-5666*
36	V. RajeswarRao, SanthoshPenta	Synthesis of 2,4,6-Tri-Substituted Pyridine Derivatives in Aqueous Medium via Hantzsch Multi-Component Reaction Catalyzed by Cerium (IV) Ammonium Nitrate	*Journal of Heterocyclic chemistry. 2013 50(4), 859–862*
37	RajeswarRaoVedula, SreenuPavurala	Synthesis of 3-(2-(4,5-Dihydro-3,5-diphenylpyrazol-1-yl)thiazol-4-yl)-2H-chromen-2-one Derivatives via Multicomponent Approach.	*Synthetic Communications 2014, 44, 583-588.*
38	RajeswarRaoVedula, Bade Thirupaiah	Novel One-Pot Multicomponent Synthesis of Substituted 2,3-Dihydro-2-(6-(4-hydroxy-6-methyl-2-oxo-2H-pyran-3-yl)-7H-[1,2,4]triazolo[3,4-b] [1,3,4]thiadiazin-3-yl)phthalazine-1,4-diones and Substituted 3-[3-(N'-Benzylidene-hydrazino)-7H-[1,2,4] triazolo[3,4-b][1,3,4]thiadiazin-6-yl]-4-hydroxy-6-methyl-pyran-2-ones	*Synthetic Communications 2014, 44, 513-519*
39	Rajeswar Rao Vedula & Bade Thirupaiah	Highly regioselective synthesis of 4-hydraoxy-6-methyl-3-(3-R-sulfanyl-7H-[1,2,4]triazolo[3,4-b][1,3,4]thiadiazine-6-yl)-2H-pyran-2-ones.	*Russan journal of Organic Chemistry. 2014, 50, 137-139.*
40	Rajeswar Rao Vedula. & Sreenu Pavurala	Synthesis of 3-(3 (Phenacyl/Alkyl/Benzylthio)-[1,2,4]Triazolo[3,4-B][1,3,4]Thiadiazol-6-Yl)-2H-Chromen-2-Ones.	*Phosphorus, Sulfur, and Silicon, 2014, 1, 143-148.*

41	Rajeswar Rao Vedula. Tewodros Birhanu Aychiluhim	Multi-component Synthesis of 3-{3-[2- (1H-Indol-3-yl)ethyl]}-2,3-dihydro-2-(aryliminothiazol-4-yl)-2H-chromen-2-ones.	*Organic Preparations and Procedures International, 2014, 46:66–75.*
42	Koteshwara Reddy, K. V. Gobi	Artificial Molecular Recognition Material Based Biosensor for Creatinine byElectrochemical Impedance Analysis	*Sensors and Actuators B, 2013, 183, 356-363.*
43	K. V. Gobi, Koteshwara Reddy	Electrochemical and ElectrocatalyticInvestigations of Thin Films of Nano Au Bioconjugates of Cytochrome c for Detection of Superoxide Dismutase Enzyme	*Proceedings of the Triennial International Conference on Advances and Recent Trends in Electrochemistry, 2013, 572-575.*
44	Satyanarayana M, K. V. Gobi	Electrochemical Detection of IsoniazidUsing Carbon nanotubes-ChitosanBiocomposite modified electrode	*Proceedings of the Triennial International Conference on Advances and Recent Trends in Electrochemistry, 2013, 449-454.*
45	Satyanarayana M, K. Koteshwara Reddy, K. V. Gobi	Multiwall Carbon NanotubeEnsembled Biopolymer Electrode for Selective Determination of Isoniazid in-vitro	*Analytical Methods, 2014, 6, 3772 - 3778.*
46	Satyanarayana M, K. Koteshwara Reddy, K. V. Gobi	Highly sensitive nanocomposite-based electrochemical sensor for determination of serotonin in the presence of dopamine, ascorbic acid and uric acid	*Proceedings of the Eleventh ISEAC International Discussion Meet on Electrochemistry and its Applications, 2014. O-5, 97-102.*
47	BhavaniKedika, Srilakshmi V Patri	Benzothiazole head group based cationic lipids: Synthesis and application for gene delivery	*European Journal of Medicinal Chemistry 74 (2014) 703-716*
48	Amarnath Velidandi, Prasanna Bethanamudi, Kranthi Kumar Gadidasu, Srilakshmi V. Patri	Design, Synthesis and Anticancer Activity of Novel Dihydropyrazole and Benzothiazole Conjugates.	*Communicated to Medicinal Chemistry Research.*
49	Janardhan Banothu, Manjulatha Khanapur, Srinivas Basavoju, Rajitha Bavantula, Muralikrishna Narra, Sadanandam Abbagan	Synthesis, characterization and biological evaluation of fused thiazolo[3,2-a]pyrimidine derivatives	*RSC Advances, DOI: 10.1039/C4RA02514H*
50	GudipatiSrinivasaRao, SrinivasBasavoju and Ramachandraiah A.	Crystal Structure Analysis of Betti Base 1-((2-hydroxynaphthalen-1-yl)(2-hydroxyphenyl)methyl) urea•2DMF Solvate	*Molecular Crystals and Liquid Crystals, In press*
51	Banothu Janardhan, Srinivas Basavoju, Bavantula Rajitha, Crooks Peter A.	Synthesis of fused thiazolo[3,2-a]pyrimidinones: N-aryl-2-chloroacetamides as doubly electrophilic building blocks	*Tetrahedron Letters, 2013, 55(1), 224-226*
52	Santosh Kumar, Arabinda Baruah, Surendar T, Vishnu Shanker and B. Sreedhar	Cost-effective and eco-friendly synthesis of a novel and stable N-doped ZnO/g-C3N4 core-shell nanoplates with excellent visible-light responsive photocatalysis	*Nanoscale, 2014, 6, 4830*
53	Surendar T, Santosh Kumar, Syam Kandula and Vishnu Shanker	Fe-doped mediated graphitic carbon nitride nanosheets: Photocatalytic application towards the degradation of dye under the sunlight irradiation,	*J. Mater. Chem. A, 2014, 2, 6772*
54	Santosh Kumar, Surendar T and Vishnu Shanker	Template-free and eco-friendly synthesis of hierarchical Ag3PO4 microcrystals with sharp corners and edges for enhanced photocatalytic activity under visible light	*Mat. Lett., 2014, 123, 172*
55	Santosh Kumar, Surendar T, Bharat Kumar, Arabinda Baruah, and Vishnu Shanker	Synthesis of Magnetically Separable and Recyclable g-C3N4–Fe3O4 Hybrid Nanocomposites with Enhanced Photocatalytic Performance under Visible-Light Irradiation	*, J. Phys. Chem. C, 2013, 117, 26135.*

56	Santosh Kumar, Surendar T, Bharat Kumar, Arabinda Baruah and Vishnu Shanker	Synthesis of highly efficient and recyclable visible-light responsive mesoporous g-C3N4 photocatalyst via facile template-free sonochemical route	*RSC Adv., 2014, 4, 8132.*
57	T Surendar, Santosh Kumar, Vishnu Shanker	Influence of La-doping on phase transformation and photocatalytic properties of ZnTiO3 nanoparticles synthesized via modified sol–gel method,	*Phys. Chem. Chem. Phys., 2014,16, 728.*
58	S. Kumar, T. Surendar, Bharat Kumar and V. Shanker	g-C3N4/NaTaO3 organic–inorganic hybrid nanocomposite: High-performance and recyclable visible light driven photocatalyst	*Materials Research Bulletin, 2014, 49, 310.*

* **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	**B V Appa Rao**, Md Yakub Iqbal, K Chaitanya Kumar & M Narsihma Reddy	Corrosion protection of copper by self assembled nano film of 4-amino-3-(octadecylthio)-6-methyl-1,2,4-triazinone	Indian Journal of Chemical Technology 21 (2014) 188-198.
2	**B. Rajitha** B. Janardhan, G. Rajitha and V. Ravibabu,	Brønsted acidic ionic liquid catalysis: An efficient and eco-friendly synthesis of novel fused pyranopyrimidinones and their antimicrobial activity	Journal of chemical sciences 2013, 125, 843-849

* 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	**B.V.Appa Rao and K.Chaitanya Kumar**	Inhibitor formulations for mitigation of microbially influenced corrosion of Cu–Ni (90/10) alloy in seawater environment	Oral	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, 2013
2	**B.V.Appa Rao and M.Narsimha Reddy**	Corrosion protection of copper by self assembled nano film of 1-octadecyl-1Hbenzimidazole	Oral	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, 2013.
3	**B.V.Appa Rao and Vimal Kumar K**	Chemically modified biological polymer as an ecofriendly corrosion inhibitor for mild steel in cooling water systems	Poster	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, 2013
4	**P. NageswaraRao,** T. Ramesh, R. NageswaraRao	Determination of in vivo metabolites of valacyclovir in rat plasma, urine and feces by LC-MS/MS: application to pharmacokinetics	Oral	Recent Advance in Analytical Sciences (RAAS-2014), held to be ISAS Varanasi Chapter, during 27th -29th March 2014.
5	**K. Laxma Reddy, P. Kavitha**	Synthesis, Structural Characterization and Biological Activity Studies of Pd(II) Complexes	Poster	ACS Conference on Organic Chemistry, Washington University, Seattle, USA: 23-6-13 to 27-6-2013

6	**B. Rajitha and G. Rajitha**	Indolyl-thiazolyl-chromene-2-ones as potent anticancer agents	Poster	Drug Discovery India-2013, Bangalore, India, 27-09-2013 to 28-09-2013
7	**B. Rajitha and B. Janardhan**	Synthesis and biological evaluation of novel fused thiazolo[3,2-a]pyrimidine derivatives	Oral	FloHet-2014, University of Florida, Gainesville, USA 02-03-2014 to 05-03-2014
8	**Satyanarayana M, K. Koteshwara Reddy, K. V. Gobi**	Highly sensitive nanocomposite-based electrochemical sensor for determination of serotonin in the presence of dopamine, ascorbic acid and uric acid.	Oral	Eleventh ISEAC International Discussion Meet on Electrochemistry and its Applications on 20 – 25 February, 2014 at Amritsar, Punjab.
9	**K. V. Gobi, K. Koteshwara Reddy, K. Yugender Goud**	Molecular Imprinted Polymer based Electrodes for Electrochemical Impedimetric Detection of Biomarkers and Explosive Compounds	Oral	Indo ☐ UK Seminar on Molecular Imprinting: Strategies, Applications and Future Perspective on 5th to 7th February, 2014 at NEERI Nagpur, India.

* **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	**Prof. B.V. Appa Rao**	Self-assembled organic nano films on copper for corrosion protection	Oral	A.P. Science congress.,Nov. 2013, University of Hyderabad, Hyderabad
2	D.sarada kalyani, S. Srinivasa Rao, M. saratbabu , **B.V. Appa Rao** and B.Sreedhar	Inhibitive effect of phosphonate based surface film on corrosion of carbon steel in low chloride environment	Oral	Proc. Of 1st national conference on corrosion, surface engineering & Tribology (CST2013) April22-23 2013
3	**Prof. B.V. Appa Rao**	Chemically modified chitosan for the removal of heavy metals from waste water	Oral	National conference on recent advances in water and waste water treatment,(RAWWT-March, 2014)
4	Gudipati Srinivasa Rao, Ashutosh Kumar Yadav & **A. Ramachandraiah**	Spectral and Electrochemical studies of the kinetics hydrolysis of biphenyl –bridged pyridine-2-imine Schiff bases and their metal complexes	Poster	"Recent Advances in Analytical Science (RAAS)" at IITBHU- Varanasi, 27th – 29th march 2014, Organized by Department of Chemistry, IIT-BHU & Indian Society of Analytical Scientists ISAS (Varanasi Chapter).
5	Ashutosh Kumar Yadav, Gudipati Srinivasa Rao & **A.Ramachandraiah**	Fast Scan Spectrophotometry and Spectroelectrochemical voltammetry as tools to monitor fast kinetics and transient reaction intermediates	Poster	"Recent Advances in Analytical Science (RAAS)" at IITBHU- Varanasi, 27th – 29th march 2014, Organized by Department of Chemistry, IIT-BHU & Indian Society of Analytical Scientists ISAS (Varanasi Chapter).
6	Gudipati Srinivasa Rao & **A.Ramachandraiah**	Spectral, Electrochemical and Molecular Modelling Studies of (N4E, N4'E)- 3,3'-dimethyl-N4,N4'-bis (pyridin-2-ylmethylene)biphenyl-4,4'-diamine	Oral	Emerging Trends in Chemical Sciences (ICETCS), held on 14th-15th March, 2013, Organized by Central University of Gujarat
7	**P. NageswaraRao,** T. Ramesh and R. NageswaraRao	Separation and characterization of forced degradation products of enticavir by LC-MS/MS	Oral	*Emerging Trends in Analytical Sciences (ETAS-2013)* held at CSIR-IICT, Hyderabad, A.P., and India during 27th to 28th November 2013. Organized by Indian Society of Analytical Scientists, Hyderabad Chapter.

8	**Rajeswar Rao & Krishnaiah Vaarla**	Synthesis of 6-(5-methyl-isoxazol-3yl)-3-alkyl sulphonyl-[1,2,4]triazolo-[3,4-b][1,3,4]thiadiazoles	Poster	*SELECTBIO, "Drug Discovery India 2013", Bangalore, India, sep 27-28, 2013*
9	**RajeswarRao**		Poster	*Nature Inspired Initiatives in chemical Trends, CSR-IICT, Hydrabad, March 2-5, 2014*
10	**Rajeswar Rao Vedula & SreenuPavurala**	Synthesis of 3-(3 (Phenacyl/Alkyl/Benzylthio)-[1,2,4]Triazolo[3,4-B][1,3,4]Thiadiazol-6-Yl)-2H-Chromen-2-Ones.	Poster	*Drugs for the Future: Infectious Diseases (DFID) Antimicrobial Drug Discovery: Challenges and Perspectives March 27-28, 2014*
11	**Rajeswar Rao Vedula & Krishnaiah Vaarla**	A facile one-pot synthesis of coumarin substituted thiazolyl-3-aryl-pyrazole-4-carbaldehydes via multicomponent approach	Poster	*Nature Inspired Initiatives in chemical Trends, CSR-IICT, Hydrabad, March 2-5, 2014*
12	**Rajeswar Rao Vedula & Tewodros Birhanu**	Multi-component synthesis of 6-phenyl-3-(1H-pyrazol-1-yl)-7H-[1,2,4]triazolo[3,4-b][1,3,4]thiadiazine derivatives as potential anticancer agents.	Poster	*Nature Inspired Initiatives in chemical Trends, CSR-IICT, Hydrabad, March 2-5, 2014*
13	**Srinivas Basavoju**	X-ray diffraction techniques	Oral	*National workshop on "Modern Instrumental Methods of Inorganic Chemical Analysis of Engineering Materials (MIMICAEM)", 22nd-26th October 2013, sponsored by TEQIP-II, at National Institute of Technology, Warangal, Andhra Pradesh*

* **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	D.S.Kesava Rao	A Short Scrutiny of Double Quest in Maragret Atwood's " Cat's Eye"	Forum for Musings: JNTU Journal , Vol.8, No.1, pp. 33-40
2	**M. Raja Vishwanathan**	Overcoming situational constraints in Communicative Language Teaching	www.rjelal.com May 2013 ; ISSN : 2321-3108: 2013;2013
3	**M. Raja Vishwanathan**	Needs analysis in materials design for the ESL classroom	JNTU-Forum for musings ; 2014; Vol 8 (1) pp. 22-25
4	**M. Raja Vishwanathan**	Exploring the Use of Communication Strategies in the Second Language Classroom	In " A taste for language and literature" ; March 2014
5	**M. Raja Vishwanathan**	Only English, please : We're Indians	Fortell ; Vol 27; July 2013 ISSN : 2229-6557
6	**M. Raja Vishwanathan** & Anand Mahanand	Using literature in the English classroom	The Second language classroom; 2003
7	**M. Raja Vishwanathan**	Cultural Politics and the Teaching of English at Tertiary Level: An Exploratory Study	Monograph; published by Osmania university Press- August 2013

* **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	**Kesari., Madhavi**	**Devising Need Based ELT Materials in the Rural Backdrop An Experimental Study**	Post Colonial Pedagogical Issues Strategies, Theories and Practices in ELT edt by Binod Misra and Prashant Misra Adhyayan Publications West Bengal. -978-81-8435-398-3 pgs 103-110. 2014

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.S.Kesava Rao	Developing Intercultural Competence through Literary Texts	Oral	**Fourth International Conference on the Development and Assessment of Intercultural Competence** Organised by Center for Educational Resources in Culture, Language and Literacy , January 21-24, 2014 Tucson, Arizona, USA
2	Madhavi Kesari	*'Critical Thinking –An Effective Tool to Learning in a Pedagogical Context'*	Oral	8th International and 44th National ELTAI organized by SRM University, Kattankulathur, TamilNadu from 19th -21st July 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.	Madhavi Kesari	*'Differentiated Instruction and E-Learning*		Two Day National Conference on *Relevance of English, Mathematics & Management Sciences to Technical Courses* organized by Mahatma GANDHI Institute of Technology Gandipet, Hyderabad on 3rd and 4th of April 2014

* **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. 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

b) UG B.Tech. 2013-2014

Name of the Course	Total No. of Students (all years)			Out of Total No. of students shown in col. (2) & (3)																	
				Open			OBC			S C			S T			Physically Handicapped			Foreign		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
B.Tech																					
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
I Year	657	171	828	236	85	321	173	36	209	83	20	103	42	8	50	19	1	20	104	21	125
II Year	728	126	854	296	46	342	167	27	194	89	15	104	48	6	54	11	3	14	117	29	146
III Year	665	146	811	260	78	338	175	27	202	82	17	99	45	6	51	20	3	23	83	15	98
IV Year	607	142	749	249	61	310	164	38	202	76	14	90	32	6	38	8	3	11	78	20	98
Total	2657	585	3242	1041	270	1311	679	128	807	330	66	396	167	26	193	58	10	68	382	85	467

c) Students on rolls B.Tech. (Class-wise & Branch – wise) during 2013-2014

Branch	I Year			II Year			III Year			IV Year			Grand
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Total
I. Civil Engineering													
1. Open	31	11	42	37	5	42	38	8	46	36	10	46	176
2. B.C	22	6	28	28	4	32	20	3	23	20	4	24	107
3. S.C	14		14	11		11	10	1	11	12		12	48
4. S.T	4	2	6	8		8	3	2	5	5		5	24
Total	71	19	90	84	9	93	71	14	85	73	14	87	355
II Electrical & Electronics Engineering													
1. Open	35	15	50	39	7	46	33	12	45	38	6	44	185
2. B.C	24	4	28	23	4	27	24	2	27	18	9	27	109
3. S.C	13	4	17	9	4	13	11	2	13	8	3	11	54
4. S.T	8	1	9	6	1	7	4	2	6	3		3	25
Total	80	24	104	77	16	93	72	18	90	67	18	85	372
III Mechanical Engineering													
1. Open	42	2	44	49		49	47	2	49	39		39	181
2. B.C	36	0	36	26		26	29	1	30	28		28	120
3. S.C	15	0	15	15		15	15		15	15		15	60
4. S.T	7	1	8	7		7	6		6	4		4	25
Total	100	3	103	97	0	97	97	3	100	86	0	86	386
IV. Electronics & Communication Engineering													
1. Open	37	11	48	49	8	57	36	14	50	40	7	47	202
2. B.C	23	7	30	22	5	27	31	5	36	30	4	34	127
3. S.C	14	2	16	13	3	16	13	2	15	10	2	12	59
4. S.T	7	1	8	7	1	8	9		9	6		6	31
Total	81	21	102	91	17	108	89	21	110	86	13	99	419
V. Metallurgical & Materials Engineering													
1. Open	23	7	30	21	4	25	20	7	27	17	7	24	106
2. B.C	15	1	16	13	3	16	16		16	14	2	16	64
3. S.C	6	3	9	7	1	8	6	2	8	8		8	33
4. S.T	2	1	3	4	1	5	5		5	4		4	17
Total	46	12	58	45	9	54	47	9	56	43	9	52	220
VI. Chemical Engineering													
1. Open	27	14	41	39	10	49	30	14	44	27	12	39	173
2. B.C	18	7	25	15	4	19	20	3	23	24	6	30	97
3. S.C	8	3	11	11	4	15	8	5	13	11	2	13	52
4. S.T	4	2	6	6		6	7	1	8	4	3	7	27
Total	57	26	83	71	18	89	65	23	88	66	23	89	349
VII. Computer Science & Engineering													
1. Open	34	14	48	47	6	53	43	11	54	37	10	47	202
2. B.C	31	3	34	29	3	32	27	6	33	21	8	29	128
3. S.C	13	3	16	11	3	14	9	3	12	8	3	11	53
4. S.T	8		8	8	1	9	6		6	5		5	28
Total	86	20	106	95	13	108	85	20	105	71	21	92	411
VIII. Bio-Technology													
1. Open	16	12	28	21	7	28	21	13	34	17	11	28	118
2. B.C	11	8	19	14	5	19	16	7	23	14	5	19	80
3. S.C	3	5	8	12	1	13	11	2	13	6	4	10	44
4. S.T	3		3	4	2	6	8	1	9	1	3	4	22
Total	33	25	58	51	15	66	56	23	79	38	23	61	264

CATEGORY	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	245	86	331	302	47	349	268	81	349	251	63	314	1066	277	1343
2. B.C	180	36	216	170	28	198	183	27	210	169	38	207	702	129	831
3. S.C	86	20	106	89	16	105	83	17	100	78	14	92	336	67	403
4. S.T	43	8	51	50	6	56	48	6	54	32	6	38	173	26	199
Total	554	150	704	611	97	708	582	131	713	530	121	651	2277	499	2776

Student's Total Strength in UG Programmes: 2776

d) PG: M Tech and MSc Branch wise MCA, MBA, MSc Tech 2013-14 batch

Sl No	Course Name	Sanctioned Intake	Open			OBC			SC			ST			PHC			QIP/Sponsored			Foreign Students			Total		
			Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
	Engineering																									
1	Engineering Structures	27	11	3	14	4	3	7	1	2	3	2		2		1	1			0	1		1	19	9	28
2	Geo-Technical Engineering	27	8	5	13	6	1	7		3	3	2		2			0			0			0	16	9	25
3	Transportation Engineering	28	11	3	14	5	2	7	3	1	4	1		1	1		1			0			0	21	6	27
4	Water Resource Engineering	27	6	8	14	3	2	5	1	3	4	2		2			0			0			0	12	13	25
5	Remote Sensing & GIS	27	9	4	13	2	4	6	1	1	2	3		3			0			0			0	15	9	24
6	Environmental Engg.	27	4	10	14	3	3	6	1	3	4	1	1	2			0			0			0	9	17	26
7	Construction Techniques & Management	27	11	5	16	3	2	5	2	1	3	2		2	1		1			0			0	19	8	27
8	Power Electronics & Drives	40	18	3	21	9	1	10	4	1	5	2	1	3	1		1			0			0	34	6	40
9	Power Systems Engg.	40	15	4	19	9	1	10	6		6	1	1	2	1		0			0			0	32	6	38
10	Thermal Engineering	20	11		11	4		4	2		2	2		2			0			0	2		2	21	0	21
11	Manufacturing Engineering	20	8	2	10	5		5	3		3	1		1			0			0			0	17	2	19
12	Computer Integrated Manufacturing	19	8	4	12	2	1	3	1	1	2	1		1			0			0			0	12	6	18
13	Product Design and Development	20	13		13	2	1	3	3		3	1		1			0			0			0	19	1	20
14	Automobile Engineering	19	11	1	12	2		2	3		3			0			0			0			0	16	1	17
15	Materials and Systems Engineering Design	12	6		6	3		3	1		1	1		1			0	1		1			0	12	0	12
16	Electronics Instrumentation	22	12		12	5	1	6	2		2	1		1			0			0			0	20	1	21
17	VLSI System Design.	22	11	2	13	3		3	2	2	4	1		1			0			0			0	17	4	21
18	Advanced Communication Systems	26	11	2	13	5	1	6	2	1	3	2		2	1		1			0			0	21	4	25
19	Materials Technology	26	12	1	13	5	1	6	4		4			0			0			0			0	21	2	23
20	Industrial Metallurgy	22	6		6	2		2	3		3			0			0			0			0	11	0	11
21	Chemical Engineering	22	7	4	11	3		3	2	1	3			0			0			0			0	12	5	17
22	Computer Science and Engineering	22	12		12	2	2	4	1	1	2	2		2			0			0	1		1	18	3	21
23	Information Security	22	8	2	10	4	2	6	3		3	1		1	1		1			0			0	17	4	21
	Total	564	229	63	292	91	28	119	51	21	72	29	3	32	6	1	7	1	0	1	4	0	4	411	116	527

Sl No	Course Name	Sanctioned Intake	Open			OBC			SC			ST			PHC			QIP/Sponsored			Foreign Students			Total		
			Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
	Sciences																									
1	M.Sc. Mathematics (Applied Mathematics)	24	3	8	11	1	3	4	0	0	0	0		0	0		0			0			0	4	11	15
2	M.Sc. Mathematics (Mathematics and Scientific Computing)	24	0	0	0	0	0	0	0	0	0	0		0	0		0			0			0	0	0	0
3	M.Sc. Tech. Engineering Physics	48	11	3	14	0	1	1	1	0	1	0		0	0		0			0			0	12	4	16
4	M.Sc. Chemistry (Dyes, Drugs, Pharmaceuticals and Pesticides)	24	5	7	12	2	4	6	1	3	4	0		0	0		0			0			0	8	14	22
5	M.Sc. Chemistry (Modern Methods in Chemicals Analysis)	24	7	6	13	4	2	6	0	0	0	0		0	0		0			0			0	11	8	19
	Total	144	26	24	50	7	10	17	2	3	5	0	0	0	0	0	0	0	0	0	0	0	0	35	37	72
1	Master in Computer Applications	46	12	7	19	11	2	13	4	2	6	2	1	3	1		1			0			0	30	12	42
1	Master of Business Administration	62	13	18	31	12	5	17	2	3	5	1	1	2	0		0			0			0	28	27	55
	Grand Total	816	280	112	392	121	45	166	59	29	88	32	5	37	7	1	8	1	0	1	4	0	4	504	192	696

e) Total Enrollment for the year 2013-2014 (PG Courses)

	Open			OBC			SC			ST			PH			QIP/Foreign			Total		
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
I-Semester	280	112	392	121	45	166	59	29	88	32	05	37	07	01	08	05	0	05	504	192	696
III-Semester	295	95	390	152	32	184	76	18	94	28	8	36	12	1	13	23	2	25	586	156	742
V-Semester	21	13	34	11	4	15	6	1	7	2	0	2	0	0	0	0	0	0	40	18	58
Grand Total	596	220	816	284	81	365	141	48	189	62	13	75	19	2	21	28	2	30	1130	366	1496

Student's Total Strength in PG Programmes: 1496

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

a). B.Tech 2013-2014

Sl.No.	Branch	Duration	Sanctioned Intake	Actual Enrolment	
				Indians	Foreigners
1	Civil Engineering	4 Years	92	88	22
2	Electrical & Electronics Engineering	4 Years	108	105	21
3	Mechanical Engineering	4 Years	108	106	25
4	Electronics & Communication Engineering	4 Years	108	105	26
5	Metallurgical and Materials Engineering	4 Years	62	59	2
6	Chemical Engineering	4 Years	92	88	8
7	Computer Science & Engineering	4 Years	108	107	25
8	Bio-Technology	4 Years	62	60	1
Total			740	718	130

Nationality-Wise Distribution 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	

Nationality-Wise Distribution of Foreign Students in B.Tech (First to Final Year)- 2013-2014

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	2	1	3	DASA
		1		1	SPDC
2	Afghanistan	18		18	ICCR
3	Australia	1		1	DASA
4	Bahamas	1		1	DASA
5	Bangladesh	2		2	DASA
		9	1	10	ICCR
		1		1	SPDC
		2		2	MEA (SFC)
6	Behraen	2	3	5	DASA
		1		1	SPDC
7	Brazil	1		1	MEA (SFC)
8	Britan	1		1	DASA
9	Bhutan	7	2	9	ICCR
		2		2	MEA
10	Botswana	1		1	ICCR
11	Colombo	1		1	DASA
12	Dubai	11	2	13	DASA
		1		1	SPDC
13	Fiji	2		2	ICCR
14	Guinea	1		1	DASA
15	Indonesia	1		1	DASA
		1		1	ICCR
16	Jeddah	1		1	DASA
17	Kenya		1	1	DASA
		6	2	8	ICCR
18	Kuwait	21	5	26	DASA
19	Mauritious	3	2	5	ICCR
20	Moscow	1		1	MEA
21	Mozambique	5	2	7	ICCR
22	Muscat	4	5	9	DASA
		1		1	MEA (SFC)
23	Myanmar		1	1	MEA (SFC)
24	Nepal	98	4	102	DASA
25	Nizeria	2		2	DASA
			2	2	ICCR
26	Oman	8	3	11	DASA
27	Pakistan		1	1	MEA
28	Qatar	19	6	25	DASA
		4	1	5	ICCR
29	Riyad	8		8	DASA
30	Santiago	2		2	MEA
31	Saudi Arabia	19	4	23	DASA
		1	1	2	SPDC
		1		1	MEA
32	Senegal	1		1	MEA (SFC)
33	Sharjah	2		2	DASA
34	South Africa	1		1	ICCR
35	Srilanka	7	3	10	ICCR
		2	2	4	SPDC
		1	1	2	MEA
		3		3	MEA (SFC)
36	Tanzania	6		6	ICCR
		1		1	DASA
37	Timor	1		1	
38	Thailand	1	1	2	DASA

39	Thashkent	1		1	MEA (SFC)
40	U A E	34	6	40	DASA
		1	1	2	SPDC
41	U.S.A	11	9	20	DASA
		1	1	2	SPDC
42	Uganda	1		1	DASA
43	UK	1		1	DASA
44	Uzbekistan	1		1	ICCR
45	Vietnam	1		1	DASA
		1		1	ICCR
46	Yemen	1		1	ICCR
47	Zambia	1	1	2	ICCR
	Total	**355**	**74**	**429**	

4.4 Total Student Strength in the Institute (2013-2014)

Under Graduate Students	:	3242
Post Graduate Students	:	1496
Ph.D Students	:	364
Total	:	**5102**

4.5 The 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	Dr. USN. Raju
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	Prof. Debashish Dutta
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 hour 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.	Santigo	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 (2013-14)

Scholarships Awarded:

S.No.	Name of the scholarships /stipends	No. of Scholar-ships Awarded	Remarks
1	**Institute Merit Scholarships**	228	₹ 100/-p.a.+ exemption from payment of Tuition fee₹ 35,000/- and a Merit Certificate
ANDHRA PRADESH			
2	***S.C. Scholarships***		
a)	B.Tech P.G.Students :	98 16	Mess charges at the rate ₹ 1200/-PM for U.G and ₹ 820/- for P.G. students, and reimbursement of Tuition Fee for boarders.
b)	B.Tech P.G.Students Ph.D. (Humanities)	7 3 1	₹ 550/- P.M and reimbursement of Tuition Fee for Day Scholars.
3	**S.T. Scholarships**		
a)	B.Tech P.G.Students :	75 5	Mess charges at the rate ₹ 1200/-PM for U.G and ₹ 820/- for PG students, and reimbursement of Tuition Fee for boarders.
b)	B.Tech P.G.Students :	2 1	₹ 550/- PM and reimbursement of Tuition Fee for Day Scholars.
4	**B.C. Scholarships**		
a)	B.Tech P.G.Students :	252 82	Mess charges at the rate ₹ 962/-PM for UG and ₹ 682/- for PG students, and reimbursement of Tuition Fee for boarders
b)	B.Tech P.G.Students :	16 12	₹ 429/- PM and reimbursement of Tuition Fee for Day Scholars.
5	***E.B.C. SCHOLARSHIPS***	-	
a)	B.Tech P.G.Students :	230 65	Reimbursement of Tuition Fee UG and PG Students
6	**P.H. Scholarships**		
a)	B.Tech P.G.Students :	3 1	Mess charges at the rate ₹ 962/-P.M for U.G and ₹ 682/- for P.G. students, and reimbursement of Tuition Fee for boarders.
b)	B.Tech P.G.Students :	2 1	₹ 429/- P.M and reimbursement of Tuition Fee for Day Scholars.
7	**Minority Scholarships**		
a)	B.Tech P.G.Students :	8 2	Mess charges at the rate ₹ 962/-PM for UG and ₹ 682/- for P.G. students, and reimbursement of Tuition Fee for boarders
b)	B.Tech P.G.Students :	2 1	₹ 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 2013-14:

S.NO	Name of the Scholarship / Stipends	No. of Awarded	AMOUNT RECEIVED	DISBURSED AND ADJUSTED AS T/F AMOUNT IN INR
A.	*Other states:*			
1.	Arunachal Pradesh	-	-	-
2.	Bihar	16	746130	746130
3.	Chattisgarh	1	49400	49400
4.	Jharkhand	11	376350	376350
5.	Madhya Pradesh	2	70880	70880
6.	Maharashtra	9	385035	385035
7.	Orissa	-	-	-
8.	Uttar Pradesh	1	40500	40500
9.	Uttarakhand	1	40500	40500
10.	Central Minority	3	124600	124600
11.	West Bengal	1	77200	77200
		(A) Total :	1910595	1910595

B.	*Other Scholarships:*			
12.	IOCL	6	162000	162000
13.	RECPDCL Merit Scholarships	5	120000	120000
14.	Visakhapatnam Steel Plant	3	72000	72000
15.	FAEA	1	43600	43600
16.	Alivelu Manga Sarvaiah Charitable Trust	-	-	-
17.	AIEEE below 2000 Rank	38	5320000	5320000
18.	ONGC	-	-	-
19.	National Handicapped Finance & Development Corporation	-	-	-
20.	ED-CIL (SPDC)	21	6690964	6690964
21.	ED-CIL (MEA)	5	126503	126503
22.	Indian Council for Cultural Relation Foreign Students	122	7128200	7128200
		(B) Total	19663267	19663267
		(A)+ (B) Grand Total:	21573862	21573862

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, 2013-2014

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.

15-08-2013	**INDEPENDENCE DAY SPORTS** Mass run for Health; FRIENDLY MATCHES were held among STUDENTS AND STAFF IN VOLLEYBALL TENNIS AND BALLBADMINTON
6-08-2013	EAA SPORTS for First year students commenced Conditioning, Fitness, Sports, Martial Arts and Yoga classes and Fresher Sports competitions and Recreative sports were organized as a part of the program.
24-25 Sep.2013	Intramural competitions in volleyball, Tennis, games were held.
20-23 Dec. 2013	Intramural competitions in Ball Badminton, Throw Ball and Volleyball for women was organized.

28-08-2013	COAHING CAMPS TO THE BEGINERS IN VOLLEYBALL, TENNIS AND BALL BADMINTON were organised
6-8 Nov. 2013	Selection trials to the Institute teams in Kabaddi, Kho-Kho and Ball Badminton for men was conducted
29-30 Oct. 2013	Fresher Sports was organized in Ball Badminton, Tennis and Volleyball was organized.

TOURNAMENTS ORGANISED

28-29Dec.2013	Srihari Memorial Volleyball Tournament for District Engineering colleges were held and our Institute Volleyball team has won the Championship
3-5 January 2014	All India Inter NIT Sports Tournament in Ball Badminton, Volleyball (M&W) and Throw Ball for women were organized and our Institute was the champions in Ball Badminton (M&W) and Throw Ball (W) and Volleyball men were the Runner up.

EXTRAMURAL COMPETITIONS

7-12 Oct. 2013	Central Zone Inter University Tournaments held at KIIT Bhubaneshwar, our Institute Tennis Badminton, Basketball for men took part. Our Institute Tennis team qualified for All India Inter University Tournament will be held at University of Calcutta from 15-19 Feb.2014.
9-12 Jan. 2014	All India Inter NIT Football, Table Tennis and Kho-Kho Tournament held at Suratkal, Our Institute Kho-Kho team Runner Up.
9-12 Feb. 2014	All India Inter NIT Athletics, Badminton, Cricket, Kabaddi, Tennis, Weight lifting and Best Physique held at NIT Trichy. Our Institute Mr. Kulu 2/4 chemical student secured first place in weight lifting and Mr. Rohit Kumar 2/4 student secured first place in Best Physique
27-29 March 2014	All India Inter NIT Swimming and Hockey tournament was held at Rourkela. Mr. Neel 2/4 E.E.E. dept. secured first place in breast stroke.

Our Institute teams in Kabaddi, Cricket, Badminton, Kho-Kho, and Volleyball took part in the Central Zone Inter University Tournaments at Kakatiya University, Utkal University Bhubaneshwar, LNUPE Gwalior respectively.

INTRAMURAL COMPETITIONS:

We have organized Intramural sports and games branch wise in Athletics, Ball Badminton, Badminton, Basket Ball, Carrom, Chess, Cricket, Foot Ball, Kabaddi, Kho-Kho, Swimming, Tennis, Table Tennis, Volley Ball, weight lifting and Best Physique which has given scope for most of the students to take part in these competitions in a festive manner.

Mr.Anup Limbu, B.Tech. Final year, C.S.E. Department adjudged as Best Outgoing Sportsman for the year 2013-14

7-03-2014 Annual Sports Day was held at our campus Chief Guest of today's function Sri.L.K.V.Ranga Rao, I.P.S. Superintendent of Police, Warangal. Prof. T.Srinivasa Rao Director NITW was presided over the function.

INFRASTRUCTURE DEVELOPMENT:

Flood lights to the Badminton Courts at Indoor Games Complex.
Flood Lights to the Football ground at hostels were under progress.
Ashphalt and Cement Tennis courts were laid.
Synthetic Tennis Court is under progress.
Swimming Pool was approved in principle by the Board of Governors
And the estimates to be prepared by the CPWD for approval.

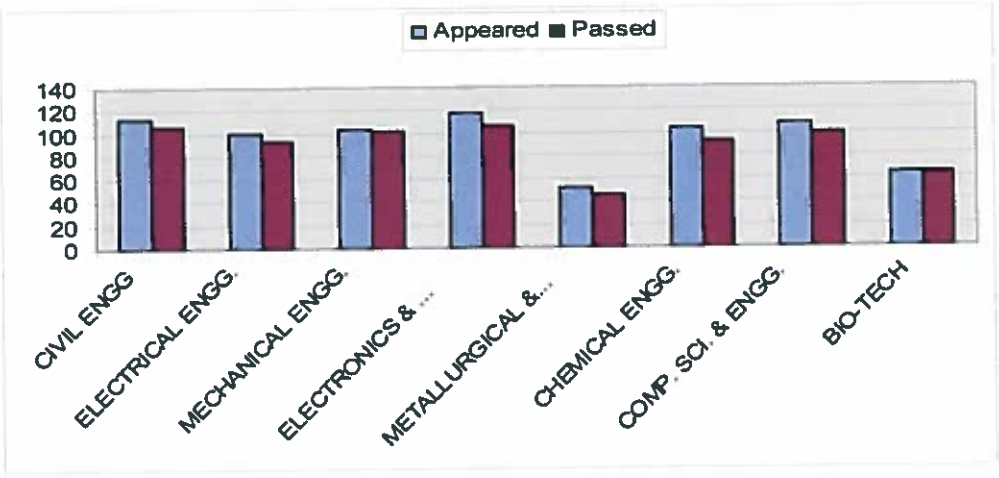
EQUIPMENT PROCURED:

Fitness equipment of Rs. 4.67 Lakhs procured and placed at Girls Hostel
Fitness equipment of Rs. 8.92 Lakhs were procured & placed at Boys Hostel.

4.8. Examination Details

Examination Results for the B. Tech (Regular) from 01.07.2013 to 30.06.2014

S.NO.	BRANCH	NO. OF STUDENTS APPEARED	PASSED IN FIRST DIV. WITH DISTN.	FIRST DIVISION	SECOND DIVISION	TOTAL	% of Pass
1	CIVIL ENGINEERING	113	32	51	24	107	94.69
2	ELECTRICAL & ELECTRONICS ENGINEERING	101	33	49	12	94	93.07
3	MECHANICAL ENGINEERING	103	32	50	20	102	99.03
4	ELECTRONICS & COMMUNICATION ENGINEERING	118	35	54	17	106	89.83
5	METALLURGICAL & MATERIALS ENGINEERING	52	13	30	03	46	88.46
6	CHEMICAL ENGINEERING	103	31	42	19	92	89.32
7	COMPUTER SCIENCE & ENGINEERING	108	35	51	14	100	92.59
8	BIO-TECHNOLOGY	65	21	30	14	65	100.00



Top ranks in each of the branches B. Tech (Regular) from 01.07.2013 to 30.06.2014

Sl.No.	Branch	Roll No.	Name of the Student
1.	Electronics & Comm. Engg.	104218	Mr. Gadewar Vishal Laxmanrao
2.	Civil Engineering	101255	Ms. V. Srihita
3.	Electrical & Electronics Engg.	102122	Mr. Jasti Sai Teja
4.	Mechanical Engineering	103138	Mr. Pawar Pratik Manohar
5.	Electronics & Communication Engg.	104218	Mr. Gadewar Vishal Laxmanrao
6.	Metallurgical & Materials Engg.	105124	Ms. K. Sarada Devi
7.	Chemical Engineering	106206	Ms. Atluri Sri Dithya
8.	Computer Science & Engg.	107112	Ms. Ch. Ashwini
9.	Bio Technology	108120	Ms. Gadamsetty Sowmya

Examination Results for PG Courses 1.07.2013 to 30.06.2014

S.NO.	BRANCH	NO. OF STUDENTS APPEARED	PASSED	% OF PASS
	CIVIL ENGINEERING			
1	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	23	19	82.61
2	ENGG. STRUCTURES	38	34	89.47
3	ENVIRONMENTAL ENGINEERING	20	17	85.00
4	GEOTECHNICAL ENGG.	20	16	80.00
5	REMOTE SENSING AND GEOGRAPHICAL INFORMATON SYSTEM	09	08	88.89
6	TRANSPORTATION ENGG.	44	41	93.18
7	WATER RESOURCES ENGINEERING	19	18	94.74
	ELECTRICAL ENGINEERING			
1	POWER ELECTRONIS AND DRIVES	34	27	79.41
2	POWER SYSTEMS ENGINEERING	39	36	93.31
	MECHANICAL ENGINEERING			
1	AUTOMOBILE ENGG.	22	20	90.91
2	COMPUTER INTEGRATED MANUFACTURING	19	18	94.74
3	MANUFACTURING ENGG.	22	21	95.45
4	PRODUCT DESIGN AND DEVELOPMENT	21	21	100.00
5	THERMAL ENGG.	19	17	89.47
	ELECTRONICS & COMUNICATION ENGINEERING			
1	ADVANCED COMMUNICATION SYSTEMS	26	24	92.31
2	ELECTRONICS INSTRUMENTATION	18	18	100.00
3	VLSI DESIGN	26	25	96.15
	METALLURGICAL & MATERIALS ENGINEERING			
1	INDUSTRIAL METALLURGY	14	14	100.00
2	MATERIALS TECHNOLOGY	19	19	100.00
	CHEMICAL ENGINEERING			
1	COMPUTER AIDED PROCESS AND EQUIPMENT DESIGN	17	16	94.12
	COMPUTER SCIENCE & ENGINEERING			
1	COMPUTER SCIENCE & ENGINEERING	24	22	91.67
2	INFORMATION SECURITY	24	21	87.50
	M.Sc. CHEMISTRY			
1	DYES, DRUGS PHARMACEUTICALS AND PESTICIDES	23	21	91.30
2	MODERN METHODS OF CHEMICAL ANALYSIS	24	21	87.50
	M.Sc. MATHEMATICS			
1	APPLIED MATHEMATICS	17	16	94.12
2	MATHEMATICS & SCIENTIFIC COMPUTING	08	07	87.50
	M.Sc.(TECH) ENGINEERING PHYSICS			
1	PHOTONICS	10	10	100.00
2	ELECTRONICS	04	04	100.00
	MASTER OF BUSINESS ADMINISTRATION			
1	M.B.A	55	51	92.73
	MASTER OF COMPUTER APPLICATIONS			
1	M.C.A.	47	47	100.00

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.	Mohd. Ali	P. Anand Raj	Part time	---	Performance evaluation of Flexible Pavement laid over stabilized sandy subgrade
2.	M. Heeralal	P. Rathish Kumar	Part time	---	Studies on the Performance behaviour of Fibrous Recycled aggregate Concrete for Rigid pavements.

B. Working

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1.	M. Sudhakar	D. Rama Seshu	Part Time	---	Fibre Reinforced Concrete
2	K.Ramani	N.V.Umamahesh	Part Time	---	Optimal Design of Water Distribution Network in an Intermittent System
3	K.Leela Krishan	N.V. Umamahesh	Part time	---	Optimal Operation of Multi-Reservoir System
4	G.Rajamouli	N.V. Umamahesh	Part time	---	Planning and Operation of an Irrigation System under water deficit conditions
5.	Y. Naveen Reddy Pothula	N.V. Umamahesh	Full Time	Institute	Impact of Climate Change on Pennar Basin
6.	Mr. Anoop. C.K.	E.Venkata Rathnam	Full Time	CWRDM, Kozikhode, Kerala	Isotope composition for studying the Lake and groundwater interaction.
7.	Mr. Ruben.N	E.Venkata Rathnam	Full Time	Institute	Hydraulic Transients in Pump-pipeline systems
8.	V. Sai Kumar	P.Hari Prasad Reddy	Part-time	---	Evaluation and Control of Engineering Properties of Soils Interacted with Chemical Pollutants
9	Y. Navatha	K. Venkata Reddy and Deva Pratap	Part Time	---	Development of 3D spatial systems for planning of infra structure facilities in rural areas using remote sensing & GIS
10.	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
11.	Syed Mubashir Hussain	Dr. Venkaiah Chowdary	Full-time	Institute	Rutting in asphalt mixtures
12	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)
13.	P.V. Koteswara Rao	Dr. P. Hari Krishna	Full Time	Institute	Soil Structure Interaction of building & pile foundation
14	Y. Sudheer Kumar	P. Hari Krishna	Full-time	MHRD	Effect of municipal solid waste leachete on the behaviour of soils in Warangal
15	D. Uday Chander	Prof. C.S.R.K. Prasad	Part-time	---	Integration of Master Transportation Systems in Urban Areas
16	P. Sarathchandra	Prof. C.S.R.K. Prasad	Part-time	---	Optimal Modal Share for Public Transportation in Urban Areas
17	V. Mahalakshmi Naidu	Prof. C.S.R.K. Prasad	Part-time	---	Development of Trip Generation Models

18	M. Anil Kumar	Prof. C.S.R.K. Prasad	Full time	Institute fellowship	Development of GIS based Urban Transportation System
19	K. Mahaboob Peera	Prof. C.S.R.K. Prasad	Full time	Institute fellowship	Traffic Accident Prediction Models for a city
20	Syed Mubashir Hussain	Dr. Venkaiah Chowdary	Full time	Institute fellowship	Permanent deformation in asphalt mixtures
21	Utsav Vishal	Dr. Venkaiah Chowdary	Full time	Institute fellowship	Moisture induced damage in asphalt mixtures
22	D. Abhigna	Dr. K.V.R. Ravi Shankar	Full time	Institute fellowship	Capacity analysis in mixed traffic conditions
23	D. Harinder	Dr. S. Shankar	Full time	Institute fellowship	Use of geosynthetics in pavements construction
24	K. Praveen	S. Venkateswara Rao	Full time	Institute fellowship	--
25	K.L. Radhika	Dr. 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)
26	M. Sri Rama Chand	Dr. P. Rathish Kumar	Full time	Institute	A study on the strength and durability aspects of Self Curing Self Compacting Concrete
27	S. Rakesh	Dr. P. Rathish Kumar	Full time	Institute	Studies on Basalt Fiber based concretes
28	P. Naga Sowjanya	Dr. K. Venkata Reddy Dr. M. Shashi	Full time	Institute	Climate change impacts on Water Resources of River basins using integrated frame work climate change models with hydrologic models
29	Jew Das	Dr. N.V. Umamahesh	Full Time	Institute	Impact of Climate Change on Godavari River Basin

ELECTRICAL ENGINEERING DEPARTMENT

A. Completed

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	S V N L Lalitha	Prof.M Sydulu	Part-time	---	Effective transmission pricing schemes in deregulated environment using direct and bio-inspired techniques
2	K Ravi Kumar	Prof.M Sydulu	Part-time	---	Novel PSO based algorithms for Optimal Power Flow Studies with judicious location of FACTS Devices
3	J. Vijaya Kumar	Prof.D M Vinod Kumar	Fulltime	Institute	Optimal Bidding Strategies in a Double Auction Electricity Market using Hybrid and Varying Population based Metaheuristic Techniques
4	Ch Venkaiah	Prof.D M Vinod Kumar	Part-time	---	Real-Time Available Transfer Capability Computation and Congestion Management using Intelligent Techniques in deregulated Power Markets
5	S Porapandiselvi	Prof. N Vishwanathan	Part-time	---	Dual frequency Inverters for Induction Hardening
6	D. Harikrishna	Dr. N V Srikanth	Fulltime	Institute	Enhancement of Dynamic and Transient Stability of Power systems using Fuzzy and ANN controlled FACTS.

7	T. Vinay Kumar	Dr. S Srinivasa Rao	Full Time	Institute	Reduction of Torque and Flux Ripple in direct torque controlled induction motor drive
8	M Murali	Dr.M Sailaja Kumari	Full Time	Institute	Transmission Pricing in Pool and Transaction based Power Markets using Game theory and Heuristic Techniques

B. Working

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	Y Chandra Sekhar	Prof. M Sydulu, Dr. M Sailaja Kumari	Part-time	---	Distribution generation and Optimization techniques in power systems
2	B Nagu	Prof. M Sydulu	Part-time	---	Power System stability & HVDC controls and AI Techniques
3	Ms Kayalvizhi	Prof. D M Vinod Kumar	Fulltime	Institute	Micro grid Planning and Management
4	O V S R Varaprasad	Prof. D V S S Siva Sarma	Fulltime	Institute	Advanced Techniques In Power System Harmonics Analysis & Mitigation
5	G Sunil Kumar	Prof. D V S S Siva Sarma	Part-time	---	Modelling of harmonic loads
6	B R K Verma	Prof. D V S S Siva Sarma	Part-time	---	Protection of Teed circuit transmission lines
7	N Rama Devi	Prof. D V S S Siva Sarma	Part-time	---	Fault diagnosis of Rotating machines
8	D Sudha Rani	Prof. N Subrahmanyam	Fulltime	Institute	Distribution Systems
9	T Praveen Kumar	Prof. N Subrahmanyam	Fulltime	Institute	Integration Issues of Distributed Generation
10	R A Deshpandey	Prof. N Subrahmanyam	Part-time	---	-
11	P. Sharat Kumar	Prof. N Vishwanathan	Part-time	---	Inverters for Multi-load Induction Cooking
12	Vijay Bhaskar	Prof. N Vishwanathan Prof. B K Murthy	Part-time	---	Inverters and Control Techniques for Single Capacitor Multi load Induction Systems
13	R.S. Dekekhar	Dr. N V Srikanth	Full time	No	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	Institute	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	Institute	Minimization of power loss, Voltage deviation and Enhancement of power flows with Optimal placement and sizing of UPFC
16	M. Vishnu Prasad	Dr. S Srinivasa Rao	Full time	Institute	Induction Motor Drives
17	B. Anil Kumar	Dr. S Srinivasa Rao	Full time	Institute	Power Converters
18	D Rakesh Chandra	Dr. M Sailaja Kumari, Prof. M Sydulu	Fulltime	Institute	Wind Forecasting issues in Power systems
19	Durga Hari Kiran B	Dr. M Sailaja Kumari	Fulltime	Institute	Ancilary Service Management in Restructured Power Systems
20	N Venkata Phanendra Babu	Dr. P Suresh babu Prof.D.V.S.S Siva Sarma	Fulltime	Institute	Under Course Work
21	Ramsha K.	Dr. Sachin Jain & Prof. V T Somasekhar	Fulltime	Institute	Study and applications of OEWIM Drive

22	Ch. Ramulu	Dr.Sachin Jain	Part-time	---	PV based Multi-level inverter fed IM drive
23	S Venu	Dr.Sachin Jain	Fulltime	Institute	Grid tied inverters with Solar PV
24	Meka Kalyan Chakravarthi	Dr. A V Giridhar, Prof. D V S S Siva Sarma	Fulltime	Institute	Under Course Work
25	Vijay Babu K	Dr. Narasimharaju B L Prof. D M Vinod Kumar	Fulltime	Institute	Renewable Energy Integration issues in Distributed Generation System (Tentative)
26	U Ramanjeneya Reddy	Dr. Narasimharaju B L	Fulltime	Institute	Under Course Work
27	P Srinivasan	Dr. Narasimharaju B L Dr. N V Srikanth	Part-time	---	Multilevel Inverters fed Open end Winding Induction Motor (Tentative)

MECHANICAL ENGINEERING DEPARTMENT

A. Completed

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	B V Sudheer	Dr C S P Rao	Full Time	Project	Useful Life Estimation of Machine Tools
2	P S C Bose	Dr C S P Rao	Part Time	NIL	Machinability Tests on High Temperature Alloys
3	Vinay	Dr P Ravikumar	Full Time	Institute	Experimental studies on a biodiesel fuelled diesel engine using thermal barrier coatings.
4	Satyanarayana	Dr Venu	Full Time	Institute	Experimental studies on the machinability characteristics:Modeling, Simulation,analysis and optimization of Turning Ti 6Al 4V
5	Puli Dhanaiah	Dr P Ravikumar	Full Time	Institute	Experimental studies on the effect of oxygenated additives on performance of spark ignition engine
6	Hymavathi	Dr C S P Rao	Full Time	Institute	Development of evolutionary algorithms for solving mono and multi objective job shop scheduling problems.
7	Gangisetti Srinivas	Dr R N Rao	Full Time	Institute	Experimental Investigation and modeling of mechanical and tribological properties of titanium alloy(Ti-lov-4.5,Fe-3 Al
8	Satyanarayana Raju	Dr C S P Rao	Part Time	NIL	Experimental investigations and Development of predictive models for cutting forces and surface finish in Machining Titanium alloys with Rotary Milling cutters
9	L Venugopal	N Selvaraj/Dr M J Davidson	Full Time	Institute	Tube end forming studies on AA 2014 tubes

B. Working

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	K. Kishore Kumar	Prof. P Bangaru Babu	Part Time	NIL	Vibration control of structures using Layer damping
2	Ashok Kumar Kaushik	Prof. P Bangaru Babu	Part Time	NIL	Active vibration control of beams and plates using piezo.patches.
3	S. Srinivas	Prof. N Selva Raj	Part Time	NIL	SCM techniques for planning & replenishment

4	T. Sadasiva Rao	Dr. A Kumar	Part Time	NIL	Modeling and optimization of face milling Inconel-718.
5	G. Ravindra Gardas	Prof. P Bangaru Babu	Part Time	NIL	Instability in rotor bearing system due to internal damping and external damping
6	Sudheer Kumar Mishra	Prof. CSP Rao	Part Time	NIL	Scheduling
7	T. Lokeswara Rao	Prof. N Selva Raj	Full Time	Institute	Optimization process parameters in Wire-EDM.
8	T. Mallikarjuna Rao	Prof. S Srinivasa Rao	Part Time	NIL	Heat pipe applications
9	V Jeevan	Prof. CSP Rao	Full Time	Institute	Evaluation mechanical and wear characteristics of Al MMCs
10	A. Varun	Dr. N Venkaiah	Full Time	Institute	Studies on Machining errors
11	Nilesh Gajarlawar	Prof. G Amba Prasad Rao	Part Time	Institute	Studies on effective soot reduction from modern automotive diesel engines with in-cylinder and after treatment.
12	Q. Syed Azeem Pasha	Prof. P Ravi Kumar	Part Time	Institute	Performance evaluation of CI engine with Hythane
13	Md. Ahasan	Dr. MJ Davidson	Full Time	Institute	Metal forming
14	Ch. Shashikant	Dr. MJ Davidson	Full Time	Self Studies	Metal forming
15	Ashok J. Keche	Prof. G Amba Prasad Rao	Part Time	NIL	Experimental,modeling and simulation studies on downdraft biomass gasifier
16	G. Suresh	Dr. V Vasu	Part Time	NIL	Polymer nanocomposites
17	U. Koteswara Rao	Prof. P Bangaru Babu	Part Time	NIL	Smart Structures
18	Ch. Neelima Devi	Prof. N Selva Raj	Part Time	NIL	Metal matrix composites
19	Abhijeet Prakash Shah	Prof. C Guru Raja Rao	QIP	NIL	Conjugate mixed convection with surface radiation from a vertical channel with multiple, non-identical, flush-mounted discrete heat sources in the left wall.
20	Y. Murali Krishna	Prof. C Guru Raja Rao	Full Time	Institute	Conjugate mixed convection with surface radiation from a vertical plate with multiple, non-identical, flush-mounted discrete heat sources.
21	M. Maruti Bhagawan	Prof. P Bangaru Babu	Part Time	NIL	Investigation of CLF for beam stucture rpes of joints. with different ty
22	R. Bhanu Pawan	Prof.A.Venu Gopal	Part Time	NIL	Studies on performance of Graphine - inpregnated grinding wheels.
23	A.R. Babu	Prof. G Amba Prasad Rao	Part Time	NIL	Emission control strategies for IC Engines.
24	Ch. Harikrishna	Dr. MJ Davidson	Part Time	NIL	Metal forming
25	Vijay Shivaji Gadakh	Dr. A Kumar	Part Time	NIL	Process window, analytical modeling & validation of FSW process using different tool pin profiles.
26	A. Manmadhachary	Dr. Y Ravi Kumar	Full Time	Institute	Studies on Rapid prototyping
27	R. Sindhu	Prof. G Amba Prasad Rao	Full Time	Institute	Real time modeling of diesel engine processes.
28	T Karthikeya Sharma	Prof. G Amba Prasad Rao	Full Time	Institute	Studies on HCCI engine

29	N. Bhanodaya Kiran Babu	Prof. A Neelakanteswara Rao	Full Time	Institute	Formability studies on Tailor welded aluminium blanks
30	K. Murahari	Dr. A Kumar	Full Time	Institute	Electrical Dischrge Machining of Ttanium alloy
31	S. Sudhakar Babu	Prof. AV Narasimha Rao	Full Time	Institute	Conjugate mixed convection with surface radiation from a vertical channel with multiple asymmetrically mounted discrete heat sources.
32	A.C. Uma Maheswara Rao	Prof. KV Sai Srinath	Full Time	Institute	Corrosion behavior of 7075 Al alloy and its MMCs
33	V. Ramakrishna	Prof. P Bangaru Babu	Part Time	NIL	Prediction and validation of the non cavitating marine propeller induced noise.
34	Katikani Kishore Kumar	Prof. A Venu Gopal	Part Time	NIL	Design and analysis of special purpose cutter for machining of solid propellant grain.
35	J.V. Satyaanarayana Moorty	Prof. G Amba Prasad Rao	Part Time	NIL	Performance optimization studies on SCRAMJET combustor.
36	T Nagaveni	Prof. CSP Rao	QIP	NIL	Processing of Si_3 N_4 based ceramic composites.
37	N Ch. Kaushik	Dr. R Narasimha Rao	Full Time	Institute	Modeling of tribological behavior of aluminum metal matrix composites
38	N Vishnu Murty	Prof. CSP Rao	Full Time	Institute	Mechanical and tribological studies of Al nano MMCs produced by Ultrasonic cavitation method
39	Kandi Kishore Kumar	Prof. CSP Rao	Full Time	Institute	Gel Casting of ceramics
40	M Srinivasa Rao	Dr. N Venkaiah	Full Time	Institute	Machining of Nickel based alloys using WEDM.
41	M Sandeep Kr Venugopal	Dr. V Vasu	Full Time	Institute	Characterization and performance of eco-friendly coolants in sustainable machining of Inconel 718.
42	J. Krishna Moorthy	Prof. P Bangaru Babu	Part Time	NIL	Development and experimental validation of precise modeling practices for electronic packages of air borne vehicles in random vibration perspective.
43	P. Anil Kumar	Prof. P Bangaru Babu	Part Time	NIL	Design, development and experimental characterization of metallic spring isolators for electronic packages.
44	Daselgn Wogaso Wolla	Dr. MJ Davidson	ICCR	NIL	Metal forming of P/m performs.
45	Dagne Birhanu Mamo	Prof. L Krishnanand	ICCR	NIL	Evaluation of Supply chain measures: A case study
46	P Naresh	Dr. A Kumar	Full Time	Institute	Fabrication and characterization of Al alloy based nano hybrid surface composite materials via friction stir processing.
47	N Siva Kumar	Dr. V Vasu	Full Time	Institute	Tribological and Mechanical behavior of Al2 O3 and Molybdenum Di-Sulphide(MoS2) reinforced ZA-27 alloy nanocomposites
48	G Prabhakara Rao	Prof. S Srinivasa Rao	Full Time	Institute	Experimental and computational studies on HCCI engine.

49	B Ramesh Babu	Dr. K Kiran Kumar	Full Time	Institute	Refrigeration and air-conditioning studies on nanofluids.
50	V Srinivasa Rohit	Dr. A Kumar	Full Time	Institute	Machining studies
51	M Krishna Kishore	Dr. A Kumar	Full Time	Institute	Thermo-mechanical modeling of friction stir welding of aluminum alloys.sis.
52	G Sangamesh	Dr. V Hari Kumar	Full Time	Institute	Geometric modeling for isogemetric analysis
53	Jaiteerth R Joshi	Dr. A Kumar	DRDO	NIL	Dissimilar welding of ultrahigh strength steels:18% Ni Maraging steel and SAE 4130 steel.
54	Puneet Chandran	Prof. A Venu Gopal	ARCI	NIL	Thin films for difficult to machine materials.
55	J.A. Ranga Babu	Dr. K Kiran Kumar	Full Time	Institute	Studies on nanofluids based thermal systems.
56	K Ganesh Babu	Dr. A Veeresh Babu	Full Time	Institute	Performance improvement of diesel engines by using biofuels with EGR and additives.I
57	K Vijaya Kumar	Prof. P Ravi Kumar	Full Time	Institute	Performance and emission characteristics of lean combustion engines with oxygenated blends in CI engine.
58	M Vijaya Kumar	Dr. A Veeresh Babu	Full Time	Institute	Performance improvement of biofulled engine with catalytic converter and additives and
59	V Venkateswarlu	Dr. G Naga Srinivasulu	Full Time	Institute	Modeling and simulation studies on PEM Fuel Cell for portable electronic applications.
60	G Venkatesh	Dr. Y Ravi Kumar	Full Time	Institute	Rapid Prototying
61	Kiran Kumar Dama	Dr. V Suresh Babu	Full Time	Institute	Sustainable design and crashworthiness assessment of a future light duty vehicles through downsizing by CAE techniques.
62	K Viswanath Allamraju	Dr. Srikant Korla	Full Time	Institute	Structural Health monitoring
63	T Gopala Rao	Dr. P Subhash Chandra Bose	Full Time	Institute	Machining of hard to cut materials using self-propelled rotary tools.
64	Arijit Paul	Dr. R Narasimha Rao	RCI	NIL	Analysis of machined spring
65	S Muthu Kumar	Dr. P Subhash Chandra Bose	DRDO	NIL	Reliability based design evaluation and optimization of aerospace structures.

ELECTRONICS AND COMMUNIOCATION ENGINEERING DEPARTMENT

A. Completed

S. No.	Scholars	Guide(s)	Fulltime / Parttime	Fellowship	Thesis Title
1.	VenuMadhav.T	Prof.N.V.S.N. Sarma	Full Time	MHRD	Some Investigations on Energy Efficient Routing Issues in Homogeneous & Heterogeneous Wireless Sensor Networks
2.	Sri. K.V.Sridhar	Prof. K.S.R Krishna Prasad	Part Time	NIL	Tele medicine for primary health care through lossless ECG Data Reduction
3.	Sri. Ravi Kumar. J	Dr.T. Kishore Kumar	Part Time	NIL	Investigation of different Kalman Filtering Techniques for Target Tracking

B. Working

S. No.	Scholars	Guide(s)	Fulltime / Parttime	Fellowship	Thesis Title
1.	Shravan Kumar Bandari	Dr. V.V.Mani	Full Time	MHRD	Spectrum sensing of cognitive radio
2.	P.Rakesh	Dr. T.Kishore Kumar	Full Time	MHRD	Speech enhancement using Adaptive beam forming
3.	Sandeep Kumar Vangala	Dr.S.Anuradha	Full Time	MHRD	Multicarrier communication
4.	Suman Nelaturi	Prof.N.V.S.N. Sarma	Full Time	MHRD	Fractal antenna arrays
5.	Rahul Singha	Dr.D.Vakula	Full Time	MHRD	Ultra wide band antennas
6.	B.V.N.S.M. Nagesh Deevi	Dr.N. Bheema Rao	Full Time	MHRD	On-chip inductance for RF applications
7.	Sudha Ellison Mathe	Dr.B.Lakshmi	Full Time	MHRD	VLSI Architectures
8.	Arun kumar	Dr. L.Anjaneyulu	Part Time	RCI, DRDO	Underwater Fiber Optic Instrumentation
9.	V.Revathi	Prof.N.V.S.N. Sarma	Part Time	RCI, DRDO	Microwave Receivers
10.	Vasanth Rayudu	Prof. K.S.R Krishna Prasad	Part Time	RCI, DRDO	VLSI (Testing and Testability)
11.	M.Ranjeeth	Dr.S.Anuradha	Full Time	MHRD	Multi band Spectrum Sensing of cognitive radio
12.	D.Kiran	Dr. L.Anjaneyulu	Full Time	MHRD	SAR Radar signal processing
13.	Lakkaraju S.K. Chaitanya	Dr.C.B.Rama Rao	Full Time	MHRD	Adaptive signal processing

CHEMICAL ENGINEERING DEPARTMENT

A. Completed

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	Mr. Ch. Ramesh	Dr. R. C. Sastry	Full time	Institute	Optimization of process parameters for the synthesis of Itaconic acid using Ustilago maydis
2	Mr. S. Srinu Naik	Y. Pydi Setty	Part-Time	---	Optimization of parameters for biological denitrification of wastewater in a gas-liquid-solid bioreactor
3	Mr. R. Naveen Kumar	Dr. A. Venu Vinod	Full time	Institute	Studies on Biodegradation of Phenolic Wastewater in a Bubble Column Bioreactor

B. Working

S. No.	Scholars	Guide(s)	Fulltime / Part time	Fellowship	Thesis Title
1	Mr. A. Sarath Babu	Dr. G. Venkat Reddy	Part-Time	--	Modeling and Optimization of Ammonia Converter
2	Mr. K. Anand Kishore	Dr. G. Venkat Reddy	Part-Time	--	Optimization of process parameters for batch fermentation of citric acid
3	Mr. S.Srinath	Dr. G.Venkat Reddy	Part-Time	---	Combustion Of Different Agrofuels In A Fluidized Bed : Experimental And Simulation Studies
4	Mr. B Anjireddy	Dr. R.C. Sastry	Full time	Institute	Biomass Gasification in down draft gasifier
5	Mr.B.Sreedhara Rao	Dr. R.C.Sastry	Part time	---	Heat Transfer studies in corrugated plate heat exchangers
6	Mr Vijay Kumar	Dr. R.C.Sastry	Full time	Institute	Heat transfer studies of Nano fluids in plate heat exchangers
7	Mr. K H V Prasad	Dr. R.C.Sastry	Part time	---	Safety aspects of Runaway reactions
8	Mrs. K. Srivani	Y. Pydi Setty	Part-Time	---	Nutritional and environmental parameter studies on the production of xylitol from D-xylose by *Candida parapsilosis-NCIM-3323*
9	Mr. G Srinivas	Y. Pydi Setty	Full Time (Synopsis submitted)	Institute	Drying of solids in batch and continuous fluidized beds (Synopsis submitted) Nitrification of Ammonical Wastewater
10	Mrs. PBNL Devi	Y. Pydi Setty	Full Time	Institute	Biological nitrification of wastewater
11	Mr. T.Srinivas	Dr.A. Venu Vinod	Full time	Institute	Heat Transfer Studies using Nanofluids
12	Mr..B.Sujan Kumar	Dr.A. Venu Vinod	Full time	Institute	Characteristics of Spout-Fluid Beds
13	Mr Suresh Kumar Mudunari	Dr Shirish Sonawane	Full Time	Institute	Nanoparticle applications
14	Mrs. Shabana Shaik	Dr Shirish Sonawane	Full Time	ISRO	Nanoparticle Dispersions
15	Ms. P.Dorca R.J. Chandrika	Dr. T. Sunil Kumar	Full Time	Institute	Heat transfer in granular materials
16	Mr. Ritesh Ramesh Palkar	Vidyasagar Shilapuram P.V.Suresh	Fulltime	Institute	Studies on liquid-solid circulating fluidized beds

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

A. Completed

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	Nagaraj Dharwadkar	Prof. B. B. Amberker	Sponsered	---	A Study on Digital Image Steganography and watermarking Schemes
2	Sagar Gujjunoori	Prof. B. B. Amberker	Full time	Institute	Towards Reversible Data Embedding for Digital Video using DCT
3	Mohammad Ali Kadampur	Prof. DVLN Somayajulu	Part Time	---	A Non-Interactive Fremwork for Privacy Preserving Data Mining
4	B. R. Purushothama	Prof. B. B. Amberker	Part Time 2014	ISEAP Fellowship	Cryptographic Solutions to Security Issue in Key Management and Cloud Computing
5	A Suresh Rao	Dr. R.B.V. Subramanyam & Prof. D.V.L.N. Somayajulu	Part Time	---	Some studies on Sequential Pattern Mining over Progressive Databases

B. Working

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	Syed Taqi Ali	Prof. B. B. Amberker	Full Time submitted	Institute	Attribute Based Group Signature Schemes with Attribute Anonymity and Constant Size Signature
2	SomarajuSuvvari	Dr. R.B.V. Subramanyam	Full Time	Institute	Data Mining Algorithms for Certain In-Depth Analysis on Frequent Patterns in Large Databases
3	Nagesh Bhattu Sristi	Prof. D.V.L.N. Somayajulu	Full Time	Institute	A study of weakly supervised learning algorithm for sentimental analysis
4	Srilatha Chebrolu	Prof S. G. Sanjeevi	Full Time	TCS Research Scholar Program, Hyderabad	Attribute Reduction in Decision-Theoretic Rough Set Models
5	Ramesh Karnati	Dr. R.B.V. Subramanyam	Full Time	TCS Research Scholar Program, Hyderabad	Sequential Pattern Mining and it's Applications
6	T Ramakrishnudu	Dr. R.B.V. Subramanyam	Internal	---	Positive and Negative Association Rules
7	RamachandranayakYadawad	Dr. R.B.V. Subramanyam	Part TIme	---	Distributed Data Mining
8	Mrs FathimabiShaik	Dr. R.B.V. Subramanyam	Full Time	Institute	Graph Mining using Big Data Techniques
9	P Anil	Dr. R. Padmavathy	Full Time	Institute	Reversible Image Watermarking
10	SandipanMaiti	Dr. R.B.V. Subramanyam	Full Time	Institute	Mining large Graph Databases
11	P. LalithaKumari	Prof S. G. Sanjeevi	Full Time	Institute	Big Data Analytics
12	M. Sai Krishna	Dr. R.R. Rout	Full Time	Institute	Energy efficiency in Wireless sensor networks
13	SudharshanChakravarthy	Dr. Ch. Sudhakar	Full Time	Institute	Resource allocation strategies in Cloud Computing
14	LavanyaMadhuriBollipo	Dr. K.V. Kadambari	Full Time	Institute	Inter spike intervals pattern Recognition

DEPARTMENT OF METALLURGICAL AND MATERIALS ENGINEERING

A. Completed - Nil

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 Kuma	Dr. Asit Kumar Khanra	Full-time	previously DRDO, CSIR projects and now institute fellowship from march, 2014 onwards	Synthesis and sintering of ZrB_2 based composites
3	Mr. R. Govinda Rao	Dr. P. Surya Prakash Rao	Part-time	---	Development and characterization of Aluminium based Metal Matrix Composites
4	Mr. P. Rambabu	Dr. M. K. Mohan	Part-time	---	Forging Technologies for fabrication of Aluminium Alloy AA2014 Airframe section
5	Mr. Vibhuti Roshan	Dr. G. V. S. Nageswara Rao	Part-time	---	Utilization of ultra fine iron ore in sintering through Hybrid Pellet Sintering process.
6	Mr. V. Rangadhara Chary	Dr. T. Srinivasa Rao & Dr. B.S. Murty	Part-time	---	Synthesis and characterization of Aluminium based nanocomposites
7	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
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
9	Ms. V.Sony priya	Dr.N. Narasaiah	Full-time	Institute	Effect of titanium on mechanical behaviour of 11-10 ph precipitation hardened steel
10	Mr. Hanuma Reddy Tiyyagura	Prof. M. K. Mohan	Full-time	Institute	Corrosion Fatigue and Cracking Behaviour of modified 9Cr-1Mo steel
11	Ms. Suman Kumari	Prof. M. K. Mohan	Full-time	Institute	Surface modification of titanium and titanium alloys for biomedical applications
12	Ms. Pakki Tejassvi	Dr. Tata N. Rao and Prof. M.K. Mohan	Part-time	---	Fabrication of electrospunnanofibers for lithium ion battery application
13	Mr. Menuga Ananda Rao	Dr. N. Narasaiah	Part-time	---	Failure analysis of power plant components
14	Ms. Papiya Biswas	Prof. M. K. Mohan	Part-time	---	Fabrication of complex shapes of transparent magnesium aluminate spinel by different routes and comparative evaluation of their physio-chemical, thermo-mechanical and optical properties.

DEPARTMENT OF PHYSICS

A. Completed

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	Ms. Ch. Sujatha	Dr. K.V.G.Reddy, Prof. A.R.C.Reddy	Full time	Institute Fellowship	Study on structural and electromagnetic properties of Mg substituted NiCuZn nanoferrites.

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 anocomposites
10	S.Rajkumar	Dr.P.Abdul Azeem	Full-time	DST Project	Synthesis and characterization of phosphate and silicate based bio active glasses and ceramics for medical applications
11	M.Venkati 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
13	Hari Krishna	Dr. Sourabh Roy	Full time	Institute Fellowship	Photonics
14	Mohan Babu	Dr. P. Syam Prasad	Full time	CSIR Fellowship	Bioglasses

DEPARTMENT OF CHEMISTRY

A. Completed

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	S. Kanakaraju	Prof. G. V. P. Chandramouli	Full Time	Institute	Synthesis and biological evaluation of novel substituted and fused tetrazole derivatives.
2	M. Nookaraju	Prof. I. A. K. Reddy (Guide) & Dr. Venkatathri Narayanan (Co-guide)	Full Time	Institute	Synthesis, Characterization and Catalytic Applications of Redox and Acid Functionalized Mesoporous Silica
3	P. Kavitha	Prof. K. Laxma Reddy	Full Time	Institute Fellowship	Synthesis, Characterization and Biological Activity Studies of some 3-Formylchromone Schiff Bases and their Transition Metal Complexes
4	B. Janardhan	Prof. B. Rajitha	Fulltime	Institute Fellowship	Studies on the synthesis of heterocyclic compounds, spirocyclo propane derivatives and their biological activities
5	P. Santhosh	Prof. V. Rajeswar Rao	Fulltime	Institute Fellowship	Multicomponent synthesis of novel heterocyclic compounds and their biological evaluation
6	Mr. V. Amarnath	Dr. P.V.Srilakshmi	Fulltime	Project	Design, Synthesis And Biological Activity Of Novel Heterocyclic Based Lipids And Dihydropyrazole Derivatives
7	Santosh Kumar	Dr. Vishnu Shanker	Fulltime	Institute Fellowship	Development of Novel g-C3N4- Based Hybrid Nanocomposites for Photocatalytic Applications under Visible Light

B. Working:

S. No.	Scholars	Guide (s)	Fulltime / Part-time	Fellowship	Thesis Title
1	Mr. K. Chaitanya Kumar	Prof. B. V. Appa Rao	Full Time	Rajiv Gandhi National Fellowship	Studies on inhibitor formulations to mitigate general and microbial corrosion of cupronickel alloy in sea water environment.
2	Mr. M. Narsihma Reddy	Prof. B. V. Appa Rao	Full Time	Institute Fellowship	Self assembled mono layers of nitrogen containing organic molecules for protection of copper
3	Mr. K. Vimal Kumar	Prof. B. V. Appa Rao	Full Time	Institute Fellowship	Chemically modified biopolymers as inhibitors for protection of metals
4	Mr. E. Hari Mohan	Prof. B. V. Appa Rao Dr. Tata Narsinga Rao	Part time	ARCI Fellowship	Development of cathode and anode materials for Lithium ion Batteries
5	Hanuma Reddy	Prof. M. K. Mohan Prof. B. V. Appa Rao	Full Time	Institute Fellowship	Corrosion Fattigue
6	V.V.N. Phani	Prof. B. V. Appa Rao Dr.Raju Prakash	Part time	ARCI Fellowship	Development of Bare/Insitu coated lithium based electrode materials for electric vechile applications
7	Gudipati Srinivasa Rao	Prof. A. Ramachandraiah	Full Time	Institute Fellowship	Spectroelectrochemical, Polymerphic and Molecular Modelling Studies of Functionally Dissimilar Nitrogens
8	Ella Rajesh	Prof. A. Ramachandraiah	Full Time	Institute Fellowship	Spectral, Electrochemical, Thermal and Molecular Modelling Investigation of Biphenyl Bridged Azomethine Derivative
9	Ashutosh Kumar Yadav	Prof. A. Ramachandraiah	Full Time	Institute Fellowship	Spectral, Electrochemical and Molecular Modelling Studies of Azodyes

10	P. Sagar Vijay Kumar	Prof. G.V.P. Chandramouli	Full Time	Institute Fellowship	Synthesis of novel heterocyclic compounds and their biological evaluation
11	L. Suresh	Prof. G.V.P. Chandramouli	Full Time	Institute Fellowship	Synthesis of novel heterocyclic compounds and their biological evaluation.
12	T. Vikram Sagar	Prof. I. A. K. Reddy (Guide) Dr. P. S. Sai Prasad (Co-guide)	Part-Time	Project	Reforming of Methane over Nickel Based Catalysts
13	I. Ugandar Reddy	Prof. P. NageswaraRao	Part-time	Nil	HPLC
14	T. Ramesh	Prof. P. NageswaraRao	Fulltime	Institute Fellowship	HPLC & LC-MS
15	B. Mayuri	Prof. K. Laxma Reddy	Full Time	Institute Fellowship	Synthesis and Characterization of Metal Complexes of Schiff Bases
16	V. Ravibabu	Prof. B. Rajitha	Fulltime	UGC	Studies and synthesis of biologically active heterocycles
17	G. Rajitha	Prof. B. Rajitha	Fulltime	UGC	New approaches for design, synthesis and biological evolution of heterocycles
18	G. Ramesh	Prof. B. Rajitha	Fulltime	UGC	Synthesis and biological evaluation of fused nitrogen and sulphurheterocycles
19	Tewodros Birhanu A.	Prof. V. Rajeswar Rao	Fulltime	--	Synthesis of nitrogen and sulfur heterocyclic systems by using multi-component approach
20	V. Krishnaiah	Prof. V. Rajeswar Rao	Fulltime	Institute	Synthesis and novel heterocyclic compounds.
21	P. Sreenu	Prof. V. Rajeswar Rao	Fulltime	Institute	Synthesis and anti-angiogenesis activity of new sulphur heterocyclic compounds derived from coumarins
22	B.Thirupaiah	Prof. V. Rajeswar Rao	Fulltime	Institute	Synthesis of new heterocyclic compounds from bromodehydroacetic acid.
23	Varun A.	Prof. V. Rajeswar Rao	Fulltime	Institute	Synthesis of new heterocyclic compounds based on MCR approach.
24	K. Koteshwara Reddy	Dr. K. V. Gobi	Full time	Institute	Electrochemical Impedimetric Sensors for Biomedical Markers
25	Satyanarayana M	Dr. K. V. Gobi	Full time	Institute	Electrochemical in-situ Analysis of Pharmaceutical Compounds at Nanoensembled Electrodes
26	K. Yugender Goud	Dr. K. V. Gobi & Prof. B.V.AppaRao	Full time	DRDO, GoI	Electrochemical Sensors for Explosives and Warfare Reagents
27	Mr. G. Mallikarjun	Dr. P.V.Srilakshmi	Fulltime	CSIR	Design, Synthesis and transfection efficiency of novel Pyrazole, Triazole, Tretrazole based novel cationic lipids for non viral gene delivey targeted to Tumour cells.
28	Mr. M. Venkanna	Dr. P.V.Srilakshmi	Fulltime	CSIR	Design,Synthesis and transfection efficiency of novel cationic lipids for non viral gene delivery targeted to BBB.
29	Mr. P. Mahendranath	Dr. P.V.Srilakshmi	Fulltime	UGC	Design,Synthesis and transfection efficiency of novel cationic lipids for non viral gene delivery targeted to tumors.

30	R. Hithavani	Dr.P.V. Srilakshmi	Fulltime	DST Project	Design, synthesis and evaluation of amino acid based cationic lipids for non-viral gene delivery targeting to BBB.
31	Mr. S. Nagaraju	Dr. Kashinath	Full time	UGC	Design and Synthesis of Chiral Ligands for Asymmetric Organic Transformations
32	Mr. B. Paplal	Dr. Kashinath	Full time	Institute	Development of Synthetic methodologies based on Homogeneous and Heterogeneous Catalysis
33	Ms. K. Sujatha	Dr. Kashinath	Full time	Institute	Development of Synthetic methods based on Heterogeneous Catalysis
34	Mr. V. Bharath	Dr.SrinivasBasavoju	Fulltime	Institute Fellowship	Synthesis of novel Phenanthridine derivatives.
35	T Surendar	Dr. Vishnu Shanker	Fulltime	Project/Institute Fellowship	Photo-catalytic activity of novel semiconductor materials for environmental remediation

DEPARTMENT OF MATHEMATICS:

A. Completed

S. No.	Scholars	Guide(s)	Fulltime/ Part-time	Fellowship	Thesis Title
1	K. Madhu latha	Prof.Y.N.Reddy	Parttime	--	Numerical analysis of singularly perturbed two point boundary value problems.
2	GBSL Soujanya	Prof.Y.N.Reddy	Fulltime	Institute	Numerical methods for a class of singular perturbation problems.
3	Y.Shouri Raju	Prof.K.N.S.Kasi Viswanadham	Fulltime	Institute	Numerical solution of higher order boundary value problems by collocation method with different orders of B-splines
4	Pavan Kumar	Dr. D. Dutta	Fulltime	UGC	Some studies fuzzy environments (Submitted)
5	G. Swamy Reddy	Dr.D.Srinivasa charya	Parttime	-------	Natural and Mixed Convection Problems in a Power-law Fluid Saturated Porous Medium
6	Upendar Mendu	Dr.D.Srinivasa charya	Fulltime	CSIR Project	Magnetic Effect on Natural and Mixed Convection in Micropolar Fluids (Submitted)
7	T.Divya	Dr.H.P.Rani	Fulltime	BRNS Project	CFD analysis of flow assisted corrosion (FAC) problems in pipes and pipe bends

B. Working

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Area of Research
1	Gurju Awgichew	Prof.G.Radha krishnamacharya	Fulltime	Ethopia	Stenosis Region Flows
2	G.Ravi Kiran	Prof.G.Radha krishnamacharya	Fulltime	Institute	Peristoltic with Dispersion
3	Santhosh Nallapu	Prof.G.Radha krishnamacharya	Fulltime	Institute	Flows in Smaller Diameter Tubes
4	Gemechis File Duressa	Prof.Y.N.Reddy	Fulltime	Ethopia	Numerical treatment of singularly perturbed differential-difference equations
5	P. Padmaja	Prof.Y.N.Reddy	Parttime	--	Initial and Boundary Value Methods for SPTPBVP's

6	Laxmi Sheerisha	Prof.Y.N.Reddy	Fulltime	Institute	Numerical Method s for Singularly Perturbed Differential Difference Equations
7	B.Sreenivasulu	Prof.K.N.S.Kasi Viswanadham	Fulltime	Institute	Numerical solution of higher order boundary value problems by Galerkin method with different orders of B-splines
8	S.Mallishwar Reddy	Prof.K.N.S.Kasi Viswanadham	Fulltime	Institute	Numerical solution of Differential equations with B-splines
9	J.Srinivas	Prof.J.V.Ramana Murthy	Fulltime	Institute	Analysis of entropy generation rate for immiscible non-Newtonian fluid flows with couple stresses in a channel
10	M.Phani Kumar	Prof.J.V.Ramana Murthy	Full time	QIP	Flow past a sphere by HAM
11	N.Vamsi Krishna	Prof.J.V.Ramana Murthy	Part time	Parttime	Peristaltic flow in curved channels
12	T.Govinda Rao	Prof.J.V.Ramana Murthy	Parttime	Parttime	Resonance type flows
13	G Nitish Kumar	Dr. D Dutta	Fulltime	Institute	Transportation Problems
14	O.Surendar	Dr.D.Srinivasa charya	Fulltime	Institute	Convection in a doubly stratified viscous fluid and nanofluid saturated porous medium
15	P.Vijay Kumar	Dr.D.Srinivasa charya	Fulltime	Institute	Convection along inclined wavy surface in nanofluid saturated porous medium
16	K.Hima Bindu	Dr.D.Srinivasa charya	Fulltime	Institute	Entropy analysis in convective heat and mass transfer
17	G.Madhav Rao	Dr.D.Srinivasa charya	Fulltime	QIP	Flow in a bifurcated stenosed artery
18	M. Varun Kumar	Dr.P.Muthu	Full Time	Institute	Fluid flow problems
19	G.Venkat Suman	Dr Pranitha J	Full time	INSPIRE	Convective transport in Newtonian/non-Newtonian fluids
20	Venkatrajam Marka	Dr.R.S.Selvaraj	Fulltime	Institute	On Codes with Rosenbloom-Tsfasman Metric
21	I. Gnanasudha	Dr.R.S.Selvaraj	Fulltime	Institute	She is doing Literature survey
22	Kumara Swamy	Dr.A.Benerji Babu	Parttime	Institute	Quantitative analysis of Delay Deferential equations
23	K.Appi Reddy	Dr.T.Kurmayya	Full time	Institute	Generalized inverses of operators
24	T.Pradeepa	Dr.Ch.Ramreddy	Fulltime	Institute	Convective transport in fluid flow problems

DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES:

A. Completed – Nil

B. Working

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	Jaipal	M. Raja Vishwanathan	**Fulltime**		Bilingualism as an alternative method to ELT
2.	Sufiya Naheed	M.Raja Vishwanathan	**Fulltime**		
3	Doreswamy	Madhavi Kesari	Fulltime	No	Teaching English at Linguistic and Instrumental Level: An Ethnographic Study in Degree Colleges of Karnataka.
4.	Vijay Kumar	Madhavi Kesari	Fulltime	No	Web based Technology: A Catalyst for Enhancing Oral and Written Communication Skills in B-Tech Students of RGUKT,AP IIT'S

SCHOOL OF MANAGEMENT:

A. Completed

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1.	Mr.T.Rahul	Dr.Ritanjali Majhi	Full time	Institute Fellowship	A Study on Customer Satisfaction, Loyalty and Churning in Telecom Sector in India

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. M Venugopal	Dr.M.Ravindar Reddy	Full Time	Institute Fellowship	Corporate Finance
4.	Ms. Nandini	Dr.M.Ravindar Reddy	Full Time	Institute Fellowship	Rural Marketing
5.	Mr. Vikas Bhattnagar	Dr.Ritanjali Majhi	Full Time	Project Fellowship	Marketing

BIOTECHNOLOGY

A. Completed

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	K.Narasimhulu	Prof.Y.Pydi Setty	Part-time	----	Studies on Biosorption of selected heavy metals from wastewater in a packed bed bioreactor
2	V. Swapna	Dr.P.Sreenivasa Rao	Fulltime	Institute	Production and optimization of industrially important alkaline protease enzyme from soil microorganisms
3	M.Naveen Kumar	Dr.P.Sreenivasa Rao	Full time	Institute	Thesis submitted

B. Working

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	Mr.B.Rama Raju	Dr.P.Sreenivasa Rao	Full time	Institute	Metabolic Engineering (Thesis Submitted)
2	Mr. V.S.P.K. Sankara Aditya. J	Dr Urmila Saxena	Full time	Institute	Cancer Biology
3	Ms. Sumithra. B	Dr Asim Bikas Das	Full time	Institute	Cancer Biology
4	Mr. Erva Rajeswara Reddy	Dr R. Satish Babu	Full time	Institute	Bio-informatics
5	Mr. Birru Bhaskar	Dr. P.Sreenivasa Rao	Full time	Institute	Stem Cell Engineering
6	Ms. Manasa. P.	Dr. K.Narasimhulu	Full time	Institute	Biofuels

Details of the candidates admitted into Ph.D. from 01.04.2013 to 31.03.2014

Sl. No.	Roll No.	Name of the Student	Department
1.	701330	Sri Rama Chand Madduru	Civil Engineering
2.	701332	Jew Das	Civil Engineering
3.	701333	Utsav Vishal	Civil Engineering
4.	701334	P. Swamy Naga Ratna Giri	Civil Engineering
5.	701335	Goriparthi Mallikarjuna Rao	Civil Engineering
6.	701336	Yantrapalli Sudheer Kumar	Civil Engineering
7.	701337	Kamatalam Mahaboob Peera	Civil Engineering
8.	701338	Pongunuru Naga Sowjanya	Civil Engineering
9.	701339	Sonti Venu	Electrical Engineering
10.	701340	S. Kayalvizhi	Electrical Engineering
11.	701341	Vijay Babu Koreboina	Electrical Engineering
12.	701343	Prabhakar Rao Ganji	Mechanical Engineering
13.	701344	Ramesh Babu Bejjam	Mechanical Engineering
14.	701345	Srinivasa Rohith. V	Mechanical Engineering
15.	701346	Mugada Krishna Kishore	Mechanical Engineering
16.	701347	Sangamesh. Gondegaon	Mechanical Engineering
17.	701348	Jaiteerth R Joshi	Mechanical Engineering
18.	701349	Puneet Chandran	Mechanical Engineering
19.	701350	P. Rakesh	E.C.E.
20.	701351	Rahul Singha	E.C.E.
21.	701352	B.V.N.S.M. Nagesh Deevi	E.C.E.
22.	701353	Sudha Ellison Mathe	E.C.E.
23.	701354	Sandeep Kumar Vangala	E.C.E.
24.	701355	Suman Nelaturi	E.C.E.
25.	701356	Shravan Kumar Bandari	E.C.E.
26.	701357	Arun Kumar	E.C.E.
27.	701358	K.V.B. Vasanta Rayudu	E.C.E.
28.	701359	Sony Priya Valluri	Met. & Mat. Engineering
29.	701360	Hanuma Reddy Tiyyagura	Met. & Mat. Engineering
30.	701361	Suman Kumari	Met. & Mat. Engineering
31.	701363	Pakki Tejasvi	Met. & Mat. Engineering
32.	701364	Meruga Ananda Rao	Met. & Mat. Engineering
33.	701365	P. Dorca R J Chandrika	Chemical Engineering
34.	701367	Sandipan Maiti	Comp Science & Engg.
35.	701368	Lalitha Kumari Pappala	Comp Science & Engg.
36.	701370	Kusuma Appi Reddy	Mathematics
37.	701371	Kethiri Himabindu	Mathematics
38.	701372	Irrinki Gnana Sudha	Mathematics
39.	701373	Varunkumar Merugu	Mathematics
40.	701374	Rapolu Mounika	Physics
41.	701376	Ashutosh Kumar Yadav	Chemistry
42.	701377	Bheemarasetti Mayuri	Chemistry
43.	701378	Banoth Paplal	Chemistry
44.	701379	E. Hari Mohan	Chemistry
45.	701380	Arandkar Varun	Chemistry
46.	701384	Sufiya Naheed	Hum. & Social Sciences
47.	701385	Jaipal	Hum. & Social Sciences
48.	701383	Merugu Venugopal	School of Management
49.	701386	Gade Madhava Rao	Mathematics
50.	701401	Ms. Abhigna. D	Civil Engineering

51.	701402	Mr. Siempu Rakesh	Civil Engineering
52.	701404	Mr. K. Praveen	Civil Engineering
53.	701405	Mr. Harinder. D.	Civil Engineering
54.	701406	Mr. Bonala Anil Kumar	Electrical Engineering
55.	701407	Mr. N.Venkata Phanendra Babu	Electrical Engineering
56.	701408	Mr. T. Jayanth Kumar	Electrical Engineering
57.	701409	Mr. U. Ramanjaneya Reddy	Electrical Engineering
58.	701410	Mr. Meka Kalyan Chakravarthi	Electrical Engineering
59.	701411	Mr. Srinivasan. P	Electrical Engineering
60.	701412	Mr. J. Amala Ranga Babu	Mechanical Engineering
61.	701413	Mr. K. Ganesh Babu	Mechanical Engineering
62.	701414	Mr. Kareddula Vijaya Kumar	Mechanical Engineering
63.	701415	Mr. M. Vijay Kumar	Mechanical Engineering
64.	701416	Mr. Venkateswarlu Velisala	Mechanical Engineering
65.	701417	Mr. Venkatesh. G.	Mechanical Engineering
66.	701418	Mr. Kiran Kumar Dama	Mechanical Engineering
67.	701419	Mr. K. Viswanath Allamraju	Mechanical Engineering
68.	701420	Mr. Gopala Rao Thellaputta	Mechanical Engineering
69.	701421	Mr. Arijit Paul	Mechanical Engineering
70.	701422	Mr. S. Muthu Kumar	Mechanical Engineering
71.	701423	Mr. Lakkaraju S.K. Chaitanya	E.C.E.
72.	701424	Mr. M. Ranjeeth	E.C.E.
73.	701425	Mr. D. Kiran	E.C.E.
74.	701426	Ms. V. Revathi	E.C.E.
75.	701427	Mr. M.V. Raghunadh	E.C.E.
76.	701428	Mr. P. Hari Krishna Prasad	E.C.E.
77.	701429	Ms. Papiya Biswas	Met. & Mat. Engineering
78.	701430	Ms. Shabana Shaik	Chemical Engineering
79.	701431	Mr. Sai Krishna. M	Comp Science & Engg.
80.	701432	Mr. A. Sudarshan Chakravarthy	Comp Science & Engg.
81.	701433	Ms. Lavanya Madhuri Bollipo	Comp Science & Engg.
82.	701434	Mr. V.S.P.K. Sankara Aditya. J	Biotechnology
83.	701435	Ms. Sumithra. B	Biotechnology
84.	701436	Mr. Erva Rajeswara Reddy	Biotechnology
85.	701437	Mr. Birru Bhaskar	Biotechnology
86.	701438	Ms. Manasa. P.	Biotechnology
87.	701439	Ms. Teegala Pradeepa	Mathematics
88.	701440	Mr. Gontla Venkata Suman	Mathematics
89.	701441	Mr. C. Hari Krishna	Physics
90.	701444	Mr. M. Mohan Babu	Physics
91.	701446	Ms. K. Sujatha	Chemistry
92.	701448	Mr. Venkata Bharath Nishtala	Chemistry
93.	701450	Mr. Vaddi V.N. Phani Kumar	Chemistry
94.	701451	Mr. Tatiparthi Vikram Sagar	Chemistry
95.	701452	Mr. Vikas Bhatnagar	School of Management
96.	701454	Ms. Nandini	School of Management
97.	701455	Mr. Doreswamy	Hum. & Social Sciences
98.	701456	Mr. Vijay Kumar Neerudu	Hum. & Social Sciences
99.	701457	Palkar Ritesh Ramesh	Chemical Engineering

5.2 DETAILS OF THE Ph. D AWARDED FROM 1.4.2013 TO 31.3.2014

Number of Ph.Ds awarded from 1.04.2013 to 31.03.2014

	Name of the Scholar	Department	Supervisor	Title of the Research
1	Upradishta Satyavara Prasad Part Time Roll No. 700914	Mechanical Engineering	Prof. K. Madhumurthy and Prof. G. Amba Prasad Rao	Investigations on the Performance and Emmissions of a Compression Ignition Engine Fuelled with Biodiesel-Diesel Blends
2	Krishna Vaddadi Full Time Roll No. 700821	Chemistry	Prof. A. Rama Chandraiah	Synthesis and characterization of some new series of Biphenyl bridged Polynucleating ligands and their bivalent metal complexes as possible supramolecular hosts
3	Puli Kishore Kumar Full Time Roll No. 700821	E.C.E.	Dr. K. Kishore Kumar	Some investigations on Signal Processing aspects of Ultra-Wideband (UWB) Radar for through-the-wall Imaging
4	Srinu Naik Sapavalu Part Time-Internal Faculty Roll No.700921	Chemical Engineering	Prof. Y. Pydi Setti	Optimization of Parameters for Biological denitrification of wastewater in a gas-liquid-solid Bioreactor
5	D. Harikrishna Full Time Roll No. 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
6	Rayi Naveen Kumar Full Time Roll No. 700967	Chemical Engineering	Dr. A. Venu Vinod	Studies on Biodegradation of Phenolic Wastewater in a bubble column Bioreactor
7	V.V. Satyanarayana. K Full Time Roll No. 700732	Chemistry	Prof. P. Nageswara Rao	Spectrophotometric Determination selected drugs in their formulations
8	B.V. Sudheer Kumar Part Time Roll No. 700712	Mechanical Engineering	Prof. C.S.P. Rao	An Integrated modular approach for features extraction and generation of optimal process plans for Prismatic parts
9	J. Vijay Kumar Full Time Roll No. 700814	Electrical Engineering	Prof. D.M. Vinod Kumar	Optimal Bidding Strategies in a Double Auction Electricity Market using Hybrid and Varying Population based Metaheuristic Techniques
10	Punnamchandar Bitla Full Time Roll No. 701016	Mathematics	Prof. T.K.V. Iyengar	Some Unsteady Micropolar and Couple Stress Fluid Flows between Permeable Beds.
11	Subhash Chandra Bose P Part Time (Internal) Roll No. 700815	Mechanical Engineering	Prof. C.S.P. Rao	Some Machining Studies on NIMONIC75 and NICROFER C263 Super Alloys and Development of Analytical and Prediction Models
12	Mohammad Ali Part Time (Internal) Roll No. 700502	Civil Engineering	Prof. P. Anand Raj	Performance Evaluation of Flexible Pavement Laid over Stabilized Sandy Sub-Grade.
13	Mrs. Madhulatha. K Part Time Roll No. 700974	Mathematics	Prof. Y.N. Reddy	Numerical Analysis of Singularly Perturbed Two Point Boundary value Problems.
14	Korrapati Narasimhulu Part Time (Internal) Roll No. 700916	Biotechnology	Prof. Y. Pydisetty	Studies on Biosorption of Selected Heavy Metals from Wastewater in a Packed Bed Bioreactor.
15	Guduri Swamy Reddy Part Time Roll No. 701080	Mathematics	Dr. D. Srinivasa Charya	Natural and Mixed Convection problems in a Power-law Fluid Saturated Porous Medium
16	Ramesh Chandragiri Full Time Roll No. 700918	Chemical Engineering	Prof. R.C. Sastry	Optimization of Process Parameters for the synthesis of Itaconic acid using Ustilago Maydis.
17	V. Swapna Full Time Roll No. 700915	Biotechnology	Dr. P. Sreenivasa Rao	Production and Optimization of Industrially important ALKALINE protease enzyme from soil micro organisms
18	Vinay Kumar Domakonda Full Time – 700960	Mechanical Engienering	Prof. Puli Ravi Kumar	Experimental studies on a Biodiesel fueled Diesel Engine using Thermal Barrier Coatings.
19	C. Satyanarayana Raju Part Time Roll No. 700219	Mechanical Engineering	Prof. C.S.P. Rao	Experimental Investigation and Development of predictive model for cutting forces & surface finish in rotary tool milling of Titanium Alloy
20	M. Heeralal Part Time (Internal) Roll No. 700610	Civil Engineering	Dr. P. Ratheesh Kumar	A study on the Fatigue performance characteristics of steel fiber re-inforced aggregate based rigid pavements.

21	Srinivasu Gangisetti Full Time Roll No. 700958	Mechanical Engineering	Dr. R. Narasimha Rao	Experimental Investigation and Modeling of Mechanical & Tribological properties of Titanium Alloy (Ti-l0v-4.5 Fe-3Al)
22	Kosaraju Satyanarayana Full Time Roll No. 700956	Mechanical Engineering	Prof. A. Venugopal	Experimental Studies on machinability characteristics: Modeling simulation, analysis and optimization of turning Ti6Al4V
23.	B.S.L. Soujanya. G Full Time Roll No. 701077	Mathematics	Prof. Y.N. Reddy	Numerical methods for a class of singular perturbation problems.
24.	Venugopal lingampalli Full Time Roll No. 700957	Mechanical Engineering	Prof. N. Selvaraj & Dr. M.J. Davidson	High Temperature formability of Aluminium AA2014 Thin walled tube ends.
25.	T. Divya Full Time Roll No. 701082	Mathematics	Dr. H.P. Rani	CFD Analysis of Flow accelerated corrosion in pipes and pipe bends
26.	Puli Danaiah Full Time Roll No. 701059	Mechanical Engineering	Prof. Puli Ravi Kumar	Experimental studies on the effect of Oxygenated additives on performance of spark ignition engine.
27.	Hymavathi Madivada Full Time Roll No. 701060	Mechanical Engineering	Prof. C.S.P. Rao	Development of Evolutionary Algorithms for solving Mono and multi objective job shop scheduling problems.
28.	Cherukuru Sujatha Full Time Roll No. 700803	Physics	Dr. Venugopal Reddy and Prof. A. Ramachandra Reddy	Study on Structural and Electromagnetic properties of Mg substituted NiCuZn Nanoferrites

Number of Ph.Ds. Awarded from 01.04.2013 to 31.03.2014: (Statistics)

Civil Engineering	:	02
Electrical Engineering	:	02
Mechanical Engineering	:	10
E.C.E.	:	01
Chemical Engineering	:	03
C.S.E.	:	00
Biotechnology	:	02
Chemistry	:	02
Mathematics	:	05
Physics	:	01
Total		**28**

5.3 RESEARCH PROJECTS

DEPARTMENT OF CIVIL ENGINEERING

A. Intradisciplinary Projects

i) Completed

Name of the Project	Name of the Coordinator(s)	Amount sanctioned (Rs. in lakhs)	Funding Agency
Development of Urban Transportation Toolkits: a) Analysis of Urban Traffic System, b) Urban Transportation System Design & Evaluation	C.S.R.K. Prasad, D.S.N.V. Amar Kumar, K.V.R. Ravi Shankar, T.V. Ramanayya	12.00	IUT, New Delhi(SUTP Project funded by WB)
RSM Project: (Completed) A study on the influence of Nano particles (Al_2O_3 and Fe_2O_3) inclusions in Self Compacting Concrete.	S Venkateswara Rao	2.8	RSM (MHRD)

ii) Ongoing

Name of the Project	Name of the Coordinator(s)	Amount sanctioned (Rs. in lakhs)	Funding Agency
DST-Fast Track for Young Scientist	P. Hari Prasad Reddy	25.00	DST-SERB
Centre for Urban Transportation Studies	C.S.R.K. Prasad	132.50	Ministry of Urban Development
Road Safety Manual	C.S.R.K. Prasad	10.00	Roads and Building Department, Hyderabad
Rural Roads GIS	C.S.R.K. Prasad	25.00	Panchayat Raj Engineering Department, Hyderabad
Effect of Aging on the Mechanical Response of Asphalt Binders	Venkaiah Chowdary	20.90	Department of Science and Technology
Influence of Mix Properties on the Permanent Deformation Characteristics of Asphalt Mixtures	Venkaiah Chowdary	03.50	Ministry of Human Resources Development
Sealing of Gravel Roads	C.S.R.K. Prasad, and Venkaiah Chowdary	19.50	Ministry of Rural Development
Pedestrian Behaviour Dynamic Analysis near Intersections and Terminals	K.V.R. Ravi Shankar	23.00	Department of Science and Technology
Development of Precise and Real Time Simulation Watershed Modeling System Using Advanced Geospatial and Soft Computing Methods	K. Venkata Reddy Deva Pratap	15.53	DST
Development of Rural Information System Using High Resolution Satellite Data, GIS and GPS	K. Venkata Reddy	16.92	DST-SERC Fast Tract for Young Scientists
Integrated Urban Flood Management in India: Technology Driven Solutions	Prof. N V Umamahesh	Rs. 66.83 lakhs	Information Technology Research Academy (ITRA), The Department of Electronics & Information Technology, Ministry of Communication and Information Technology, GoI
Lake Dynamics and their interaction with aquifers at Warangal City using Isotope Techniques	Dr. E Venkata Rathnam and Prof. K V Jayakumar	19.21 lakhs	DST/CWRDM

B. Interdisciplinary Projects

i) Completed

Name of the Project	Name of the Coordinator(s)	Amount sanctioned (Rs. in lakhs)	Funding Agency	Collaborating Department(s) / Organisation(s)
NIL				

ii) Ongoing

Name of the Project	Name of the Coordinator (s)	Amount sanctioned (Rs. in lakhs)	Funding Agency	Collaborating Department(s) / Organisation(s)
Investigating the effect of co-digestion and advanced sludge pre-treatment methods on the anaerobic conversion potential of the organic wastes.	Dr. P.Venkateswara Rao Dr.S.S.Baral Dr.Vaibhav Goud	27.428	Dept. of Biotechnology	BITS Pilani KK Birla Goa Campus IIT, Guwahati
Development of efficient bioleaching process for the metal recovery from spent catalysts	Dr.S.S.Baral Dr. P.Venkateswara Rao Dr.Vaibhav Goud	26.56	Dept. of Biotechnology	BITS Pilani KK Birla Goa Campus IIT, Guwahati

DEPARTMENT OF ELECTRICAL ENGINEERING

A. Intradisciplinary Projects

i) Completed

Name of the Project	Name of the Coordinator(s)	Amount sanctioned (Rs. in lakhs)	Funding Agency
NIL			

ii) Ongoing

Name of the Project	Name of the Coordinator(s)	Amount sanctioned (Rs. in lakhs)	Funding Agency
Direct Torque Control of Five - Phase Induction motor drive	Sri.T Vinay Kumar	5.0	RSG 2013-2014 - NIT, Warangal
Load compensation by DSTATCOM in distribution system	Dr.G Siva kumar	5.0	RSG 2013-2014 -NIT Warangal
Performance investigation of a single-star bridge-cell based modular multilevel cascaded inverter with different PWM schemes	Dr. Sreenivasarao D	5.0	RSG 2013-2014 -NIT Warangal

B. Interdisciplinary Projects

i) Completed

Name of the Project	Name of the Coordinator(s)	Amount sanctioned (Rs. in lakhs)	Funding Agency	Collaborating Department(s) / Organisation(s)
NMICTE Pedagogy Research Project-development of course "HVDC Transmission"	Dr.D. V. L. N. Somayajulu		NMEICT	Prof.D V L N Somayajulu

ii) Ongoing

Name of the Project	Name of the Coordinator(s)	Amount sanctioned (Rs.in lakhs)	Funding Agency	Collaborating Department(s) / Organisation(s)
NIL				

DEPARTMENT OF MECHANICAL ENGINEERING

A. Intradisciplinary Projects

i) Completed

Name of the Project	Name of the Coordinator(s)	Amount sanctioned (Rs. In lakhs)	Funding Agency
End Forming of thin walled tubes by Induction Forming Process	Dr M J Davidson	13.7	DST , 2013

ii) Ongoing

Name of the Project	Name of the Coordinator(s)	Amount sanctioned (Rs. in lakhs)	Funding Agency
Evaluation of optimum machining parameters while machining Nimonic alloy(C263)-Development of genetic programming models	Dr. P. Subhash Chandra Bose Prof. C.S.P. Rao Sri. G. Venkate-shwara Rao	10.00	DRDL
Development of Advanced Manufacturing facility for Metal Matrix Composites	C.S.P. Rao	40.00	MHRD- NITW Mini centre of excellence
Comparative experimentalism on the NOx reduction using Urea dosed SCR and EGR system with a second generation biofuel	Dr.A.Veeresh Babu	2.8	MHRD, NITW
Parametric Studies and Dynamic Response of PEM Fuel Cell	G.Naga Srinivasulu	2.50	MHRD, RSM
Sliding and Abrasive wear behaviour of aluminium matrix composites	Dr R N Rao	3.3	MHRD, RSM

Centre of Excellence funded by MHRD

Centre for Sustainable Energy Studies	Prof. AVN Rao, Prof. S.Srinivasa Rao, Prof. N.Subramanyam and others (Total- 13 Investigators)	500 lakhs	TEQIP-II

B. Interdisciplinary Projects

i) Completed

Name of the Project	Name of the Coordinator(s)	Amount sanctioned (Rs. in lakhs)	Funding Agency	Collaborating Department(s) / Organisation(s)
Formability of induction heated tailor welded blanks(TWB) of precipitation hardenable aluminium alloys	Dr M J Davidson Dr Asit Mrs Porpandiselvi	5.7	DST	MMED

ii) Ongoing

Name of the Project	Name of the Coordinator(s)	Amount sanctioned (Rs.in lakhs)	Funding Agency	Collaborating Department(s) / Organisation(s)
Modelling Studies on the Hot Deformation and Densification Behaviour of Sintered Al-TiB2 composites and its Tribological Characterization	Dr. M J Davidson Dr. Asit Dr. N. Selvaraj	12.6	CSIR	NIL
Investigations on heat transfer augmentation in a rectangular thermosyphon loop by using nanofluids: mini to large scale study	Dr. Kiran Kumar K	23.64	DST	NIL

ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT

A. Intradisciplinary Projects

i) Completed

S. No.	Name(s) and Designation	Title of the project	Fund Rs. lakhs	Agency
NIL				

ii) Ongoing

Name of the Project	Name of the Coordinator(s)	Amount sanctioned (Rs. in lakhs)	Funding Agency
Study and development of real time adaptive filter algorithms for sensor measurements	Dr.T.Kishore Kumar	8.5	RCI, DRDO
MHRD NMEICT Project in collaboration with IIT Kharagpur-Developing E-Learning material for UG students across India	Dr.T.Kishore Kumar	7.0	MHRD
Pedagogy Project- Antennas	Prof. N.V.S.N. Sarma	7.0	MHRD
Design of optimum phased array and Identification of Faulty Elements	Prof. N.V.S.N. Sarma/ Dr.D.Vakula	9.9	DRDO
DSP and Multimedia Instructions for 32-bit MIPS Processor	Dr. B.Lakshmi	9.5	DRDO, ANURAG
O-QPSK Modulator & Demodulator design and its performance analysis for IEEE 802.15.4 Personal Area Networks	Dr.V.V.Mani	9.8	DRDO, ANURAG

DEPARTMENT OF CHEMICAL ENGINEERING

A. Intradisciplinary Projects

i) **Completed – Nil**

ii) **Ongoing**

Name of the Project	Name of the Coordinator(s)	Amount sanctioned (Rs. in lakhs)	Funding Agency
Development of Dispersion process of high solid containing propellant slurry with Nano Al Particles	Dr. Y. Pydi Setty (CO-PI)	10.40	ISRO Banglore
Development of Dispersion process of high solid containing propellant slurry with Nano Al Particles	Dr. Shirish Sonawane Dr. S Srinath Prof. Y. Pydi Setty	10.64	Indian Space Research Organization ISRO Space Center Sriharikota
Synthesis of nanohydrogel and Devlopment of hybrid waste water treatment technique using cavitation technique and hydrogel	Dr. Shirish Sonawane	58	Ministry of Environment and Forest New Delhi

Other Projects:

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-learning. Dr.A. Venu Vinod, Mr.A. Sarath Babu, Prof.RC. Sastry. MHRD National Mission project on education through ICT. Coordinated by IIT Kharagpur. Rs. 8 lacs Sanctioned in 2009).

MHRD sponsored project for Curriculum Design and Development for "Novel Separation Techniques" 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. 7 lacs (Main Developer: Prof. Y. Pydi Setty).

B. Interdisciplinary Projects

i) **Completed – Nil**

ii) ***Ongoing***

Name of the Project	Name of the Coordinator(s)	Amount sanctioned (Rs. in lakhs)	Funding Agency	Collaborating Department(s) / Organisation(s)
Advanced modeling, control and decision support tools for flexible and optimal wastewater treatment plants	Seshagiri Rao A (NITW), Vivek V. Ranade (NCL, Pune), R. Saravanane (PEC, Pondicherry), Ingmar Nopens (Ghent, Belgium), Quim Comas, Jordi Robuste (Spain),	11.7	New INDIGO through DST	Pondicherry Engineering College, Pondicherry; National Chemical Laboratory, Pune; Ghent University, Belgium); University of Girona, Spain; Catalan Water Agency, Spain
Simulation of pitting corrosion and galvanic corrosion in stressed and unstressed parts subjected to chloride environment	Dr. T. Sunil Kumar. Dr. N. Narasaiah & Prof. B.V.Appa Rao	23.4	Naval Research Board, India	Chemistry and Metallurgical and Materials Engineering
Preparation of a Practitioners information package report on the "Developments in Chemical Looping Technology worldwide" for the benefit of our power sector.	Dr. P.V. Suresh	1.5	TREC-STEP, Tiruchirappalli	TREC-STEP, Tiruchirappalli, BHEL Trichy, Chemical Engineering Dept, NIT Warangal

DEPARTMENT: COMPUTER SCIENCE & ENGG.

A. Intradisciplinary Projects

i) Completed

Name of the Project	Name of the Coordinator(s)	Amount sanctioned (Rs. in lakhs)	Funding Agency
NIL			

ii) Ongoing

Name of the Project	Name of the Coordinator(s)	Amount Sacntioned (Rs. In lakhs)	Funding Agency
Mini Centre of Big Data	Dr. R.B.V. Subramanyam& Prof. D.V.L.N. Somayajulu	100	NIT Warangal
Secure SMS Using koblitz curve based ECC on androidDevices	Dr. R. Padmavathy	7.07	DST-SERB
Automata Theory	Prof. T. Ramesh	7.0	MHRD, Govt, India (through IIT Kharagpur)
Compiler Design	Dr. U.S.N. Raju	7.0	MHRD, Govt, India (through IIT Kharagpur)
Cryptography and Applications	Prof. B.B. Amberker	7.0	MHRD, Govt, India (through IIT Kharagpur)
Data Mining	Dr. R.B.V. Subramanyam	7.0	MHRD, Govt, India (through IIT Kharagpur)
Data Warehousing	Prof.D.V.L.N.Somayajulu	7.0	MHRD, Govt, India (through IIT Kharagpur)
File Structure	Dr. K. Ramesh	7.0	MHRD, Govt, India (through IIT Kharagpur)
Mobile Computing	Dr. R.R. Rout	7.0	MHRD, Govt, India (through IIT Kharagpur)
Problem Solving and Programming	Prof. S. G. Sanjeevi	7.0	MHRD, Govt, India (through IIT Kharagpur)

DEPARTMENT OF METALLURGICAL AND MATERIALS ENGINEERING

A. Intradisciplinary Projects

i) Completed

Name of the Project	Name of the Coordinator(s)	Amount sanctioned (Rs. lakhs)	Funding Agency
Improvement of Tribological Properties of Titanium Alloys	Dr. G.V.S.Nageswara Rao	17.1392	AR&DB

ii) Ongoing

Name of the Project	Name of the Coordinator(s)	Amount sanctioned (Rs. in lakhs)	Funding Agency
Influence of Gas Tungsten Arc Welding on Microstructure and Tensile Properties of Cu Modified Ti-6Al-4V Alloy	Dr. G.V.S.Nageswara Rao	20.77	DRDO
Development and Evaluation of Wear Properties of Boron Carbide and Chromium Diboride for Control Rod Applications in Nuclear Reactors	Dr. G.V.S.Nageswara Rao	46.655	BRNS
Evaluation of Ti-15-3 Beta Titanium alloy for high strength fasteners for space applications	Dr. M.K.Mohan	16.79	ISRO
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	Dr. Asit Kumar Khanra	19.69	CSIR
Development of Alumina-Zirconia-Titania Bioceramics	Dr. Ajoy Kumar Pandey	5.0	RSM, NITW
Development of ZrB_2-TiB_2-Si_3N_4 ceramic composites for high temperature applications	Dr. G. Brahma Raju	5.0	RSM, NITW
Asymmetric Cryorolling of Shape Memory Alloys	Dr. R. Arockia Kumar	5.0	RSM, NITW
Development of high strength Mg-base nanocomposites with LPSO phases using powder metallurgy and spark plasma sintering	Dr. Bonta Srinivasa Rao	5.0	RSM, NITW

B. Interdisciplinary Projects

i) Completed - Nil

ii) Ongoing

Name of the Project	Name of the Coordinator(s)	Amount sanctioned (Rs. in lakhs)	Funding Agency	Collaborating Department(s) / Organisation(s)
Electrochemical and surface analytical studies of corrosion behaviour of selected superalloys in marine gas turbine engine conditions	Dr. B. V. Appa Rao (PI) Dr. M.K.Mohan and (Co-PI)	23.00	NRB, DRDO	(i) Dept. of Chemistry
Simulation of pitting corrosion and galvanic corrosion in stressed and unstressed parts subjected to chloride environment	Dr. T. Sunil Kumar (PI) Dr. N.Narasaiah (Co-PI) Dr.B.V.Appa Rao (Co-PI)	23.40	NRB, DRDO	(i) Dept. of Chemical Engineering (ii) Dept. of Chemistry

DEPARTMENT OF MATHEMATICS:

A. Intradisciplinary Projects

i) Completed

Name of the Project	Name of the Coordinator(s)	Amount sanctioned (Rs. in lakhs)	Funding Agency
Free and Forced Convection effects on perfectly conduction micropolar fluid	Dr.D.Srinivasacharya	10.00	Counsel of Scientific and Industrial Research, New Delhi, India
CFD analysis of flow assisted corrosion (FAC) problems in pipes and pipe bends	Dr. H. P. Rani	28.78	Department of Atomic Energy, BARC, Mumbai

ii) Ongoing:

Name of the Project	Name of the Coordinator	Amount sanctioned (Rs. in lakhs)	Funding Agency
Computer Simulation of flow in curved tubes : Application to blood flow in aorta	Dr.P.Muthu	2.00	MHRD Research Seed Grant
Heat Transfer for a Flow in a Non-Newtonian Fluid by a Circular Plate	Dr.J.Pranitha	2.00	MHRD Research Seed Grant
Nonlinear convection in Porous Medium	Dr.A.Benerji Babu	2.00	MHRD Research Seed Grant
Laminar forced convection in thermally developing region of parallel plate channels partially filled with porous material: constant heat flux	Dr.D.Bhargavi	1.82	MHRD Research Seed Grant
Dispersion Effects on Convective Flows	Dr.Ch.Ramreddy	4.00	MHRD Research Seed Grant

DEPARTMENT OF PHYSICS

A. Intradisciplinary Projects

i) Completed

Name of the Project	Name of the Coordinator (s)	Amount Sanctioned (Rs. In lakhs)	Funding Agency
High temperature measurement using fiber Bragg grating Sensors"	Prof.K.Srimannarayana, Prof. R.L.N.Sai Prasad	31.20	DIT, MIT, New Delhi

ii) Ongoing

Name of the Project	Name of the Coordinator (s)	Amount Sanctioned (Rs. In lakhs)	Funding Agency
Development of FBG sensors for Fusion Technology relevant Applications	Prof.M. Sai Shankar, Prof. R.L.N.Sai Prasad	28.86	BRFST, IPR, Gandhinagar
Synthesis and characterization of phosphate and silicate based bio active glasses and their ceramics for medical applications	Dr.P. Abdul Azeem A sst. Professor	16.97	DST
Optical and lifetime studies of highly stable 1,2-diaroyl/heteroaroyl benzenes and organic light emitting diode (OLED)characteristic	Dr. K. Thangaraju	23.34	Department of Science and Technology (DST), New Delhi, India.

DEPARTMENT OF CHEMISTRY

A. Intradisciplinary Projects

i) Completed

Name of the Project	Name of the Coordinator (s)	Amount Sanctioned (Rs. In lakhs)	Funding Agency
Synthesis and anti angiogenesis activity of new sulphur heterocyclic compounds derived from coumarins.	Dr. V. Rajeswar Rao	8.75	CSIR
Rational Design of Dimerizable and Targetable Cationic Peptide Amphiphiles for non-viral Gene Delivery	Dr. P.V.Srilakshmi	10	CSIR
Fabrication and characterization of new type core-shell nanocomposite as efficient photocatalysts towards water treatment for environment remediation under visible light	Dr. Vishnu Shanker	1.75	MHRD, Govt of India through NITW

ii) Ongoing

Name of the Project	Name of the Coordinator (s)	Amount Sanctioned (Rs. In lakhs)	Funding Agency
Development of Nano-organized Electrochemical Impedance Immunosensors for Detecting Trace Levels of Explosives and Biowarfare Agents	Dr. K. V. Gobi, PI & Prof. B. V. Appa Rao, Co-PI	19.74	Defence Research and Development Organization (DRDO), Government of India
Development of Benzoxazole, Benzthiazole and Benzimidazoles Based Novel Cationic Amphiphiles for Non-Viral Gene Delivery Targeting to Tumors	Dr. P.V.Srilakshmi	19.1	DST Fast Track
Development of Pyrazole, Triazole and Tetrazole Based Novel Cationic lipids for Targeting Non-viral Gene Delivery to Tumors	Dr. P.V.Srilakshmi	31.6	DST
Synthesis, characterization and doping effect-studies of complex metal oxide nano particles	Dr. Vishnu Shanker	19.45	DST, Govt. of India
2.Pedagogy Research Project, I B.Tech Chemistr	Dr.B.V.Appa Rao, PI & Dr.A.Ramachandraiah, Co-PI Dr.I.A.K.Reddy, Co-PI	5	MHRD, GOI

B. Interdisciplinary Projects

i) Completed - Nil

ii) Ongoing

Name of the Project	Name of the Coordinator (s)	Amount Sanctioned (Rs. In lakhs)	Funding Agency	Collaborating Department (s) / Organisation (s)
Discovery of Inhibitors of System Xc^- Transporter, a Novel Therapeutic Target for Glutamate-Mediated Excitotoxicity and Epileptogenesis	Dr. MukeshNandve Dr. D. Kashinath Dr. Prashant Kharkar	19.00	DBT-Neuroscience Taskforce	School of Pharmacy, NMIMS University, Mumbai and Department of Chemsitry, NIT Warangal

Simmulation of pitting corrosion and galvanic corrosion in stressed and un stressed parts subjected to chloride environment (as Co-PI)	Dr.T.Sunil Kumar, PI Dr.B.V.Appa Rao, CoPI Dr.N.Narasaiah, Co PI	23.4	Naval Research Board, Govt.India	Chem.Engg, Chemistry, Metallurgical Engg.

SCHOOL OF MANAGEMENT

A. Intradisciplinary Projects

i) Completed

Name of the Project	Name of the Coordinator(s)	Amount sanctioned (Rs. In lakhs)	Funding Agency
Empowerment of rural women through entrepreneurship: A Study in Andhra Pradesh	Dr.S.L.Tulasi Devi	1.50	RSM Grants

ii) Ongoing

Name of the Project	Name of the Coordinator(s)	Amount sanctioned (Rs. In lakhs)	Funding Agency
A Study on Research and Consulting Activities of NIT System of India	Dr.Ritanjali Majhi	16.02	DST

BIOTECHNOLOGY

B. Interdisciplinary Projects

i) Completed - Nil

ii) Ongoing

Name of the Project	Name of the Coordinator(s)	Amount sanctioned (Rs. In lakhs)	Funding Agency	Collaborating Department(s) / Organisation(s)
Designing and assessment of a dynamic perfusion bioreactor for polymer guided bone regeneration by using mesenchymal stem cells.	Dr. P. Sreenivasa Rao	37.38	DBT	Biotechnology, NIT Warangal
Bioethanol Production from Cellulosic Biomass by immobilized yeast cells.	Dr. Narasimhulu K	20.64	DST Fast track Project	Biotechnology, NIT Warangal
MHRD sponsored project for Curriculum Design and Development for "Downstream Processing "	Dr. P. Sreenivasa Rao & Dr. Narasimhulu K	8.00	MHRD	Biotechnology, NIT Warangal
MHRD sponsored project for Curriculum Design and Development for "Novel Separation Techniques"	Prof. Y. Pydi Setty and Dr. Narasimhulu K	7.00	MHRD	Chemical Engineering and Biotechnology, NIT Warangal

5.4 Sponsored Research and Industrial Consultancy (SRIC)

During the period **01-04-2013 to 31.03.2014 an amount of Rs. 65,89,543=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 (R&D) Military Engg. Services Sec-Bad.
- EE, I.S.RMC, D-II, Tadapalli Gudam.
- Commissioner Nagara Panchayat, Narsampet. WGL.
- G.M. Engg. Projects (I) HYD.
- EE I&CADD, LMD Colony, Karimnagar.
- S.E. APGENCO, K.T.P.P. Chelpur.
- Irrigation & CADD- Warangal, Asifabad, and Adilabad, Khammam.
- Addl. G.M. NTPC, Simhadri, Visakhapatnam.
- S.C.Co, Ltd, Ramagundam, Manuguru, Bhupalapally. And Konthagudam, Mancherial.
- K.T. Power Project, Warangal, and some other organizations.

The total earning by this Laboratory during the above period is Rs:***12,41,061=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.

- Development Officer, K.U.C. Warangal.
- E.E. I&CADD, Dr.B.R.A.P.L.S.S. Div, Nizamabad.
- Gayatri GPL-RKTCPL JV, R.B.Road, HYD.
- S.C.Co, Ltd, Ramagundam, Mandamarri, Bhupalapally. And Kothagudam, Mancherial.
- Principal Govt Polytechnic Warangal.
- E.E. I& CADD, Gauging div., LMD. Colony, Karimnagar.
- E.E. I& CADD, I.B. Div, Mancherial.
- E.E. I& CADD, Dr. B.R.A.P.C.S.S. Sub-Div No:-2, Nizamabad.
- EE (R&D) Military Engg. Services Sec-Bad.
- K.T. Power Project, Warangal. And some other organizations.
- Ordinance Factory Yedumailaram, MEDHAK.

The total earning by this Laboratory during the above period is Rs:***33,21,716 =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:

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

The total earning by the Laboratory during the above period is Rs: ***7,68,542=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.
- A.P. Society, Knowledge Network's, HYD..
- Institute for Electronic Governance Hyderabad. And some other organizations.

The total earning by this Laboratory during the above period is Rs. **2,50,000=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.

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

The total earning by this Laboratory during the above period is Rs: ***9,12,925=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.
- E.D. T.R. Engg. Collage, S&TE Park, Tiruchirapally.
- TREC-STEP, Tiruchirappalli.

The total earning by the Laboratory during the above period is Rs*: 95,299=00*

6.0 ADMINISTRATIVE AND STATUTAORY BODIES AND OTHER COMMITTEES

6.1 The Board of Governors

CHAIRMAN

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

MEMBERS

Prof. T. Srinivasa Rao
Director
National Institute of Technology,
Warangal – 506 004

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 U.B.Desai (from 12-03-2014)
Director,
Indian Institute of Technology,
Ordinance Factory Estate,
Yeddumailaram -502 205

Dr. Janakiram Nanduri (from 17-06-2013)
Industrialist, 76, Surya Enclave,
Thirmulgherry,
Secunderabad 500 015

Prof. Arjula Ramachandra Reddy (from 17-06-2013)
Former Vice Chancellor,
Yogi Vemana University, Kadapa &
Former Professor & Dean in Department of Plant Sciences, Emeritus Professor,
University of Hyderabad,
South Campus, Gachibowli,
Hyderabad 500 046

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

Dr. D.Yogeswara Rao (from 11-06-2013)
Adviser,
Office of the Principal Scientific Adviser to Govt of India,
Room No.313A, Vigynan Bhavan Annexe,
Moulana Azad Road
New Delhi 110 011

Prof. K.S.R. Krishna Prasad (up to 10-11-2013)
Dept. of ECE,
NIT, Warangal

Sri K.Ravi Kishore (up to 01-02-2014)
Associate Professor,
Dept. of ECE,
National Institute of Technology, Warangal.

Prof. G.R.K.Acharya (from 11-11-2013)
Department of Mathematics,
NIT, Warangal.

Sri A.Sarath Babu (from 02-02-2014)
Associate Professor,
Dept. of Chemical Engineering,
National Institute of Technology, Warangal.

SECRETARY

Prof. A. Ramachandra Reddy
Registrar I/c., NIT Warangal

6.2 Finance Committee

CHAIRMAN

Dr. Krishna M. Ella
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

Dr. D.Yogeswara Rao (from 12-06-2013)
Adviser,
Office of the Principal Scientific Adviser to
Govt of India,
Room No.313A, Vigynan Bhavan Annexe,
Moulana Azad Road
New Delhi 110 011

Prof. K.S.R. Krishna Prasad (up to 10-11-2013)
Dept. of ECE,
NIT, Warangal

Prof. G.R.K.Acharya (from 11-11-2013)
Department of Mathematics,
NIT, Warangal

MEMBER SECRETARY

Prof. A. Ramachandra Reddy
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 (up to 04-07-2013)
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. Janakiram Nanduri (from 17-06-2013)
Industrialist, 76, Surya Enclave,
Thirmulgherry,
Secunderabad 500 015

Sri M.V. Chalapathi Rao (from 05-07-2013)
Superintending Engineer,
HCEC-II
Central Public Works Department,
Nirman Bhawan, Sultan Bazar,
Hyderabad-500 095

Smt. N. Madhavi Sukanya (up to 26-07-2013)
Dy. Chief Engineer, HUDCO
O/o. Engineer-in-Chief (R&B)
Errummanzil,
Hyderabad

Sri T. M. Gamit (from 05-07-2013)
Superintending Engineer,
VCC,
Central Public Works Departments,
Vizag.

Smt. D. Asha Rani (from 27-07-2013)
Dy. Chief Engineer
O/o. Engineer-in-Chief (R&B)
Errummanzil,
Hyderabad

Sri P.Manickram (up to 04-07-2013)
Chief Engineer,
HCEC-II,
Central Public Works Department,
Nirman Bhawan, Sultan Bazar,
Hyderabad-500 095

Prof. N.V. Umamahesh
Dean, Planning & Development,
National Institute of Technology,
WARANGAL.

Shri N. Krishna Reddy (up to 26-07-2013)
Superintending Engineer (R&B)
Electrical Circle
Erramanzil
Hyderabad

Sri P. Harshavardhan Rao (from 27-07-2013)
Superintending Engineer (R&B)
Electrical Circle,
Erramanzil,
Hyderabad.

MEMBER SECRETARY
Prof. A. Ramachandra Reddy
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
P.Anand Raj
D. Ramaseshu
G. Rajesh Kumar
C.S.R.K.Prasad
Deva Pratap
Dr.M.Chandrasekhar

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

Mechanical Engg.
R.V. Chalam
K.Madhu Murthy
A.V.Narasimha Rao
L. Krishnanand
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
N.V.S.N.Sarma

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

Chemical Engg.
G. Venkat Reddy
R. C. Sastry
Y.Pydisetty
A. Venu Vinod

Computer Science & Engg.
T. Ramesh
DVLN Somayajulu
B.B.Amberker
S.G. Sanjeevi
K. Ramesh

Biotechnology
P. Nageswara Rao (Head I/c)

Mathematics
G. Radhakrishnamacharya
Y.N. Reddy
K.N.S. Kasiviswanadham
J.V.Ramana Murthy
Dr.Debashis Dutta

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

Chemistry
B. Venkata Appa Rao
A. Ramachandraiah
G.V.P. Chandramouli
I. Ajit Kumar Reddy
P. Nageswara Rao
K. Laxma Reddy
B.Rajitha
V.Rajeswara Rao

Humanities & Social Sciences
D.S. Kesava Rao

SOM
M. Ravinder Reddy

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:

Prof. T. Srinivasa Rao -- Chairman

Prof. A. Ramachandraiah -- Convener

Prof. GVS Nageswara Rao -- Co-Convener

Members

Dr. G. Malakondaiah Distinguished Scientist & Chief Controller, R&D (HR & M) Defence Research and Development Organization (DRDO) E-mail: gmalak123@gmail.com New Delhi, 110 011	**Dr. Arabinda Chaudhury** 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.
Dr. A. Veera Raghavan 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	**Dr. A. Veera Reddy** Vice President Suven Lifesciences Plot No. 18, Phase 3, Jeedimetla Hyderabad – 500 055. avreddy@suven.com 040-32923856; Mobile: 9392483004
Prof. BV. Appa Rao Department of Chemistry and Prof. in Charge, CII, MoUs and IPRs National Institute of Technology, Warangal – 506 004. (A.P.) E-mail: bva@nitw.ac.in	**Prof. CSRK Prasad** Professor, Dept. of Civil Engg. National Institute of Technology Warangal Warangal – 506 004. (A.P.) E-mail: csrk@nitw.ac.in Ph. No. 0870-2462117, Mobille:9491065002
Prof. MK Mohan Department of Metallurgy and Materials Engg. National Institute of Technology Warangal Warangal – 506 004. (A.P.) E – mail: mkmohan@nitw.ac.in Ph. No. 0870 - 2462510	**Prof. M. Sydulu** Department of Electrical Engg. National Institute of Technology Warangal Warangal – 506 004. (A.P.) E-mail: sydulumaheswarapu@yahoo.co.in Ph. No. 0870-2462210

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. K. Anand kishore	**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. P. Nageshwara Rao		**Chairman**
Sri K.V.R. Ravi Shankar	Assoc. Prof.	Member
Dr. M. Sydulu	Professor	Member
Dr. M.J. Davidson	Asst. Prof.	Member
Sri. K. Ravi Kishore	Assoc. Prof.	Member
Dr. T. Sunil Kumar	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. Raja Vishnathan	Asst. Prof.	Member
Dr. K. Francis Sudhakar	Asst. Prof.	Member
Sri. R. Sammi Reddy	Librarian	Convenor

OBC CELL

Dr. D. Dinkar	**Coordinator**

DISPENSARY COMMITTEE

Prof. S.V.S. Ramana Reddy	**Coordinator**

ACCOMMODATION COMMITTEE

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

GAMES COMMITTEE

Prof. R.C. Shastry	**Chairman**

ALUMNI AFFIRS COMMITTEE

Prof. C.S.R.K. Prasad	**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) and Handicapped students
- 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	2011-2012	2012-2013	2013-2014
I. Opening Balance:			
a) Cash in hand			
--- Main Cash Book	569553	153480	588918
--- Petty Cash Book	199699	192721	230
--- Imprest with Departments	205889	232889	262889
--- Fee Account	0	0	0
b) Bank Balances			
--- In Current Accounts	99331072	28938603	201502500
--- In Deposit Accounts	--	--	--
--- Savings Account	2784644	4817034	880920
II. Grants Received:			
a) From Govt. of India			
--- Towards Capital Fund			
--- Towards Revenue Exp.			
b) Grants received by TEQIP	447161825	901523291	795000000
c) Staff Subscription towards PF			
d) Institute Contribution towards PF			
e) Endowment fund received			
III. INCOME ON INVESTMENTS FROM:			
Earmarked/Endowment Funds	241468	261642	307830
Own Funds(other Inv) TEQIP	--	--	--
IV. Interest Received:			
a)On Bank Deposits	37824554	37921669	25993345
b) Loans, Advances etc.	--	--	--
V. Other Income(Specify):			
--- Rents from Hostels	20449076	11278101	
--- Licence Fee Staff Quarters	797657	22136506	
--- Rents from Guest House	443200	251700	
--- Revenue Receipts from UGC	159163131	296213340	164971801
--- Revenue Receipts from MCA	---	---	
--- Revenue Receipts from PGC	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	2268454435	2160895033	1064591643
--- Advances Accounts			
--- Other Items(St.Liabilities)			
--- Purchases Accounts			
	3084854348	**3488904513**	**2561372142**

(Amount in Rupees)

PAYMENTS	2011-2012	2012-2013	2013-2014
I. Expenses:			
a) Establishment Expenses	447186371	500257673	552124771
b) Administrative Expenses	203600953	256161625	92871774
II. PAYMENTS MADE AGAINST Funds for various Projects:			
--- Towards various funded accounts	185240281	254230485	18121253
III. Investments land deposits made:			
a) Out of Earmarked/Endowment Fund	25000	0	1545000
b) Out of Own Funds	2008264827	1802097848	494588412
c) Interest accrued on Investments	--	--	--
IV. Expenditure on Fixed Assets & CWIP:	45447606	90448047	85184790
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)	160754583	372223402	559934640
VIII. CLOSING BALANCES:			
a) Cash in hand			
--- Main Cash Book	153480	588918	1225156
--- Fee Account (Cash)	--	--	--
--- Petty Cash Book	192721	230	28330
--- Imprest with Departments	232889	262889	292889
b) Bank Balances			
--- In Current Accounts	28938603	208198540	38806470
--- In Deposit Accounts	--	--	--
--- Savings Account	4817034	4434856	916469
--- Cheques on hand	--	--	--
	3084854348	**3488904513**	**2561372142**

9.0 CENTRAL FACILITIES AND SERVICES

9.1 Computer Centre

1. INFRASTRUCTURE

A. LABORATORIES

S.No.	Name of Laboratory	Kind of Hardware	Number of Systems	Beneficiary Class
1	Computing Laboratory	**Dell Inc. Dell Optiplex 760:** Intel® Core™ 2 Duo CPU @ 3.00GHz, 4GB of RAM, 300GB HDD.	40	B.Tech./ M.Tech. Labs
2	CAD-I Laboratory	**HCL Info Systems Ltd:** Pentium® 4 CPU @ 3.06GHz, 1GB of RAM, 160GB HDD.	65	
3	CAD-II Laboratory	1) **Dell Inc. Dell Precision 490:** a) Intel® Xeon® CPU 5130 @ 2.00GHz, 1GB of RAM, 160GB HDD.	20	
		2) **Dell Inc. Dell Precision 390:** Intel® Pentium® 4 CPU@ 3.00GHz,1GB of RAM, 160GB HDD	25	
4	Programming Laboratory	**PCS Ltd.** Intel® Pentium ® 4 CPU @ 3.00 GHz, RAM 512 MB HDD 80 GB	52	
5	Language Laboratory	**PCS Ltd.** Intel® Pentium ® 4 CPU @ 3.00 GHz, RAM 512 MB HDD 80 GB	40	
6	Graphics Lab	**HCL Info Systems Ltd:** Pentium® 4 CPU @ 3.06GHz, 1GB of RAM, 160GB HDD.	50	
7	Dell Inc. Power Edge2900 (Servers)	Dell Inc. Power Edge 2900 Intel® Xeon® CPU X5460 @ 3.16Ghz, 8*4GB (32GB) of RAM, 1.8TB HDD	3	

B. HARDWARE CONSOLIDATED

S. No.	Processor	Number of Systems	OS Loaded	RAM	Beneficiary Class
1	Intel® Core™ 2 Duo	40	Windows Xp	4GB	B.Tech/MTech
2	Intel® Xeon®	20	--do—	1GB	
3	Intel® Pentium® 4	180	--do—	1GB/ 512MB	
4	Intel® Pentium® 4	52	Linux	512MB	
5	Intel® Xeon® CPU X5460 (Servers)	3	Windows 2003/2008 Servers	8*4GB (32GB)	

C. SOFTWARE CONSOLIDATED (Costing Less than Rs 25000 per user)

S.No.	Name of Software Loaded (Other than OS)	OS Platform	Number of Systems	Main Application	Anti Virus Loaded
1	➢ Ansys	Windows Xp	40	For Conducting Lab Classes For B.Tech./ M.Tech.	Not Loaded
2	➢ MatLab	--do--	50		
3	➢ CreO 5.0 / ProE 4.0 ➢ AutoCad	--do--	50		
4	➢ Visual Basic 2006 ➢ Turbo C ➢ Aspentech ➢ Intelligen Superpro Designer V8.5 ➢ Smart Draw ➢ NCH Software Suite ➢ Active Perl 5.12.2 Build ➢ Spice Work ➢ Microsoft Office 2003 ➢ Catalyst 4.3	--do--	Remaining system		McAfee
5	C/C++, & JAVA	Linux	52		

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

S.No.	Name of Special Software Loaded (Other than OS)	OS Platform	Number of Systems	Main Application	Anti Virus Loaded
1					

E. SUPPORTING AND PERIFERAL HARDWARE

S.No.	Peripheral Type (Printer, Multimedia, Web-cam, etc)	Number	Systems Connected to Peripheral	Remarks
1	Canon 2420L	1	4	Office Use

F. NETWORKING AND INTERNET

S.No.	Network Group	Number Networked	Whether Internet Connected	Remarks
1	NITW	250	Yes	

2. UTILITY CONSOLIDATION

S.No.	Name of the Class	Turns Per Week	Lab Engaged	Teacher-in-Charge (Class)
1	Building Drawing			Dr. Subhash Chandrabose
2	Machine Drawing			Dr. Srikanth
3	Simulation			Dr. V Hari Kumar
4	CAA Lab.			Dr. V Hari Kumar
5	CFD			Prof. Gupta
6	Rapid Prototype			DR. VRK Raju Dr. Y Ravi Kumar

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 1,73,114 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. 7.90 crores.

ADDITIONS TO THE LIBRARY DURING THE YEAR 2013-14:

During the year 3,659 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 01.07.2013 to 30.04.2014	Rs. 42,90,165=00
Expenditure on Journals from 01.07.2013 to 30.04.2014	Rs. 8,95,162=00
Online E-Journals for the year 2014	Rs. 1,40,46,118=00
Book Bank for Needy Students total investment upto 30.04.2014	Rs. 7,22,148=00
Book Bank for SC/ST student's total investment up to 30.04.2014	Rs. 22,10,121=00
Book Bank for BCWD students up to 30.04.13	Rs. 3,15,273=00
Book Bank for SC students up to 30.04.2014	Rs. 2,81,499=00
Book Bank for ST students upto 30.04.2014	Rs. 3,35,641=00
Expenditure of IT infrastructure, furniture and equipment,	Rs. 1,07,485=00
Others, etc	Rs. 29,744=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 Indians, 90 are received from foreign. All the current periodicals are displayed on the periodical racks in the reading hall with a seating capacity of 100.

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

Newspapers:

The Library receives 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. 6,065 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 1,80,765 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 fiber 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 1000 online Journals. Its head quarters are at I.I.T., Delhi. The on-line Journals that are available through INDEST are:

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

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
- IEEE / IEE Electronic Library 220 nos
- Royal Society of Chemistry (Gold)
- Complete J-Gate with Journals Customs Content Consortia (Resource Sharing)

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 display 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 (Officiating)
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.



स्कूल ऑफ़ मैनेजमेंट में CIRA के उद्घाटन
School of Management - Inauguration of CURA - 2014



SC / ST सेल से आयोजित शोध प्रक्रिया व विद्वान लेखन स्किल्स का वर्कशॉप
Workshop on Research Methodology and Scholarly writing skills
Organized by SC/ST Cell

सिविल इंजीनियरिंग विभाग
DEPARTMENT OF CIVIL ENGINEERING



कंसोलिडेशन एपरेटस
Consolidation Apparatus



सरवर वर्क स्टेशन्स
Server Workstations Systesm CAGS



मिस्ट
MIST



प्रेशर एजिंग वेसल
Pressure Ageing Vessel

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.)
- Electronic Digital Direct Shear
- Gravity Sediment Corer
- Precision Turbidity and Free/Total Chlorine Meter
- Research Grade Bench Top ISE Meter
- Workstations (Two)
- GIS software
- Photogrammetry and Image Processing software and accessories (Five Licenses) NVIDIA 3D Vision Kit (Two), 3D Monitors and IR Emitters (Two)
- 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
- WebGIS software
- Data Acquisition System
- Large capacity vacuum pycnometer set
- Video camera with tripod (3 No.s)
- Data Acquisition System
- Ultrasonic Tester
- NDT Hammer

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
- Scientific Function GeneratorsSM 5071,
- Scientific Power supply units PSD 3203,
- 100 MHZ Digital storage oscilloscopes
- Desktop computers
- 51/2 digit Table top DMMs
- 1500 W High power programmable DC Power supplies
- Multi-channel Digital storage oscilloscopes
- 3 –phase Induction motors
- Solar PV research cum training simulator
- 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
- 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
- dSpace system with MATLAB
- Portable analog metrs
- Current probes
- Function generators
- DigSilent software

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

इलेक्ट्रिकल व इलेक्ट्रॉनिक्स इंजीनियरिंग विभाग
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



FC-TCR के माध्यम से रिएक्टिव पावर कंपनसेशन ट्रांसमिशन
Reactive Power Compensation of long transmission line using FC-TCR



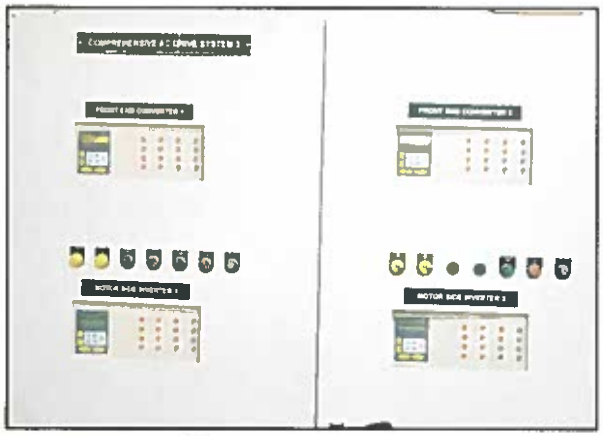
पि वि ऐरे विशेष लक्षण
Characteristic of PV array



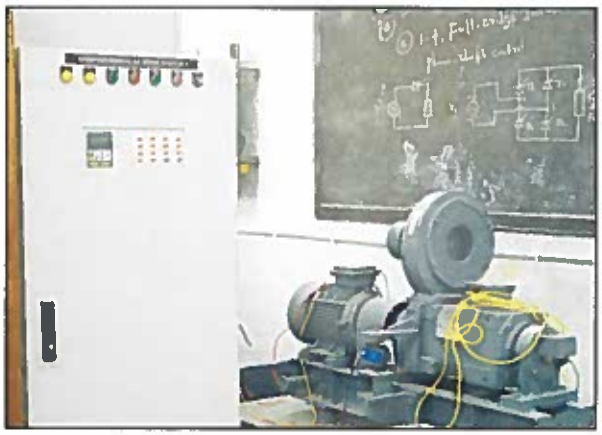
कम्प्रेहेंसिव AC ड्राइव सिस्टम 1
Comprehensive AC Drive System 1



कम्प्रेहेंसिव AC ड्राइव सिस्टम 2
Comprehensive AC Drive system 2

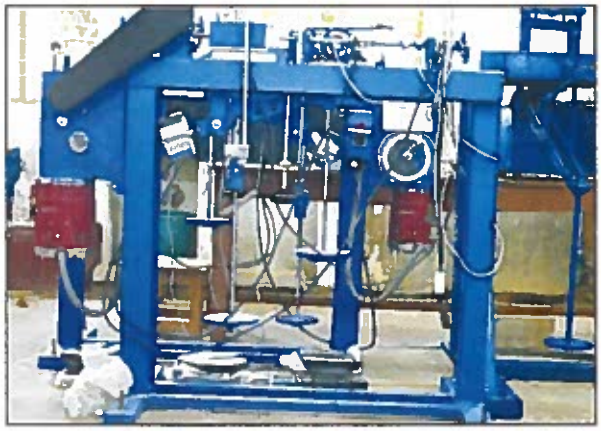


कम्प्रेहेंसिव AC ड्राइव सिस्टम 3
Comprehensive AC Drive system 3



कम्प्रेहेंसिव AC ड्राइव सिस्टम 4
Comprehensive AC Drive system 4

मैकेनिकल इंजीनियरिंग विभाग
DEPARTMENT OF MECHANICAL ENGINEERING



डायरेक्ट शेयर
Direct Shear



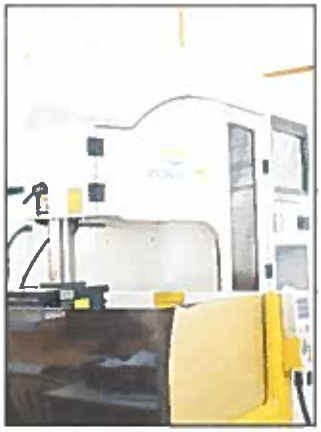
सोलर फ्लैट कलेक्टर आर्टिफीसियल सूर्य कांति के साथ
Solar Flat Plate Collector with Artificial Sunlight



सूर्य कांति तरंग कलेक्शन ट्रैकर के साथ
Solar Trough Collector with Tracker



ट्रायानियल
Trianial



वायर कट EDM
Wire Cut EDM



NFTDC के साथ समझौता
MoU with NFTDC

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
- 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

- 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
- 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

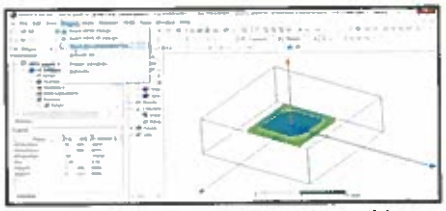
Laboratories:

- 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)

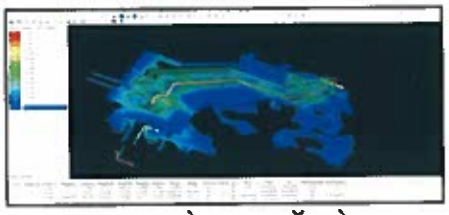
Major Equipment

- 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
- Xilinx Zynq FPGA (video & Imaging kit)
- 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
- HP Desktop Systems (40)

इलेक्ट्रॉनिक्ट व कम्युनिकेशन इंजीनियरिंग विभाग
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



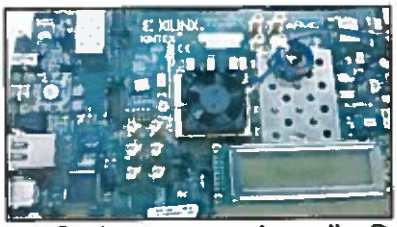
HFSS 15 सिमुलेशन सॉफ्टवेयर पैकेज
HFSS 15 Software Simulation Package



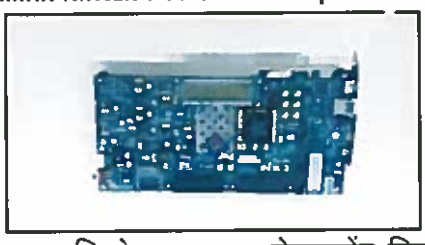
IE3D फुल्वेव 3 D सॉफ्टवेयर
IE3D SSD Fullwave 3D Software



मिक्रोवेर इक्विपमेंट
Microware Equipment



Xilinx किन्टेक्स 7 FPGA डेवलपमेंट किट
Xilinx Kintex 7 FPGA Development Kit



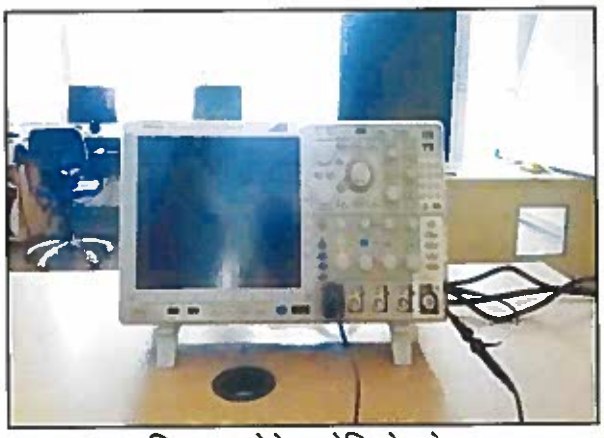
Xilinx किन्टेक्स 7 FPGA डेवलपमेंट किट
Xilinx Kintex 7 FPGA Development Kit



USRP



USRP



मिक्सड डोमेन ओसिलोस्कोप
Mixed Domain Oscilloscope



रोटरी इनवर्टेड पेंडुलम
Rotary Inverted Pendulum

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
- Purchased 40 HCL laptops and 7 Tablet PCs
- COGNOS, Clementine
- One Xeon Based Server, 10 Workstations and 25 Desktop Systems with 3D Graphics
- Six ACs are procured and installed for HPC Lab.

CHEMICAL ENGINEERING

Laboratories:

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

Major Equipment:

- Hot-wire Anemometer
- Spray Tower
  Shell and tube heat exchanger
- PID Controller Simulator Trainer
- Processor Control Simulator Trainer
- Reactive Destillation
- Adiabatic Batch Reactor
- Combined flow reactor
- Cascade Reactor
- Fluidized bed bio reactor
- Gas Chromotograph
- ASPEN PLUS software
- Prosimulator Software
- Rheometer
- pH/ORP/ISE/Conductivity/DO:
  Bench Top Ion Meter
- Acer Netbook
- Ultra Sonicator
- MATLAB (Software)
- COMSOL (Software)
- ANSYS ACADEMIC CFD Software – 5 Licenses with 16 HPC licenses
- gPROMS
- Single Effect Evaporator
- Horizontal and vertical condenser Process Trainer
- Programmable Function Generator
- Diffusivity Apparatus
- Aspen Plus Simulation Software
- Flue gas Analyzer
- Fermenter
- Computer Control of Temperature level and flow processes
- Tubular Reactor
- Embulsion Polymerization Reactor
- Semi batch Reactor
- High performance Liquid Chromotograph
- UV Visible spectrophotometer
- CHEMCAD software
- CFX software
- Fluidized Bed Combustor
- 5 KVA UPS System
- Ultrasound Atomizer
- Ultrasound Probe

केमिकल इंजीनियरिंग विभाग
DEPARTMENT OF CHEMICAL ENGINEERING



प्रेशर तुलमान अपपरतस
Pressure Measurement Apparatus



तीन टैंक सिस्टम
Three Tank System



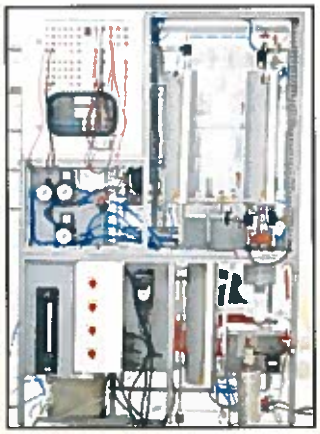
एडवांस्ड फ्लो रिएक्टर के उद्घाटन
Inauguration of Advanced Flow Reactor



केमिकल एंड वायो प्रोसेस इंजीनियरिंग के अंतर राष्ट्रीय कोन्फेरेंस
International conference on Chemical and Bioprocess Engineering



एडवांस्ड फ्लो रिएक्टर के वर्कशॉप
Workshop on Advanced Flow Reactors



यूनिवर्सल प्रोसेस ट्रेनर
Universal Process Control Trainer

मेटलर्जिकल व मैटेरियल्स इंजीनियरिंग विभाग
DEPARTMENT OF METALLURGICAL AND MATERIALS ENGINEERING



स्कैनिंग इलेक्ट्रान माइक्रोस्कोप
Scanning Electron Microscope



गोल्ड व कार्बन कोटर
GOLD and Carbon Coater



X-Ray डिफ़्फरक्शन सिस्टम
X-Ray diffraction System



हाइड्रलिक प्रेस
Hydraulic Press

METALLURGICAL AND MATERIALS ENGINEERING

Laboratories:

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

Major Equipment:

- 20 ton Universal Testing Machine
- SHIMADZU Micro hardness Tester HMV 2000
- X-Ray Diffraction system (PANalytical) (Model: X'PERT Powder)
- Pin-On-Disc Wear Testing Machines
- Thermogravimetric Analyzer (CHAN-131)
- Digital Microbalances
- Polymeter Extruder
- Multifle Furnace upto 1400°C
- Vickers Hardnes Tester
- Thermocalc Sofate
- DICTRA software
- Metallographic Work Station
- Binocular Upright Metallurgical Microscope
- Surface Roughness Tester
- Virtual Casting Simulation Software
- Hydraulic press for powder compaction (30T)
- 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
- 2 ton Hounsfield Tensometer
- Scanning Electron Microscope with EDS facility (TESCAN – VEGA 3LMU)
- Fluidized Bed Furnace
  Creep Testing
- Plus TIG Unit
- SHIMADZU Computer Controlled Universal Testing Machine (250 kN)
- Metallurgical Microscope with Image Analyser
- Lab Model Ball Mill
- Tube Furnace up to 1000°c
- Digital Rockwell Hardness Tester
- TCC + TCW Software package site license
- Foundry Sand Testing Unit
- Impact Testing Machine (AIT-300N – Hitech India Equipments Pvt Ltd)
- Pulveriser
- Dry Erosion Tester
- Electrochemical Workstation (Galvanostat / Potentiostat), Model No.: CH604D
- Digital balance of accuracy ±0.01mg
- Rockwell Hardness Testing Machines (2 No's), (MRS – Hitech India Equipments Pvt Ltd)
- Constant Temperature Bath (Tempo – Tempo Instruments and Equipments (I) Pvt Ltd)
- High Temperature Furnace – RS Enterprises
- Oven – Instruments & Equipments Ltd
- Digital Balance – AND GR-200

BIOTECHNOLOGY

Laboratories:

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

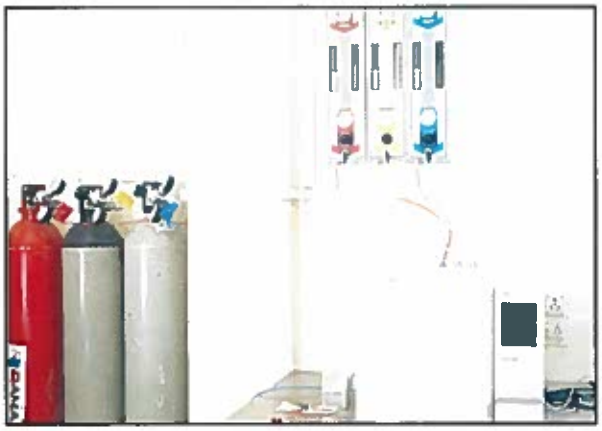
Major Equipment:

- Atomic Force Microscope
- High Performance Liquid Chromatograph
- Fourier Transform Infrared Absorption
- UV-Visible Spectrophotometer
- Research Grade Optical Microscopes
- Ultra Deep Freezer
- Autoclave
- Packed Bed Bioreactor
- Biosafety Cabinet
- CO_2 Incubator
- Scanning Tunneling Microscope
- Gas Chromatograph
- Spectrophotometer
- Flame Photometer
- Fermenter Bioreactors
- Laminar Airflow
- VLife MDS, Bioinformatics Software
- SuperPro Designer 8.0, Software
- Inverted Microscope

बायो टेक्नोलोंजी विभाग
DEPARTMENT OF BIO-TECHNOLOGY



फ़ास्ट प्रोटीन लिक्विड क्रोमैटोग्राफी
Fast Protein Liquid Chromatography



गैस क्रोमेंटोग्राफ
Gas Chromatograph



ऊँचे क्षमता लिक्विड क्रोमैटोग्राफी
High Performance Liquid Chromatography



सही समय PCR
Real Time PCR

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
- SLD light Source (1310 & 1550 nm)
- Fiber Optic Fusion splicer
- Optigrating 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
- ASE White light Source (1525 – 1610 nm)
- Tubular furnace
- High temperature Muffle Furnace

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
- Magnetic Susceptibility Setup
- Thermo 600 UV-VIS Spectrophotometer (with Reflectance attachment)
- High-Performance Liquid Chromatography (HPLC) Analyzer
- 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
- Ion selective electrodes
- Chiral HPLC columns
- Vacuum pump (Rotary evaporator)
- Hydrogenation apparatus

रसायन शास्त्र विभाग
DEPARTMENT OF CHEMISTRY

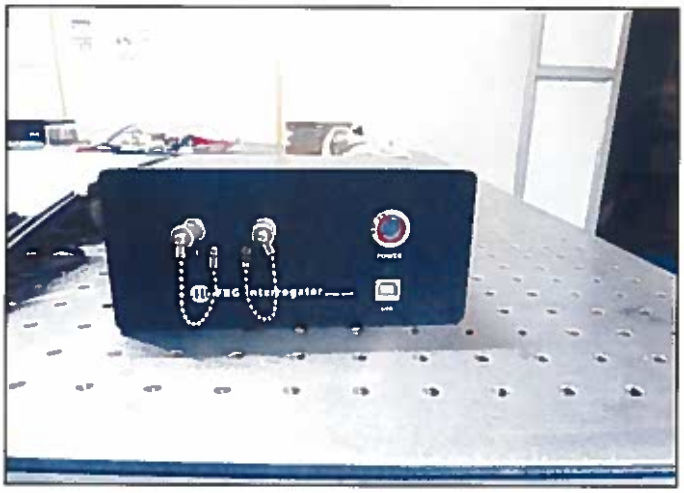


FTIR स्पेक्ट्रोमीटर
FTIR Spectrometer



HPLC

भौतिक शास्त्र विभाग
DEPARTMENT OF PHYSICS



FBG इन्टेरोगातर
FBG Interrogator



माइक्रो हीटर
Micro Heater



अल्ट्रा लो कांस्टेंट टेम्परेचर लइकिड वाथ
Ultra-low constant temperature liquid bath

MATHEMATICS

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 three Medical Officers: on contract basis

1. **Dr. K. Thirupathi Reddy**
2. **Dr. S.M. Srivastava**
3. **Dr. K. Anitha Kumari**

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
(see 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	P.Rathish Kumar	Heritage Schholarship under Erasmus Mundus Faculty Mobility Scheme for a period of One Month (September-October 2013) at Instituto Superior Technico, Portugal.
2	P.Rathish Kumar	Aftab Mufti Medal(December 2013) for contribution on Detection and localization of small damages in a real bridge by local excitation using piezoelectric actuators

2. EXTENTION / EXPERT / INVITED LECTURES DELIVERED ELSEWHERE

Sl. No.	Name of the Faculty	Lecture Title	Place	Dates
1	K.V.R. Ravi Shankar	Intricacies of traffic flow simulation using VISSIM/VISWALK/VISUM	VNRVJIET, Hyderabad	May 20-22, 2013
2	Venkaiah Chowdary	Road Construction Materials: Testing Methods	Panchayat Raj Engineering Department, Hyderabad	July 05-06, 2013
3	Dr. M. Chandra Sekhar		ESCI, Hyderabad	01st August 2013
4	Prof P. Anand Raj	Impact of Climate Change on River Basin Management	Aurangabad	16th August 2013
5	Prof. C.B. Kameshwarara Rao	Seismicity- Robustness and Design of Buildings considering Progressive collapse	Hyderabad	27th Sept., 2013
6	Prof P. Anand Raj	Sustainable Water Resource Development and Management	Govt. College of Engineering, Aurangabad	30th September - 1st October, 2013
7	Prof. K. V. Jaya Kumar	Recent Innovations in Civil Engineering	PDA College, Karnataka	25th October 2013
8	Prof. N. V. Uma Mahesh	Sustainable Urban Water Management	IGIDR, Mumbai	28th -30th October 2013
9	Dr. M. Chandra Sekhar	Water Quality Monitoring and Surveillance.	ESCI, Hyderabad	28th Nov. 2013.
10	Prof. K. V. Jaya Kumar	Climate Change for Sustainable Management	Hyderabad	06th Dec. 2013
11	Venkaiah Chowdary	Bituminous Material Characterization	NIT, Warangal	December 13-14, 2013
12	Venkaiah Chowdary	Design of Flexible Pavements Using IRC Method	NIT, Warangal	December 13-14, 2013
13	Prof. C. B. Kameshwara Rao	Health Monitoring of Reinforced Concrete Structures for Sustainability	KITS, Warangal	27th December 2013
14	Dr. K.V.R. Ravi Shankar	Use of tool kit	IUT, New Delhi	06th -07th January 2014
15	Dr. G. Rajesh Kumar	Advances in Construction Materials and Techniques	B.N. College, Maharastra.	08th- 10th January 2014.
16	Prof. K. V. Jaya Kumar	Kerala Science Congress	Wyanad, Kerala	28th January 2014
17	Prof. D. Rama Seshu	Special Concretes	JNTUK, Kakinada	07th February 2014
18	Prof. N. V. Uma Mahesh	Sustainable Water Management	MVGRCE, Vizianagaram	21st February 2014
19	S. Shankar	Highway geometrics design	Arvindaksha College of Engg., Suryapet	February 28, 2014

20	Dr. M. Chandra Sekhar	Design, Operation and Maintenance of STPs/ CETPs and CBMWTF	ESCI, Hyderabad	10th March 2014
21	C B K Rao	Properties of Ductile Concretes- ECC and GFRC	CBIT, Hyderabad	13th & 14th March, 2014
22	C B K Rao	Behaviour of Ferrocement under Load	Chennai	15th March, 2014
23	Prof. K. V. Jaya Kumar	Challenges and Perspectives in Conservation of Water in Urban Areas of Andhra Pradesh	Central Ground Water Board, Hyderabad	20th March 2014
24	Venkaiah Chowdary	Advances in Pavement Engineering	K. L. University, Guntur.	March 21-22, 2014
25	Prof. K. V. Jaya Kumar	Water and Energy	WALAMTARI, Hyderabad	22nd March, 2014
26	S. Shankar	Civil engineering opportunities and challenges	Sana College of Engg., Kodad	March 22, 2014
27	Dr. M. Chandra Sekhar	Environmental Sanitation including Solid, Liquid Waste Management	ESCI, Hyderabad	26th March 2014
28	C B K Rao	Recent Advances in Construction Materials	KITS, Warangal	
29	P.Rathish Kumar	Forensic Engineering	Instituto Superior Technico, Portugal	1st Oct 2013
30	P.Rathish Kumar	Advanced Concrete Technology	Instituto Superior Technico, Portugal	3rd Oct 2013
31	P.Rathish Kumar	NDT and Rehabilitation of structures	Instituto Superior Technico, Portugal	29th Sep 2013
32	N V Umamahesh	Impact of Climate Change on Hydrology and Water Resources	College of Engineering, Osmania University	22.03.2014

3. CONFERENCES / SYMPOSIA SESSIONS CHAIRED

S. No.	Name of the Faculty	Event Title	Place	Dates
1	Dr. D. Ravi Prasad	SCMAT - 2013	NIT, Warangal	15-16 March 2013
2	Dr. M. Chandra Sekhar	International Conference on Emerging Trends in Civil Engineering.	VNR VJIET, Hyderabad	06th January 2014
3	Dr. C.S.R.K. Prasad	Transportation Young Researchers Symposium	NIT, Warangal	March 27 to 29, 2014
4	Dr. Venkaiah Chowdary	Transportation Young Researchers Symposium	NIT, Warangal	March 27 to 29, 2014
5	Dr. K.V.R. Ravi Shankar	Transportation Young Researchers Symposium	NIT, Warangal	March 27 to 29, 2014
6	Dr. S. Shankar	Transportation Young Researchers Symposium	NIT, Warangal	March 27 to 29, 2014
7	Mr. Sasanka Bhushan	Transportation Young Researchers Symposium	NIT, Warangal	March 27 to 29, 2014
8	P.Rathish Kumar	National Conference on Sustainable Construction Materials and Technologies (SCMAT 2013), organized by the Department of Civil Engineering, NIT Warangal	NIT Warangal	15-16 March, 2013
9	N V Umamahesh	Silver Jubilee Conference on Cities and Sustainability	IGIDR, Mumbai	29-30, October, 2013
10	K V Jayakumar	International Conference on Innovations and Research in Civil Engineering	Gulbarga	28-29 Oct, 2013

4. INTERNATIONAL VISITS

S. No.	Name of the Faculty	Countries Visited	Organisations Visited	Dates
1.	Dr. P. Hari Prasad Reddy	U.S.A	University of Texas, Arlington	1st -30th June 2013
2	Prof. C.S.R.K. Prasad	USA	• Stanford University, San Francisco, California • University of California at Berkeley, San Francisco, California • University of Southern California, Los Angeles • University of California, Los Angeles • Arizona State University, Phoenix • Illinois Institute of Technology, Chicago • University of Virginia Tech, Washington • Stevens Institute of Technology, New York • New York Polytechnical University, New York	April 11 – 28, 2013
3	S Venkateswara Rao	Lisbon, Potrtugal	Instituto Superior Técnico (IST), Technical University of Lisbon, Portugal.	1st September to 1st October, 2013
4	P.Rathish Kumar	Lisbon, Portugal	Instituto Superior Technico, Portugal	Sep-Oct 2013
5	P.Rathish Kumar	Hongkong	Hongkong Polytechnic University and SHMII Meeting	9-11 Dec, 2013
6	Dr. K. Venkata Reddy	Texas, USA	Texas A&M Univ., Texas, USA	15.7.2013 – 16.1.2014
7	Dr. Deva Pratap	Texas, USA	Texas A&M Univ., Texas, USA	10.12.2013 – 10.01.2014

5. RESEARCH AND CONSULTANCY EXPERTISE

A. Research Areas Active in

Environmental Geotechnics, Soil Structure Interaction, Ground Improvement, Expansive soils, Geosynthetics, Recycle Aggregates and pavement applications, Soft Clay Engineering, Constitutive modelling of soil behaviour, Seismic hazard Analysis, Soil Dynamics, Computational Fluid Dynamics (CFD) and Environmental Fluid Mechanics
Area Traffic Management Measures, Capacity Analysis of Highways, GIS for Transportation

Mass Transportation Planning, Mixed Traffic Flow Modelling, Pavement Material Characterization, Pavement Performance Evaluation, Pedestrian Behavioural Analysis

Transport Corridor Management, Road Safety, Urban Transportation Planning

Self Compacting Concrete, Self Curing Concrete, Structural Health Monitoring, Recycled Aggregate for construction, Rehabilitation of structures

B. Consultancy Capabilities in

Ground improvement and other remedial measures for geotechnical problems related to expansive soils, design of shallow and deep foundations, design of reinforced earth structures using geosnthetics, Pavement Evaluation and Design, Pavement Material Testing, Traffic Signage and Marking Strategies, Evaluating Structural soundness of buildings, analysis and design of buildings for earthquake resistance, Vetting of structural designs of barrages etc done as in 2013-14.

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	Digital direct Shear apparatus (two numbers)		HEICO	7 lakhs	Determination of shear strength parameters for cohesive and cohesionless soil
2	Research Grade ISE Meter	HI4522	Hanna	4,74,715/-	For Analysing ions concentration
3.	Spectrophotometer	SMART Spectro	LaMotte	1.68 lakhs	Analysis of environmental pollutant concentrations
4	Electronic weighing balance, 32 kg, 0.1g	BW32KH	Shimadzu, Japan	2,03,009	Used to weight various materials in the laboratory
5	Dynamic Shear Rheometer	MCR 52	Anton Paar	14,23,125	Used to perform rotational (flow, creep, stress relaxation), and oscillatory (stress, strain, multi-wave) tests on asphalt binders
6	Bitumen Emulsion Distillation Apparatus	81-B0153	Controls	1,31,713	Used to determine the proportion of residual bitumen
7	Bitumen Emulsion Particle Charge Tester	81-B0129	Controls	1,22,568	Used to determine the particle charge of bitumen emulsion
8	Fume Hood	Modern Lab Interio	Modern Lab Interio	1,99,200	Used as working platform to heat asphalt, asphalt mixes and to blow out asphalt fumes
9	Laboratory Jaw Crusher	EIE	EIE	1,03,425	Used to crush aggregate to the required sizes

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 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 Infra structure 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	C.S.R.K. Prasad	Professor	Academic Nodal Officer of TEQIP-II	2010 onwards	
2	C.S.R.K. Prasad	Professor	Head of the Department of Civil Engineering	10.01.2012	30.06.2013
3	C.S.R.K. Prasad	Professor	Professor In-charge, International Relations and Alumni Affairs	27.06.2013 onwards	-
4	C.S.R.K. Prasad	Professor	Member, Research Advisory Committee	01.07.2013 onwards	-
5	Venkaiah Chowdary	Assistant Professor	Faculty In-charge of "Transportation Engineering Laboratory", Department of Civil Engineering	July 2012 onwards	
6	Venkaiah Chowdary	Assistant Professor	Consultancy Works Co-ordinator of Transportation Division, Department of Civil Engineering	August 2013 onwards	-
7	Venkaiah Chowdary	Assistant Professor	Faculty In-charge to "monitor the renovation of toilets and laying roads at the Institute"	May 2013	December 2013
8	Venkaiah Chowdary	Assistant Professor	TEQIP-II Co-ordinator of the Department of Civil Engineering	July 2013 onwards	
9	S Venkateswara Rao	Assistant Professor	Hostel Warden	July,2012	Till date
10	P.Rathish Kumar	Associate Professor	Member of the quality control inspection team of NIT Warangal	April 2013	Till Date
11	P.Rathish Kumar	Associate Professor	Faculty Coordinator for Honey Bee network activity	Aril 2013	Till date

10. ADMINISTRATIVE ROLES

A. DEPARTMENTAL

Sl. No.	Role	Faculty-in-charge	Term
1	Committee member for NBA activities	D.Ravi Prasad	
2	Faculty in-charge for annual reports	D.Ravi Prasad	2 years
3	Faculty in-charge for Structural Dynamics Laboratory	D.Ravi Prasad	Since Nov 2013
4	In Charge Environmental Engineering Laboratory	Ajey Kumar Patel	01-11-2013 to till date
5	Computer Centre: Transportation Division	K.V.R. Ravi Shankar	
6	Member NBA Departmental Committee	K.V.R. Ravi Shankar	
7	Member: CED Computational lab	K.V.R. Ravi Shankar	
8	T & P Coordinator	S Venkateswara Rao	
9	Head, Structures Division	Structures Division	Two Years from Nov 2013
10.	Coordinator, M. Tech. EE Program	Dr. M. Chandrasekhar	Since 17.07.2012
11.	In-charge, Surveying Laboratory	Dr. M. Shashi	Since July 2012-till date

B. INSTITUTIONAL

Sl. No.	Role	Faculty-in-charge	Term
1	In-charge, Project Engineer Office	M. Heeralal	Since June 2013
2	In Charge Quiz Club	Ajey Kumar Patel	July, 2012 to till date
3	Library Committee Member Civil Engineering Department	K.V.R. Ravi Shankar	
4	Faculty In-Charge Project Engineer's Office	Dr. P. Ratish Kumar	Seven Months till May 2013
5	Associate Dean, Admissions	Dr. P. Ratish Kumar	From May 2013 for two years
6	Professor In-charge, T&P Section	Dr. M. Chandrasekhar	17.07.2012 to 25.04.2014

11. ANY OTHER SIGNIFICANT INFORMATION

Involved in the development of Toolkit on "Urban Road Traffic Systems (Planning, Design and Evaluation)" under "Sustainable Urban Transport Project", Ministry of Urban Development, Government of India, 2012-2013. (Prof. C.S.R.K. Prasad, Prof. T.V. Ramanayya, Dr. D.S.N.V. Amar Kumar, Dr. K.V.R. Ravi Shankar, and B.V. Jogarao)

Prof. K. V. Jayakumar has been appointed as a member of the Indian National Committee on Groundwater (INCGW), Ministry of Water Resources, GoI, under the category of eminent academician

ELECTRICAL ENGINEERING DEPARTMENT:

1. ACHIEVEMENTS / AWARDS / INNOVATIONS

S.No	Name of the Faculty	Nature of the Achievement/ Award / Innovation
1	Prof. M Sydulu	POSOCO(Power System Operation and Control Corporation) POWER SYSTEMS AWARD(PPSA-March 2013) for the M.Tech thesis titled Optimal Placement and Sizing of Dispersed Generation in Distribution Systems for Power Loss Reduction using Meta-Heuristic Techniques, Viswa Teja-102129 under the guidance of Prof.M.Sydulu.
2	Dr. G Siva Kumar	POSOCO Power System Award (PPSA-2013), awarded by FITT IIT Delhi and POWERGRID for the PhD work.
3	Sri.Perumalla Chandrasekhar	POSOCO Power System Award (PPSA-2013), awarded by FITT IIT Delhi and POWERGRID for the PhD work.
4	Dr. Sachin Jain	Selected and completed Erasmus Mundus Heritage faculty mobility project (University of Seville, Spain)

2. EXTENTION / EXPERT / INVITED LECTURES DELIVERED ELSEWHERE

Sl. No.	Name of the Faculty	Lecture Title	Place	Dates
1	Prof. M Sydulu	Distribution System Studies with DG units	Kakathiya Institute of Technology and Science Warangal, AP, AICTE sponsored Faculty Development Programme on " Micro Grid and Distributed Generation"	31st October 2013
2	Prof.V.T.Somasekhar	Introduction to Multilevel Invertion with open end winding Induction Motor	MJ College of Engg & Technolgy, Hyderabad	16th January, 2014
3	Prof.V T Somasekhar	Origination, Proliferation and destiney of Power Electronics	CVR College of Engineering, Hyderabad	05th February, 2014
4	Dr. N Vishwanathan	DSP Application to Industrial Drives	Vaagdevi College of Engineering, Warangal	25-26 November, 2013
		Resonant Converters	PVP Sidhartha Institute of Technology, Vijayawada	20th February, 2014
5	Dr. P. Suresh Babu	Protection of Large Interconnected Power Systems	Sir CR Reddy college of Engineering, Eluru, AP.	24th January 2014

6	Dr. Narasimharaju B L	Power Quality Issues	Kakathiya Institute of Technology and Science Warangal, AP, AICTE sponsored Faculty Development Programme on " Micro Grid and Distributed Generation"	01st November 2013
7	Dr. Narasimharaju B L	Non-linear Loads and Power Quality Issues	Vignan University, Guntur, AP, National Conference on "Emerging and Innovative Trends in Power Electronics".	28th September 2013
8	Dr. Narasimharaju B L	Modeling and Feedback Compensation of DC-DC Converter	NIT Warangal, TEQIP Sponsored Three day workshop on Power Control and Energy Management	11th May 2013,
9	Dr.Sachin Jain	Wind Systems Switching functions	Andhra University, Vishakapatnam	22-23, November 2013
10	Sri.Perumalla Chandrasekhar	Smart Transmission Grid Challenges – Role of Power Electronic Controllers	CPRI Bangalore	20-21, March 2014

3. CONFERENCES / SYMPOSIA SESSIONS CHAIRED

S. No.	Name of the Faculty	Event Title	Place	Dates
1	Dr. P Suresh Babu	National Conference on Power System Control Operation and Maintenance(PSCOM-2014)	Sir CR Reddy college of Engineering, Eluru, AP.	24-25, January 2014.
2	Dr. Narasimharaju B L	National Conference on "Emerging and Innovative Trends in Power Electronics".	Vignan University, Guntur, AP,	28th September 2013
		National Conference on Technological Advances in Electronic System Design(NCTAESD 2014)	Vemana Instt of Technology, Bangalore.	25th April 2014
3	Dr. Udaya Bhasker Manthati	International conference on power, signals, control & computations (reviewer)	Kerala	9-11, January 2014

4. INTERNATIONAL VISITS

S. No.	Name of the Faculty	Countries Visited	Organisations Visited	Dates
1.	Sachin Jain	Spain	University of Seville	1-03-2014 to 31-03-2014

5. RESEARCH AND CONSULTANCY EXPERTISE

A. Research Areas Active in

S.No	Name of the Faculty	Research Expertise
1	Prof. M Sydulu	Real-Time Control of Power Systems, Artificial Neural Networks, Fuzzy Logic, Genetic Algorithm, PSO, Tabu & Simulated Annealing Technique applications for Power System, Distribution System Planning and Control, Reactive Power Planning and Control, Optimal Power Flows, Deregulated power systems, Nature and Bio-Inspired Algorithms for Power System Optimization Problems
2	Prof. D V S S Siva Sarma	Power Quality/ Power System Protection/ Condition Monitoring / Power System Transients.
3	Prof. B K Murthy	Wind and Solar Energy
4	Prof. V T Somasekhar	Multilevel Inversion and Open-end winding induction motor drives
5	Prof. N Vishwanathan	Induction Heating Applications and LED Lighting
6	Dr. S Srinivasa Rao	Power Converters, Induction Motor Drives and Renewable Energy Systems
7	Sri. Ch Venkaiah	Application of Optimization Techniques in Power Systems
		Technology based Entrepreneurship Development among Engineering students
8	Dr. M Sailaja Kumari	Restructured Power Systems and Renewable Energy Grid Integration Issues.
9	Sri. B Nagu	Power System stability & HVDC controls and AI Techniques
10	Sri. Y Chandrasekhar	Distribution system planning, Distribution generation and Optimization techniques in power systems, Multi Objective Optimization.
11	Sri. Ch Ramulu	Multi-Level Inverter Fed Open end Induction Motor Drive
		Power Electronics Applications to Renewable Energy Source Conversion systems (PV-Source)
		Design , Modelling, and Simulation of Power Converters
		PWM Control Techniques
12	Dr.P Suresh Babu	Power System Protection and Digital Filtering Algorithms
13	Dr. Narasimharaju B L	Renewable Energy integrated Micro/mini Grid Systems
		Power Electronics Converters, PWM Control techniques and Applications
14	Dr. D Sreenivasarao	Power converters, Power Quality
15	Sri. Perumalla Chandrasekhar	Design and Implementation of smart controllers in microgrid based power systems
		Smart Grid and its control, soft computing applications to power quality problems

B. Consultancy Capabilities in

S.No	Name of the Faculty	Consultancy Capabilities
1	Prof. M Sydulu	Design vetting of electro-mechanical and instrumentation systems for Lift Irrigation schemes executed by I&CADD, Govt of AP.
2	Prof. D V S S Siva Sarma	Designing of Electrical Systems, Power System studies
		Design vetting of electro-mechanical and instrumentation systems for Lift Irrigation schemes executed by I&CADD, Govt of AP.
3	Prof. N Subrahmanyam	Design vetting of electro-mechanical and instrumentation systems for Lift Irrigation schemes executed by I&CADD, Govt of AP.
		Design and evaluation of solar power systems for medium and low power applications
4	Prof. B K Murthy	Wind and Solar Energy

5	Prof. V T Somasekhar	Multilevel Inverters and Induction Motor Drives
6	Dr. P Suresh Babu	Digital Multifunction Relays Installation and Protective Relay Testing
7	Dr. D Sreenivasarao	Power converters design and Custom Power Devices.
8	Sri. Perumalla Chandrasekhar	Photovoltaic Power Generation
		Energy Audit, Microgrids

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

S. No.	Name of the Equipment	Model / Brand	Make	Book Value	Year of Acquisition	Main Application(s)
1	Programmable DC power supply	TDK Lamda	TDK Lamda	1 Lakh	2013	In research work as a DC source for various converter topology.
2	Programmable DC power supply	Quantel	Quantel	1 Lakh	2013	In research work as a DC source for various converter topology.
3	Programmable DC power supply	Quantel	Quantel	1 Lakh	2013	In research work as a DC source for various converter topology.
4	Digital Storage Oscillscope	Agilent	Agilent	1 lakh	2013	Capture waveforms

7. MEMBERSHIP in PROFESSIONAL and S&T BODIES

1	Prof. M Sydulu	Senior Member of IEEE
2	Prof. D M Vinod Kumar	Senior Member of IEEE
3	Prof. D V S S Siva Sarma	Senior Member of IEEE
		Member of IEEE Power and Energy Society/ Education Society/ Power Electronics Society/ Industry Applications Society/ Communications Society
		Fellow of Institution of Engineers(India)
		Life member of ISTE
4	Prof. N Surahmanyam	Member IEEE
		Member ISTE
		Fellow-IE(I)
5	Prof. Bhagwan K Murthy	Member, IEEE
6	Prof. V T Somasekhar	Life Member Indian Society for Technical Education
		Member, IEEE
7	Dr. N V Srikanth	Member IEEE
		Life member in ISTE
		Member in the Institution of Engineers, India
8	Dr. S Srinivasa Rao	Indian Society for Technical Education(ISTE) Life Member LM 20270
		Systems Society of India (SSI) Life Member, LM 20006
		Institution of Engineers (India) Life Member M129215-8
		IEEE Member Member, 91175000
		Society of Power Engineers (India) Life Fellow, LF/5320
		Instrument Society of India Life Fellow, LM 2103
		Elected as Chartered Engineer by the Institution of Engineers (India) in the year 2005.
		Elected as Life Fellow by the Society of Power Engineers (India) in 2011.
9	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

10	Dr.M.Sailaja Kumari	Member IEEE
		Member IEEE Women in Engineering
		Life Member of ISTE
11	Sri. Y Chandrashekar	Member IEEE
12	Sri. Ch Ramulu	Life Member, Indian Society for Technical Education LM 65108
		IEEE Member M92940116
13	Dr. P Suresh Babu	Member in IEEE
		Member in Institution of Engineers India, Kolkata
		Member in International association of Engineers, Australia
		Member in International Association of CS and IT, Singapore
14	Dr. A V Giridhar	Member IEEE
15	Dr.Narasimha Raju B L	IEEE Student Member (Member No.:90828694) Life Member, System Society of India (LM 24147)
		Life Member, Indian Society for Technical Education(ISTE 54779)
16	Dr.A Kirubakaran	Member IEEE
		Life member in ISTE
		Member in SSI
17	Dr. Udaya Bhasker Manthati	IEEE Member, Member 92452634

8. MEMBERSHIP in EDITORIAL BOARDS of RESEARCH JOURNALS

S.No	Name	Name of the Journal
1	Prof. V T Somasekhar	Serving as a Reviewer for IEEE Transactions on Industrial Electronics, IET Proceedings on Power Electronics and IET Proceedings on Electric Power Applications.
		Member, Editorial Board, Inderscience International Journal of Power Electronics
2	Dr. S Srinivasa Rao	Selected as an **Official Referee** for the Transactions of *Association of the Advancement of Modelling & Simulation* (AMSE), Lyon, France, in 2005.
3	Dr Sachin Jain	Serving as a Reviewer for IEEE Transactions on Industrial Electronics, IET Proceedings on Power Electronics and IET Proceedings on Electric Power Applications
4	Dr. P Suresh Babu	International Journal of Electronic Networks, Devices and Fields ISSN 0974-2182
		International Journal of Innovative technology and Exploring Engineering ISSN:2278-3075
		International journal of recent technology and engineering ISSN: 2277-3878
		World academy of Science, Engineering and technology
5	Dr. Narasimha Raju B L	Technical paper reviewer of IEEE Trans. and IE. Power Electronics, Taylors and Francis

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

S. No.	Name	Designation	Additional Duty	Duration	
				From	To
1	Dr. Bhagwan K Murthy	Professor	Dept. TEQIP in charge	-	-
2	Dr. N Vishwanathan	Professor	Faculty Advisor for Electrical Maintenance	25.2.2011	10.12.2013
3	Dr. S Srinivasa Rao	Associate Professor	Secretary,CCB -2009	Feb-12	Till date
		Associate Professor	Warden, Institute Food Court (IFC-A & B)	Jul-12	Till Date
		Associate Professor	Deputy Chief Warden, NIT Hostels	Jan-14	Till Date
4	Sri. Ch Venkaiah	Associate Professor	Faculty Advisor Innovation & Entrepreneurship Club	01.04.2013	31.03.2014
5	Dr.M Sailaja Kumari	Associate Professor	Faculty advisor	Since 2008	-
			Member, TEQIP-II, IMC.	-	-
			Member, Women cell, NITW.	-	-
6	Sri. B Nagu	Asst. professor	Warden:1K-Hall,NITW	July:2012	Till date
7	Sri. Ch Ramulu	Member	DAC-UG, EED	Jun-12	Apr-13
		Faculty In-charge	Electrical Machines Laboratory	July 2013	Dec-13
8	Dr. A V Giridhar	Assistant Professor	Member , DAC-PG&R, EED	Jun-12	Jun-14
		Assistant Professor	Faculty Coordinator T & P Section for EED	Jul-12	Jun-14
9	Dr. Narasimha Raju B L	Treasurer	Electrical Engineering Association	Jun-12	Till Date
10	Dr. M Udaya Bhasker	Assistant Professor	Heritage-sub committee member	04-03-2013	Till date
			Time table I/C	2012-13	Till date
			Laboratory I/C for electrical measurements	2013-14	Till date

10. ADMINISTRATIVE ROLES

A. DEPARTMENTAL

S.No.	Faculty	Role	Faculty-in-charge	Term
1	Prof. D M Vinod Kumar	Member	Electrical Engineering Department Purchase Committee	----
2	Prof. D V S S Siva Sarma	Coordinator	NBA SAR for M.Tech(PSE)	----
3	Prof. N Surahmanyam	Head of the department		5th September, 2011 to till date
		Member of Master Plan Committee		February 2014 o till date
		Member of Space Reorganizing Committee		July 2014 to till date
		Member of Solar Plant Committee		January 2014 to till date

4	Prof. N Vishwanathan	To look after PG related works	Power Electronics Section	Continuing
5	Dr. P Suresh Babu	Department Computer Center		October 2013 to till date
6	Dr. Sachin Jain	Member DAC P&R		2Yrs
7	Dr. A V Giridhar	Course coordinator for Registration	I-M. Tech (PSE)	2013-2014
8	Dr. Narasimha Raju B L	Member, DAC-UG, EED		June 2012 to till date
		Faculty Advisor	Registrations, II BTech (EEE)	2013-2014
		Lab Development & Maintenance	Control System Laboratory, EED	Dec 2012 to till date
9	Dr. A Kirubakaran	Faculty Advisor	Electrical Engineering Association	2012-2014
		Course Coordinator for Registration	III B.Tech EEE (Sec: A & B)	2013-2014
		Lab Incharge	Electrical Machines Laboratory	From October 2013 onwards
10	Dr. M Udaya Bhasker	Registration for IV/IV students		AY 2013-14
		Power Electronic simulation lab for M.Tech (PED)		AY 2013-14 (II Sem)

A. INSTITUTIONAL

S.No	Faculty	Role	Faculty-in-charge	Term
1	Prof. D M Vinod Kumar	Chairman	Institution of Engineers (India) Warangal Local Chapter	-
2	Dr. A V Giridhar	Faculty Coordinator	T & P Section	17/12/2012 onwards
3	Dr. P Suresh Babu	Faculty Advisor	Electrical Section PE office, NITW	December 2013 to till date

B. DEPUTATIONAL / MINISTERIAL

S.No	Faculty	Role	Faculty-in-charge	Term
NIL				

11. ANY OTHER SIGNIFICANT INFORMATION

i) Workshops/STTPs/FDP's attended

S.No	Name of the faculty	Program Name/Title	WS/STTP/ FDP	From	To	Funding Agency	Place
1	Prof. M Sydulu	Science Administration and Research Management	STTP	10-02-14	21-02-14	Institute	ASCI, Hyderabad
2	Prof. D M Vinod Kumar	Advanced Engineering Optimization Through Intelligent Techniques	Workshop	23-09-13	27-09-13	Institute	NIT, Surat
		Control and Optimization in Energy Systems	Workshop	28/10/13	29/10/13	Institute	IIT Madras
		IEEE PES Innovative Smart Grid Technologies Conference	Conference	10/11/13	13/11/13	-	Bangalore
3	Prof. D V S S Siva Sarma	Three day Workshop on Engineering Projects in Community Service (EPICS)	Workshop	29-10-13	31-10-13	-	Hyderabad
		Fifth IEEE International Conference on Technology for Education	Conference	17-12-13	20-12-13	Institute	IIT, Kharagpur
4	Prof. N Subrahmanyam	Conclave for Enhancing Quality of Technical Education and Research	Conclave	30-08-13	31-08-13	TEQIP-II	IIT Hyderabad
		Three day Workshop on Engineering Projects in Community Service (EPICS)	Workshop	29-10-13	31-10-13	-	Hyderabad
		Real Time Simulation of Electrical Engineering Systems	Seminar	06-12-13		Institute	Taj Banjara, Hyderabad
		UK Trade and Investment	Seminar	27-03-2014		Institute	Hyderabad
5	Prof. B K Murthy	A Five Day Faculty Development Programme on Real-Time Implementation of Power Electronic Technologies	FDP	24-06-13	28-06-13	Institute	Malavya NIT Jaipur
		Two day Workshop on Smart Grid Challenges Integration of Renewables	Workshop	20-03-14	21-03-14	Institute	CPRI, Bangalore

6	Prof. V T Somasekhar	DST-SERB School on Smart Grid using Synchrophasor Technology	Workshop	09-12-13	13-12-13	Institute	IIT, Kanpur
7	Prof N Vishwanathan	A Five Day Faculty Development Programme on Real-Time Implementation of Power Electronic Technologies	FDP	24-06-13	28-06-13	Institute	Malavya NIT Jaipur
8	Dr. S Srinivasa Rao	A two day Course on Hands-on Course on Digital Signal Processing using OMAP- L138 Board	Workshop	17-06-13	18-06-13	-	M/s. Texas Instruments (India), Bangalore
		A Five Day Faculty Development Programme on Real-Time Implementation of Power Electronic Technologies	FDP	24-06-13	28-06-13	Institute	Malavya NIT Jaipur
		Sixth National Power Electronics Conference (NPEC - 2013)	Conference	19-12-13	23-12-13	Institute	IIT. Kanpur
9	Ch Venkaiah	IEEE PES Innovative Smart Grid Technology Conference (ISGT 2013)	Conference	10-11-13	13-11-13	-	Bangalore
		IEEE Purdue EPICS Workshop	Workshop	29-10-13	31-10-13	-	Purdue University
		IEEE Hyderabad Section Conference Organizers Workshop (IEEEHYD-COW)	Workshop	23-06-13	23-06-13	-	Hyderabad
		Advanced Engineering Optimization through Intelligent Techniques (AEOTIT)	Workshop	23-09-13	27-09-13	-	SVNIT, Surat
		Research Promotion Workshop on Introduction to Graph and Geometric Algorithms	Workshop	23-10-13	25-10-13	-	NIT Warangal
		Modern Statistical Techniques and Information Security	Workshop	19-12-13	21-12-13	-	NIT Warangal
		Application of ANN & Soft computing techniques to Engg World Problems	Technical Lecture	25-01-2014		Institute	Hyderabad
		Architecture, Algorithms, Analytics for Big Data using Cloud	Workshop	07-03-14	11-03-14	-	NIT Warangal

		and Distributed Computing (ABCD-2014)					
		Technology Entrepreneurship Programme (TEP) – Design Workshop	Workshop	28-03-14	29-03-14	-	ISB Hyderabad
10	Dr. M Sailaja Kumari	Course on Solar thermal Power	Workshop	29-04-13	01-05-13	-	IIT Bombay
		Emotional Intelligence and Organizational Excellence	Workshop	05-06-13	07-06-13	-	IIT Kharagpur
		Management Development Program for NIT Warangal	Workshop	25-06-13	26-06-13	-	ISB Hyderabad
		DST-SERB School on Smart Grid using Synchrophasor Technology	Workshop	09-12-13	13-12-13	Institute	IIT, Kanpur
		Real Time Simulator Training	STTP	23-12-13	27-12-13	TEQIP-II	Opal-RT, Bangalore
11	Dr. Narasimha Raju B L	Teaching and Evaluation methods for Effective Learning	Workshop	15-07-13	17/07/13	TEQIP-II	NIT Warangal
		Workshop on "Good Laboratory Practices"	Workshop	13-09-13	-------	TEQIP-II	NIT Warangal
		Workshop on Open Source SW during 14-15, March, 2014 under TEQIP-II	Workshop	14-03-14	15-03-14	TEQIP-II	NITW
12	Dr. Sachin Jain	Real Time Simulator Training	STTP	23-12-13	27-12-13	TEQIP-II	Opal-RT, Bangalore
13	Dr.A V Giridhar	Grounding Practices	Workshop	21-11-13	22-11-13	Institute	Bangalore
		Advanced Technical Seminar on Earthing, Lighting and Electromagnetic Interference	Seminar	17-02-14	21-02-14	Institute	Bangalore

ii) Any other Info

Sri. Perumalla Chandrasekhar	Written a Book Chapter (17) entitled "Real and Reactive Power Control of Voltage Source Converter based PV generating systems," in Solar Cell Nanotechnology, (475–504), ISBN: 9781118686256, Wiley Press-Scrivener Publishing LLC, DOI: 10.1002/9781118845721.ch17

MECHANICAL ENGINEERING DEPARTMENT:

1. INTERNATIONAL VISITS

S. No.	Name of the Faculty	Countries Visited	Organisations Visited	Dates
1	Dr M J Davidson	Poland	Warsaw University of Technology	15th May to 13th June, 2014

2. MEMORANDA OF UNDERSTANDING (MoUs) THE INSTITUTE HAS SIGNED THROUGH THE DEPARTMENT EXCLUSIVELY:

S. No.	External Organisation	MoU Signed on	Remarks
1	CMTI		For Joint M Tech program

3. ACHIEVEMENTS / AWARDS / INNOVATIONS

DELTA SHOOTOUT 2014

Team Mechxhausters, Students of mechanical engineering department formed as a team of 13 members which include 3 final years and 10 pre final year students for designing and fabricating an ATV (All-Terrain Vehicle) and participated in an event DELTA SHOOTOUT 2014. This event tests the design and fabrication skills of the engineering students. Event is held at NIT Jamshedpur by delta organizers adjoined by international formula1racing design judges STEVEFOX,PAT CLARKE and CLAUDE ROUELLE from 24th to 26th January 2014.This team is first to clear scrutiny, safety and brake test and participated in dynamic events out of all the teams participated in the event .Acceleration test, Hill climbing, Maneuverability and endurance test.

Among 42 participating teams national wide our team was successful in achieving 1st position in excellence in endurance run,2nd position in excellence in hill climbing and overall 1st position in excellence of design and fabrication of an ATV and stood as national champions.The dedicated work of the students and encouragement of faculty advisor Prof L Krishnanand helped in manufacturing ATV being most economicalamong all other participants and grabbing national champions title and a total of 4 Lakhs prize money.

Team Details:
Institute: NIT Warangal.
1. Aradh (captain)
2. Rahul Reddy (vice-captain)
3. Shine Eapen (Team Manager)
4. Dhanraj
5. LNV Ravi Teja
6. AnandBharadhwaj
7. Siva Vikranth
8. Bharath
9. Bhargav
10. Revanth Reddy
11. Vamshi Krishna Reddy
12. TarunSaketh
13. SaiNagendra

Faculty Advisor: Prof. L Krishnanand

Prizes and Awards:

National Champions Award
- Excellence in Design and Engineering - 1st Prize : Rs. 3,00,000
- Excellence in Endurance Run - 1st prize : Rs. 60,000
- Excellence in Hill Climb - 2nd prize : Rs. 40,000

डेल्टा शूट आउट 2014 के विजेता
DELTA SHOOTOUT 2014 WINNERS (24-26, JANUARY, 2014)



विकसित मॉडल के साथ डेल्टा शूट आउट टीम
Delta Shootout Team with Developed Model



डेल्टा शूट आउट ड्राइव
Delta Shootout Drive photo



पुरस्कृत प्राप्त करते डेल्टा शूट आउट टीम
Delta Shootout prize receiving



निदेशक, डीन (छात्र कल्याण), और एम ई डी के विभागाध्याक्ष के साथ डेल्टा शूट आउट टीम
Delta Shootout Team with Director, Dean (SW) & HOD (MED)

ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT:

1. EXTENTION / EXPERT / INVITED LECTURES DELIVERED ELSEWHERE

S. No.	Name of the Faculty	Lecture Title	Place	Dates
1	Prof. N.V.S.N.Sarma	Tera Hertz and it's applications	IISC Bangalore, India	08-03-2014
2	Prof. N.V.S.N.Sarma	Tera Hertz and it's applications	Ohio state university, Columbus, USA	04-10-2013
3	Dr. T.Kishore Kumar	Social Signal Processing	Kakatiya University, India	28-03-2014

2. CONFERENCES / SYMPOSIA SESSIONS CHAIRED

S. No.	Name of the Faculty	Event Title	Place	Dates
1	Prof. N.V.S.N.Sarma	Advanced Computational Electromagnetic Society Symposium	Jackson Ville,FL USA	23-27 March, 2014

3. INTERNATIONAL VISITS

S. No.	Name of the Faculty	Countries Visited	Organisations Visited	Dates
1.	Dr. T.Kishore Kumar	Estonia	Tallinn University of Technology, Estonia	September 28 - November 3, 2013
2.	Prof.N.V.S.N. Sarma	USA	Ohio State University	4th October 2013
3.	Dr. P.Sri Hari Rao	USA	Arizona State University, Temple, AZ, USA	November 23- December 23, 2013
4.	Dr. B. Lakshmi	Praire, TX, USA	University of Texas	November 16- December 16, 2013

4. MEMORANDA OF UNDERSTANDING (MoUs) THE INSTITUTE HAS SIGNED THROUGH THE DEPARTMENT EXCLUSIVELY:

S. No.	External Organisation	MoU Signed on	Remarks
1	ECIL Hyderabad	16-09-2013	
2	RCI DRDO	30-10-2013	
3	Apollo Computing Labs, Hyderabad	13-03-2014	

5. RESEARCH AND CONSULTANCY EXPERTISE

A. Research Areas Active in

- VLSI
- Signal Processing and Networks and Microwave Antennas

B. Consultancy Capabilities in

- VLSI
- Microwave Antennas

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

S. No.	Name of the Equipment	Book Value	Year of Acquisition	Main Application(s)
1	Communication Chassis	174406.00	2013	
2	Digital DMM	336000.00	2013	EDC Lab, Transducers and Signal Conditioning Lab
3	Access Points	106500.00	2013	Internet
4	Solar UPS	979850.00	2013	
5	Instrument Tutors	362696.00	2013	
6	Anti static table	147000.00	2013	
7	Communication controller	477923.00	2013	
8	USRP	224305.00		
9	Modulation Tool kit	171900.00	2013	Communication Systems Lab
10	Circuit design bench	618020.00	2013	Digital Design Lab, Mixed Signal IC Design Lab
11	Portable measurement instrument	595285.00	2013	Advanced Instrumentation Lab
12	Rotary inverted pendulum	572551.00	2013	Advanced Instrumentation Lab
13	34 channel logic analyzer	1450000.00	2013	
14	10 KVA UPS	388269.00	2013	Power supply
15	Xilinx kintex-7 FPGA development kit	324450.00	2013	Mixed Signal IC Design Lab
16	Net FPGA Cards	309750.00	2013	
17	Reconfigurable FPGA board	885537.00	2013	Mixed Signal IC Design Lab
18	HP Desktop systems	3500000.00	2013	
19	Mixed domain Oscilloscope	2650000.00	2013	
20	SDR development platform with subsystems	874700.00	2013	
21	Image Processing	249900.00	2013	
22	Arbitrary waveform generator	301064.00	2013	Advanced Instrumentation Lab
23	Communication System modules	536062.00	2013	Communication Systems Lab
24	Matlab software	103966.00	2013	Signal Processing, Communications
25	Low end workstation	240000.00	2013	
26	High end workstation	745000.00	2013	
27	Optical laboratory equipment	753270.00	2013	Microwave & Optical Lab
28	Microwave equipment	367852.00	2013	Microwave Lab
29	Advanced microstrip	123750.00	2013	Microwave Lab
30	HFSS software simulation package	597188.00	2013	Microwave Antenna Simulation
31	IE3D SSD fullwave 3D software	315000.00	2013	Microwave Antenna Simulation
32	Servers	995007.00	2013	

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

S. No.	Name	Designation	Additional Duty
1.	Prof.KSR. Krishna Prasad	Professor	NBA Core Team
2.	Dr. N.Bheema Rao	Associate Professor	Head, Computer Center
3.	Dr. T.Kishore Kumar	Associate Professor	Faculty Incharge CAI
4.	Dr. L.Anjaneyulu	Associate Professor	Faculty Incharge Computer Center

8. ADMINISTRATIVE ROLES

A. DEPARTMENTAL

Sl. No.	Role	Faculty-in-charge	Term
1.	B.Tech IVth year Coordinator	Dr. T.Kishore Kumar	1 Year
2.	B.Tech IIIrd year Coordinator	A. Prakash Rao	1 Year
3.	B.Tech IInd year Coordinator	Dr.C.B.Rama Rao	1 Year

B. INSTITUTIONAL

Sl. No.	Role	Faculty-in-charge	Term
1.	Boys Hostel Warden	Dr. P.Sri Hari Rao	2 Years
2.	Girls Hostel Warden	Dr.D.Vakula	2 Years
3.	Hostel Warden	Dr.S.Anuradha	2 Years
4.	B.Tech ECE NBA Coordinator	Dr. T.Kishore Kumar	-
5.	M.Tech ACS NBA Coordinator	Dr. L.Anjaneyulu	-
6.	M.Tech EI NBA Coordinator	Dr.C.B.Rama Rao	-
7.	M.Tech VLSI NBA Coordinator	Dr.N.Bheema Rao	-

DEPARTMENT OF METALLURGICAL MATERIALS ENGINEERING

1. ACHIEVEMENTS / AWARDS / INNOVATIONS

S. No.	Name of the Faculty	Nature of the Achievement/ Award / Innovation
1	Mr.V. Rangadhara Chary	INAE fellowship for the year 2013-2014
2	Dr. Ajoy Kumar Pandey	INAE fellowship for the year 2013-2014

2. EXTENTION / EXPERT / INVITED LECTURES DELIVERED ELSEWHERE

S. No.	Name of the Faculty	Lecture Title	Place	Dates
1	Dr. M. K. Mohan	Two special lectures on 'Advanced Corrosion Resistant Materials' and 'Materials for Nuclear Reactors'	NIT, Warangal (Department of Metallurgical and Materials Engg)	2 -6 July 2013
2	Dr. M. K. Mohan	'Corrosion Studies on Ti Alloys and Superni C 276'	Dept. of Chemistry, NIT Warangal	10-14 Dec. 2013
3	Dr. G. V. S. Nageswara Rao	An overview on Biomaterails (in 2-day National Conference on Advances in Materials Engineering – MATERIAUX2014)	Andhra University, Visakhapatnam	6-7 March 2014
4	Dr. G. V. S. Nageswara Rao	Metal foams – A new class of materials for novel engineering applications (in 2-day National Conference on Advances in Materials Engineering – MATERIAUX2014)	Andhra University, Visakhapatnam	6-7 March 2014
5	Dr. G. V. S. Nageswara Rao	Advances in Powder Metallurgy Materials (*A Five day Workshop on 'Navigating New Frontiers in Materials*)	NIT, Warangal	2-6 July 2013
6	Dr. G. V. S. Nageswara Rao	Transmission Electron Microscopy: Fundamentals and applications (in 5-day workshop on Advances in Electron Microscopy (AEM)	MME Department, NIT, Warangal	9-13 Dec. 2013
7	Dr. G. V. S. Nageswara Rao	Difficult Machining Materials (in 3-day workshop on Advanced Materials and Machinability (AMM))	Mech. Dept., NIT Warangal	31 Oct.-2 Nov. 2013
8	Dr. N. Narasaiah	Fatigue Behaviour of Aerospace Materials (*A Five day Workshop on 'Navigating New Frontiers in Materials*)	NIT, Warangal	2-6 July 2013
9	Dr. N. Narasaiah	Electron microscopy for fractography (*A Five day workshop on "Advances in Electron Microscopy"*)	NIT, Warangal	9-13 Dec. 2013
10	Dr. N. Narasaiah	LEFM and LEFM based design (*Three Day National Workshop on, 'Fatigue, Fracture and Life Extension (FFLE-2014)*)	DMRL Hyderabad	29-31 Jan. 2014
11	Dr. C. Vanitha	EBSD Characterization of Zirconium based Alloys	Dept. of Mechanical Enginnering, GRIET, Hyderabad	26 June 2013

12	Dr. G. Brahma Raju	Sintered Reaction Bonded Silicon Nitride (SRBSN) for substrate Materials Applications: Issues Related to Processing, DST-JSPS Symposium	Indian Institute of Science, Bangalore, India	20 December 2013
13	Dr. G. S. Reddy	'Advances in Superalloys'. *(5-day workshop on 'Navigating new frontiers in materials 2013')*	NIT, Warangal.	3 July 2013
14	Dr. G. S. Reddy	'Advances in Heat Resistant Materials for Thermal Power Generation'. *(5-day workshop on Navigating new frontiers in materials 2013')*	NIT, Warangal.	5 July 2013
15	Dr. G. S. Reddy	'Materials and Processes for Advanced Chip Manufacturing'. *(3-day Workshop on 'Recent Trends in Device Materials')*	NIT, Warangal.	9 November 2013

3. CONFERENCES / SYMPOSIA SESSIONS CHAIRED

S. No.	Name of the Faculty	Event Title	Place	Dates
1	Dr. M.K. Mohan	51st NMD-67th ATM	Varanasi	12th-15th Nov., 2013
2	Dr. G. V. S. Nageswara Rao	National Conference on Advances in Materials Engineering – MATERIAUX2014	Andhra University, Visakhapatnam	6-7th March, 2014

4. 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, Surface Engineering, Powder Metallurgy; 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

- Materials Characterization, Mechanical working, corrosion, friction & wear, high temperature materials etc.

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

S. No.	Name of the Equipment	Model / Brand	Make	Book Value	Year of Acquisition	Main Application(s)
1	X-Ray Diffraction System with Chiller and other Accessories	X'Pert Powder XRD	PANalytical	91,15,412/-	2013-2014	Determination of crystal structures, identification of elements, compounds and phases and their measurement (qualitative and quantitative phase analysis), Unit cell, lattice parameters, Crystallite Size etc.
2	High Energy Ball Mill	Pulverisette7	Fritsch	Rs. 26.54 Lakhs	2013	For mechanical alloying and nano milling
3.	Optical microscopes with digital camera and Image analysis.	QUASMO QMM-300 & QUASMO, iQ-M50	QUASMO	Rs 3.23 Lakhs.	Feb 2014	For study of microstructures of metals and alloys.
4.	ProCAST Software.	ProCAST 2014.	ESI Software	Rs 18.32 Lakhs	Mar 2014.	For modeling of castings and prediction of microstructure, properties, and casting defects.

6. MEMBERSHIP in PROFESSIONAL and S&T BODIES

(1) Dr. M.K. Mohan: Life Member (IIM), SFA
(2) Dr.G.V.S. Nageswara Rao: Life member of IIM, PMAI, ISTE, MRSI, EMSI, IIW and SFA
(3) Sri. P.Ravindar: Life Member (IIM), SFA
(4) Dr. N. Narasaiah: Life Member (IIM), SFA
(5) Dr. C.Vanitha: Life Member (IIM), Life Member (MRSI), Life Member (PMAI), SFA
(6) Dr. G. S. Reddy: (i) Member ASM, (ii) Life member of IIM, MRSI, SFA.
(7) Dr. P.Surya Prakash Rao: Life member of SFA
(8) Dr. Asit Kumar Khanra: Life member of SFA
(9) Mr.V. Rangadhara Chary: Life member of SFA
(10) Dr. Ajoy Kumar Pandey: Life member of SFA
(11) Dr. Brahma Raju Golla: Life member of SFA

7. 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).

8. 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.G.V.S. Nageswara Rao	Professor	Associate Dean, Research	12-06-2013	Till date
3	Dr. G. V. S. Nageswara Rao	Professor	Faculty Advisor-Technozion 2013	01-06-2013	31-03-2013
4	Dr. G. V. S. Nageswara Rao	Professor	Co-convener, Research Advisory Committee (RAC)	24-10-2013	Till date
5	Dr. N.Narasaiah	Assoc. Professor	Head of the Department Class advisor for M.Tech & Ph.D	18.03.2013	Till date

9. ADMINISTRATIVE ROLES

A. DEPARTMENTAL

Sl. No.	Role	Faculty-in-charge	Term
1	Member of DPC	Dr.M.K. Mohan	Since 2012
2	Member of DPC	Dr. P.Surya Prakash Rao	Since 2012
3	Coordinator for FIST, Supported by DST	Dr. G. V. S. Nageswara Rao	5 years - January 2010 onwards
5	Head of the Department	Dr. N.Narasaiah	Since 18.03.2013
6	Depatment Time table Incharge Department library advisory committee member Class advisor for B.Tech final year Department training and placement representative	Dr. C. Vanitha	Since 2010 Since 2008 Since 2008 Since 2013
7	Class advisor for B.Tech III year SEM In-Charge Treasure - MME Association TEQIP Coordinator	Dr. Asit Kumar Khanra	Since 2008 Since 2012 Since 2011 Since 2009

8	Class advisor for B.Tech II year	Mr.V. Rangadhara Chary	Since 2012
9	Class advisor for M.Tech & Ph.D	Dr. Ajoy Kumar Pandey	Since 2014
10	Department training and placement representative	Dr. Brahma Raju Golla	Since March 2014
11	Class advisor for B.Tech final year	Dr. R. Arockia Kumar	Since March 2014
12	Class advisor for B.Tech III year	Dr. Bonta Srinivasa Rao	Since March 2014

B. INSTITUTIONAL

Sl. No.	Role	Faculty-in-charge	Term
1	Professor in-charge, Centre for Advanced Materials	Dr.M.K. Mohan	From 06-12-2010 onwards
2	Associate Dean, Research	Dr.G.V.S. Nageswara Rao	12th June 2013 onwards
3	Faculty Advisor-Technozion 2013	Dr.G.V.S. Nageswara Rao	2013-2014
4	Head of the Department	Dr. N.Narasaiah	Since 18.03.2013

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 Y. Pydi Setty, S Srinath	Systems for preparation of nano organic pigment dispersions using cavitation reactors 233/MUM/2013 published online March 2013	Pending
2	Dr. Shirish Sonawane	490/CHE/2014 PROCESS FOR PRODUCTION OF NANO SIZE IRON OXIDE PIGMENT	Pending

2. ACHIEVEMENTS / AWARDS / INNOVATIONS

S. No.	Name of the Faculty	Nature of the Achievement/ Award / Innovation
1	Dr. V Ramsagar	Conference Best Paper Award in International Conference on Chemical and Bioprocess Engineering-India (ICCBPE-IN) 2013

3. EXTENTION / EXPERT / INVITED LECTURES DELIVERED ELSEWHERE

S. No.	Name of the Faculty	Lecture Title	Place	Dates
1	Mr. A. Sarath Babu	Applications of process Simulators in Chemical Engineering	SGGSI&T Nanded	8 jan-12 jan 2014
2	Mr. A. Sarath Babu	Applications of process Simulators in Chemical Engineering	GMRIT, Rajam	--
3	Mr. A. Sarath Babu	BOS Meeting	RVR&JC college of Engg.	3-8-2013
4	Mr. A. Sarath Babu	Resource person for TEQIP workshop	NIT Trichy	18-9-2013 to 20-9-2013
5	Dr. Shirish Sonawane	Nanoparticles Scale up 8th March 2014 in the national level AICTE sponsored seminar on "Nanotechnology in Chemical And Allied Industries".	Baptla	8 March 2014
6	Mr. K. Anand Kishore	Process Modeling and Simulation	GSS, Nanded	2013
7	Dr. S. Srinath	Applications of process Simulators in Chemical Engineering	SGGSI&T Nanded	8 jan-12 jan 2014

8	Dr. S. Srinath	Occurrence and control of unstable systems	Andhra University	04-01-2014
9	Dr. T. Sunil Kumar	Control of unstable plants	Madras Institute of Technology, Chennai	22-12-2013
10	Dr. T.Sunil Kumar	CFD Applications & Solving PDEs using MATLAB	UGC Academic staff colloge, JNTU Hyderabad	9-10, Dec, 2013
11	Dr. P. V. Suresh	Fuel Cells - Challenges & Research Needs	3-day workshop on "Go Green Generation Fuels", organized by Dept. of Mechanical Engg, NIT Warangal	Dec 12-14, 2013

4. CONFERENCES / SYMPOSIA SESSIONS CHAIRED

S. No.	Name of the Faculty	Event Title	Place	Dates
1	Dr. A.Venu Vinod	International Conference on Chemical and Bioprocess Engineering-INDIA,	National Institute of Technology, Warangal, India.	November 16-17, 2013,
2	Mr. A. Sarath Babu	International Conference on Chemical and Bioprocess Engineering-INDIA,	National Institute of Technology, Warangal, India.	November 16-17, 2013,
3	Dr Shirish Sonawane	International Conference Chemical and Bioprocess Engineering ICCBPE IN2013	NIT Warangal	17-19 Nov 2013
4	Mr. K. Anand Kishore	International conference on Chemical and Bioprocess Engg	NITW	15-16, Nov,2013
5	Dr. S. Srinath	International Conference on Chemical and Bioprocess Engineering-INDIA,	National Institute of Technology, Warangal, India.	November 16-17, 2013
6	Dr. T. Sunil Kumar	International conference on advances in chemical engineering (Session Chair)	NIT Raipur	5-6, April, 2013
7	Dr. T. Sunil Kumar	International conference on bioprocess engineering	NIT Warangal	16-17 November, 2013
8	Dr. P. V. Suresh	International conference on Chemical and Bioprocess Engineering	NIT Warangal	Nov 16-17, 2013

5. INTERNATIONAL VISITS

S. No.	Name of the Faculty	Countries Visited	Organisations Visited	Dates
1	Dr Shirish Sonawane	Portugal	Chemical Engineering Department Instito Superio Technico	20 May 2013 to 20 June 2013
2	Mr. K. Anand Kishore	Indonesia	International conference	4-5, Jan,2014

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

S. No.	External Organisation	MoU Signed on	Remarks
1	Corning Advanced Flow Reactor Technologies, Pune	15 Dec 2013	Donoated 25 Lacs Rs AFR Reactor to Chemical Engineering Dept
2	Institute of Chemical Technology, Mumbai	13.3.14	-

7. RESEARCH AND CONSULTANCY EXPERTISE

A. Research Areas Active in

- Fluidised Bed Cumbustion
- Micro reactors
- Fluidized Bed Drying
- Biological Wastewater treatment using fluidized bed bioreactor and Packed bed bioreactor
- Circulating fluidized Bed
- Modeling, simulation and optimization of chemical engineering processes
- Microreactors
- Hydrodynamics and RTD studies in a fluidized bed
- Process Intensification
- Nanotechnology
- Process control
- Nonlinear analysis, Modeling and control of waste water treatment plants
- Chemical Looping Combustion
- Fuel Cells
- Process Intensification
- Process control
- Multiphase Flow
- Sustainable energy technologies
- CFD

B. Consultancy Capabilities in

- Nanotechnology
- Fluidization
- Wastewater treatment
- Scale Up of Nanoparticle Production
- Control system design
- Chemical Looping combustion
- Fuel Cells
- Modeling and simulation

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

S. No.	Name of the Equipment	Model / Brand	Make	Book Value	Year of Acquisition	Main Application(s)
1	Corrugated Plate heat exchanger	Custom designed		Rs. 2,66,000	2013	Heat Transfer enhancement studies.
2	Vibratory Feeder with Hopper	DR 100	Retsch India Pvt. Ltd	Rs.1,46,806.9	PO date: 19.02.2013	Feeding solid particles in to the unit uniformly at fixed flow rate.
3	Thermal property Analyzer	KD2 Pro	Decagon Devices	Rs. 5,73,750	2014	Determination of thermal properties of liquids.
4	Data acquisition system	AI1600	Arrow instruments	Rs. 1,29,650	2014	Data acquisition and control.
5	Aspen Plus 8.4	Aspen	Upgraded	--	2014	--
6	Particle Size Analzer	ZETA seizer	Malvern	Rs. 10 Lacs	2014	Particle size determination
7	Ultrasound Atomizer	AT-120	Sonics	Rs. 5 Lacs	2014	Atomizer for nanoparticles production
8	PID Based Bioreactor	Biospin-05A	Bioage	Rs. 5,81,175	2013	Research

9	Three Tank process control	LTPC-045	Lab Tech Electronics Pvt. Ltd	Rs. 7,23,923	2014	UG Lab and research
10	Universal process control	PSP330	Apex Innovations Pvt. Ltd	Rs. 8,66,925	2014	UG lab and research
11	Computer Server	HP DL380 G8P Server	HP	Rs. 7,80,000	2013-14	Computational facility in SDP Lab to house latest chemical engg. software package tools
12	Workstations - 5 No.	HP Z220 CMT	HP	Rs. 5,64,500	2013-14	To carry out complex and intensive CFD, Aspen and other simulations
13	Software of ANSYS Academic HPC	ANSYS	Innovent Engineering Solution Pvt. Ltd	Rs. 1289977	2013	For M.Tech dissertation and PhD scholars
14	Pelletzing Machine		NEQ Pharma	Rs. 218789	2013	Pelletizing Machine
15	Pollution Testing Machinery	Machine SL No.2685	AVL India Pvt. Ltd	Rs. 242075	2013	Pollution Testing
16	Network Printer	Ricoh Aficio MP 2501 sp	Ricoh	Rs. 160876	2014	

9 MEMBERSHIP in PROFESSIONAL and S&T BODIES

Dr. R.C. Sastry

Life member of Indian Institute of Chemical Engineers (IIChE)

Dr. Y. Pydi Setty

IIChE-Life Time Member
ISTE-Life Time member
IE(I) Fellow member

Dr. A. Venu vinod

Life member of Indian Institute of Chemical Engineers (IIChE)
Life member of Indian Society for Technical Educations (ISTE)
Member, European Federation of Biotechnology (EFB)

Dr. S.Srinath

Life member of Indian Institute of Chemical Engineers (IIChE)
Life member of I.E(I)

Dr. A. Seshagiri Rao

Life member of Indian Institute of Chemical Engineers

Mr. T.Sunil kumar

Member of Indian Institute of Chemical Engineers

Member of Indian Society for Technical Education

Dr. P.V.Suresh

IIChE Life Member - LM-50138

Dr. S. Vidyasagar

Life Member- IIChE

10. MEMBERSHIP in EDITORIAL BOARDS of RESEARCH JOURNALS

Dr. **Y. Pydi Setty**

International Journal of Biotechnology Applications (Bioinfo publications)

Energy & Power (Scientific and Academic Publishing)

Dr. **Shirish Sonawane**

Editorial Board Member Nanoparticle Research

Editorial Board Member Austin Chemical Engineering Journal

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

S. No.	Name	Designation	Additional Duty	Duration	
				From	To
1	Dr R C Sastry	Professor	Chairman, Games Committee	Since July, 2013	Till date
2	Dr. Y. Pydi Setty	Professor	HOD	02-7-11	Till 5th Dec, 2013 FN
3	Dr.A.Venu Vinod	Associate Professor	Head, Department of Chemical Engineering	Since December 5, 2013	Till date
4	Mr. A. Sarath Babu	Associate Professor	Member, Board of Governors NITW	February 2014	Till date
5	Mr. A. Sarath Babu	Associate Professor	Convener, NBA Core Committee	March 2014	Till date
6	Mr. K. Anand Kishore	Associate Professor	Secretary, Cooperative Society	2013	Till date
7	Mr. K. Anand Kishore	Associate Professor	Faculty I/c Institute Shops & Establishments	2013	Till date
8	Mr. K. Anand Kishore	Associate Professor	Staff Advisor, DD club	2012	Till date
9	Mr. K. Anand Kishore	Associate Professor	Coordinator, SC/ST Cell	2013	Till date
10	Dr. S.Srinath	Associate Professor	Staff Advisor Chemical Engineering	Since June 2012	Till date
12	Dr. Seshagiri Rao A	Associate Professor	Faculty Advisor for III B.Tech	December 2013	Till date
13	Dr. Muralimohan Seepana	Assistant Professor	B-Tech Chemical NBA Coordinator	2013	Till date

12. ADMINISTRATIVE ROLES

A. DEPARTMENTAL

S. No.	Role	Faculty-in charge	Term
1	I/c Tours	Mr. K. Anand Kishore	Since 1999
2	I/c Industrial training	Mr. K. Anand Kishore	Since 2006
3	I/c MT lab	Mr. K. Anand Kishore	Since 1999
4	NBA Coordinator for B.Tech	Dr. Seshagiri Rao A	2013 to till date
5	Time Table In-Charge	Mr. T.Sunil Kumar	2013 to till date
6	Faculty Advisor for II BTech	Mr. T.Sunil Kumar	2013 to till date

7	Heat Transfer Lab	Mr. T.Sunil Kumar	2013 to till date
8	NBA coordinator for MTech Program	Mr. T.Sunil Kumar	2013 to till date
9	Treasurer, Chemical Engineering Association (ChEA)	Dr. P. V. Suresh	Dec 2013 to till date
10	Faculty in-charge for Fluid & Particle Laboratory	Dr. P. V. Suresh	Dec 2013 to till date
11	Faculty in-charge for Instrumentation & Process Control Laboratory	Dr. P. V. Suresh	May 2013 to Nov 2013
12	B.Tech Project Coordinator	Dr. V Ramsagar	January 2014 to till date

B. INSTITUTIONAL

S. No.	Role	Faculty-in charge	Term
1	Spring Spree Coordinator	Dr. S.Srinath	SpringSpree-13

13. ANY OTHER SIGNIFICANT INFORMATION

Dr. R.C. Sastry

i). Served as member of Expert committee of NBA, New Delhi to UICT, Mumbai in the months of March and September 2013.

ii). Served as member of AICTE Expert Committee for several institutes during the period.

Dr. Y. Pydi Setty

1. Guided K. Narasimhulu, Assistant Professor, Dept. of Biotechnology, NITW for Ph D (Completed-2013)
2. Guiding Onkara Perumal Assistant Professor, Dept. of Biotechnology, NITW for Ph D (Pursuing)

Consultancy work done:

"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)

Published a book on Abstracts of papers of Proceedings of International Conference on Chemical and Bioprocess Engineering-India organized at Dept. of Chemical Engineering, NITW during November 16-17, 2013 (ISBN 978-81-928314-0-4).

BOS member for Chemical Engineering, Osmania University.

Attended Two day workshop on "NBA-Accreditation Awareness Workshop" at National Institute of Technology Karnataka, Surathkal under Teqip-II during August 23-24, 2013.

COMPUTER SCIENCE AND ENGINEERING DEPARTMENT:

1. INTERNATIONAL VISIT

S. No	Name of the Faculty	Country Visited	Organisation Visited	Dates
1	Prof. T.Ramesh	USA	12 Universities in USA	11-30 May 2013
2	Prof. D.V.L.N. Somayajulu	USA	Mozilla Summit 2013 California USA	3-7 Oct 2013

2. MEMORANDA of UNDERSTANDING (MoUs) THE INSTITUTED SIGNED THROUGH THE DEPARTMENT EXCLUSIVELY:

S. No	External Organisation	MoU Signed on	Remarks
1	C-DAC Bangalore	23-09-2013	----

3. RESEARCH AND CONSULTANCY EXPERTISE

A. Research Areas Active in

S. N.	Name	Research Area
1	Prof. T. Ramesh	Machine Learning/Parallel Computing
2	Prof. D.V.L.N. Somayajulu	Database management, Databases Data Warehousing and Data Mining,
3	Dr. B. B. Amberker	Cryptography, Information Security, Secure Multi party Computation
4	Dr. S. G. Sanjeevi	Neural Networks, Computational Intelligence, Machine Learning and Soft Computing
5	Dr. K. Ramesh	Architectures and Coding infrastructures in Computer Networked, Service-oriented, Distributed, Secured, Cluster and Cloud Computing Environments in pursuit of Model Driven Framework-oriented Systems and Applications Software.
6	Dr. Ch. Sudhakar	Distributed Systems and Parallel Processing
7	Dr. R.B.V. Subramanyam	Data Mining and Data warehousing
8	Dr. R. Padmavathy	Cryptanalysis and Information Security
9	S. Ravi Chandra	Graphics & Multimedia, Software Engineering
10	B. Raju	Bio-Informatics
11	T. Ramakrishnudu	Database Systems, Data mining
12	Dr. K.V. Kadambari	Computational neuroscience, Modeling and simulation, Machine learning and Artificial Intelligence
13	Dr. U.S.N. Raju	Computer Vision and Image Processing
14	Dr. P. Venkata Subba Reddy	Algorithms and Graph Theory
15	Dr. Rashmi Ranjan Rout	Mobile Computing, Wireless Ad-hoc and Sensor Networks, Computer Networks, Distributed Computing, Cyber Physical Systems and Security

B. Consultancy Capabilities in

---

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

S. No	Name of the Equipment	Model/ Brand	Make	Qty	Book Value	Year of Acquisition	Main Application(s)
1	Servers	661190-B21-HP DL360e GEN8 4LFFCTO	--	2	4,99,800	2013	Installed in the laboratory
2	Desktop Computers	HP	--	53	21,30,727	2013	For Laboratory
3	IBM Rational Function Tester	IBM	--	2	3,06,720	2013	Installed in Laboratory
4	Canon Xerox Machine	IR2525	--	1	1,29,754	2013	For Department Use
5	IBM Rational Seed Program	IBM	--	1	1,75,000	2013	Installed in Software Engg. Laboratory
6	Big Data Servers	AM451A- D1+P Proliant DL980G7 SERVER/E7 2830-4Processor	--	1	35,15,624	2014	For Big Data Laboratory

5. MEMBERSHIP in PROFESSIONAL and S&T BODIES

S No	Faculty	Professional Body	Membership
1	Prof. DVLN SOMAYAJULU	Institution of Engineers, India	Fellow
2		Association of Computing Machinery, USA (ACM)	Member
3		Institution of Electrical & Electronic Engineers, USA (IEEE)	Member
4		Indian Society for Technical Education, India (ISTE)	Life Member
5		Computer Society of India (CSI)	Member
6		AICTE Expert Committee	Member
7		NBA Committee	Member
8		Technical Committee Member for TEQIP-II at National Level	Member
1	Prof. B.B. Amberker	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 andInformation Technology (IACSIT)	Senior Member
6		International Association for Cryptologic Research (IACR), USA	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 Information Theory Society	Member
11		Society for Industrial and Applied Mathematics (SIAM)	Member
1	Dr. R.B.V. SUBRAMANYAM	The Institution of Engineers (India)	Associated Member
2		IE(I) Warangal local center 2010-2012	Joint Hon. Secretary
3		The Institution of Engineers (India) for sessions 2012-2014	Hon. Secretary
4		IEEE	Member
1	Sri. S. RAVI CHANDRA	Indian Society for Technical Education, India (ISTE)	Life Member
2		Institution of Engineers (MIE)	Life Member
3		IEEE	Member
1	Dr. R.R. ROUT	Indian Society for Technical Education, India (ISTE)	Life Member
2		IEEE	Member
1	Dr. Ch. Sudhakar	Indian Society for Technical Education, India (ISTE)	Life Member
2		IEEE	Member

6. ADMINISTRATIVE ROLES

A. DEPARTMENTAL

S. No	Role	Faculty – in – charge	Term
1	Department Web Site	Dr. U.S.N. Raju	2014-current

B. INSTITUTIONAL

S. No	Role	Faculty – in – charge	Term
1	Chairman, NBA Accrediation Committee	Prof. T. Ramesh	2014-Current
2	Dean Academic	Prof. D.V.L.N. Somayajulu	02-01-2014 to current
3	Associate Dean Academic	Dr. R.B.V. Subramanyam	02-01-2014 to current
4	Institute Web Incharge	Mr. T. Ramakrishnudu	2013-current
5	Faculty Advisor WSDC	Dr. R.R. Rout	2013-current

BIOTECHNOLOGY DEPARTMENT:

1. ACHIEVEMENTS / AWARDS / INNOVATIONS

S. No.	Name of the Faculty	Nature of the Achievement/ Award / Innovation
1	Dr.K.Narasimhulu	DST Fast track Project for Young Scientists

2. CONFERENCES / SYMPOSIA SESSIONS CHAIRED

S. No.	Name of the Faculty	Event Title	Place	Dates
1	Prof. P. Nageswara Rao, Head	INTERNATIONAL CONFERENCE ON HEALTH, ENVIRONMENT & INDUSTRIAL BIOTECHNOLOGY (BIOSANGAM-2013)	MNIT Allahabad	November 21-23, 2013.

3. INTERNATIONAL VISITS

S. No.	Name of the Faculty	Countries Visited	Organisations Visited	Dates
1	Dr.K.Narasimhulu	USA	Rice University	23-11-2013 to 22-12-2013

4. RESEARCH AND CONSULTANCY EXPERTISE

Research Areas Active in

Bioinformatics
Environmental Biotechnology
Downstream Processing
Bioprocess Engineering
Metabolic Engineering
Gene Therapy
Molecular Parasitology
Cancer Biology
Biosensors
Gene regulation

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

S. No.	Name of the Equipment	Model / Brand	Make	Book Value	Year of Acquisition	Main Application(s)
1	Refrigerated Laboratory Centrifuge	351R	MPW	Rs.5,14,950/-	2013	Used in Biochemistry and Microbiology laboratories
2	FPLC	Akta Prime Plus	GE Healthcare	USD 13,319	2013	Used in Downstream Processing and Microbiology laboratories
3	HPLC	Prominents	Shimadzu	USD 23,000	2013	Used in Downstream Processing and Genetic Engineering laboratories

6. MEMBERSHIP in PROFESSIONAL and S&T BODIES

1. Life Member, Biotech Research Society of India (BRSI)
2. Life Member, Association for promotion DNA finger Printing and other DNA technologies (ADNAT)
3. Biannual Member, International Metabolic Engineering Society (IMES)
4. Annual member, Society for Biological Engineers (SBE)

7. MEMBERSHIP in EDITORIAL BOARDS of RESEARCH JOURNALS

1. Mr. Rama Raju.B: Editorial board member of *Journal of Enzymology and Metabolism* http://www.opensciencepublications.com/indian-journals1/journal-of-enzymology-and-metabolism/editorial-board

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

S. No.	Name	Designation	Additional Duty	Duration	
				From	To
1	Dr.R.Satish Babu	Asst.Professor	Associate NCC officer (ANO)	2013	

9. ADMINISTRATIVE ROLES

A. DEPARTMENTAL

Sl. No.	Role	Faculty-in-charge	Term
1	Faculty-in-charge for III B. Tech. Biotechnology	Sri. Onkara Perumal P	2013-2014
2	Faculty-in-charge for II.B.Tech.Biotechnology, Treasurer for Technical Association of Biotechnology (TAB),Faculty Coordinator for Web Advisory Committee	Dr. Narasimhulu K	2013-2014
3	Department TEQIP coordinator Faculty Advisor Technical Association of Biotechnology(TAB)	Dr. Sreenivasa Rao P	2013-2014
4	Faculty In-charge (Library Advisory Committee). Faculty In-charge (Industrial Tour)	Dr R. Satish Babu	2013-2014
5	Departmental Faculty Incharge- Training & Placement,	Sri. B.Rama Raju	2013-2014
6	Faculty In-Charge, Library Advisory Committee.	Dr.V. Kohila	2013-2014
7	Faculty In-charge (Time Table)	Dr. Prakash Saudagar	2013-2014
8	Faculty In-charge (Telecom and Internet)	Dr. Asim Bikas Das	2013-2014
9	Faculty In-charge (Academic Audit)	Dr.Urmila Saxena	2013-2014
10	Faculty In-charge (Biosafety and Ethics)	Dr.Amitava Bandhu	2013-2014

B. INSTITUTIONAL

Sl. No.	Role	Faculty-in-charge	Term
1	Warden	Mr.Onkara Perumal	2013-2014

SCHOOL OF MANAGEMENT

1. RESEARCH AND CONSULTANCY EXPERTISE

A. Research Areas Active in

- Human resources
- Marketing Management
- Finance
- Economics

B. Consultancy Capabilities in

- Corporate Training, Compensation
- Product development/ CRM/ Time Series Prediction
  Accounting/Financial Services/Tax Services

2. MEMBERSHIP in PROFESSIONAL and S&T BODIES

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

3. 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).
3. **Dr. M Ravindar Reddy** and **Dr. P Ramlal** International Journal of Business and Economic Development, Academy of Business and Retail management (ABRM), Boston, USA.
4. **Dr. M Ravindar Reddy** and **Dr P Ramlal,** International Business Review, ELSEVIER, ISSN: 0969-5931.
5. **Dr. P Ramlal,** International Journal of Human Resource Management, IASET, ISSN (print) 2319-4936, ISSN (online) 2319-4944

4. 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 and Alumni Association	01-07-2010	Till date
2.	Dr.M.Ravindar Reddy	Associate Professor	NCC Officer	July 1995	August 2013
3.	R. Mohan	Associate Professor	Internship, Placement Coordinator and Class coordinator for MBA IInd Year	June,2013	Till date
4.	R. Mohan	Associate Professor	In Charge for Simulation Lab	June,2013	Till date
5.	Dr.K.Padma	Associate Professor	Deputy Registrar	February 2012	January 2014
6.	Dr. K Padma	Associate Professor	Abhyan Club	July 2013	Till date
7.	Dr.P. Ramlal	Assistant Professor	Faculty In charge, School Website Maintenance, Placements Coordinator	June 2012	April 2013
8.	Dr. P Ramlal	Assistant Professor	Class coordinator for MBA Ist Year	June 2013	Till date
9.	Dr. G Sunitha	Assistant Professor	Faculty Coordinator for CURA-14	2013	2014
10	Dr.Ritanjali Majhi	Assistant Professor	On Lean	January 2014.	Till Date
11	Dr.S.L.Tulasi Devi	Assistant Professor	Department Examination in Charge	June 2013	Till date
12	Dr.S.L.Tulasi Devi	Assistant Professor	Department Time Table In Charge	June,2013	Till date
13	Dr.K.Francis Sudhakar	Assistant Professor	Warden and Library In charge	June 2012 June 2013	Till date

MATHEMATICS DEPARTMENT

1. EXTENTION / EXPERT / INVITED LECTURES DELIVERED ELSEWHERE

S. No.	Name of the Faculty	Lecture Title	Place	Dates
1	G.Radhakrishnamacharya	Peristaltic Transport	KU Warangal	May 2013
2	G.Radhakrishnamacharya	An Introduction to Wavelets	Vaagdevi College of Engineering, Warangal	23rd July 2013
3	G.Radhakrishnamacharya	Mathematical Modelling	NIT Warangal	21-25 Oct2013
4	G.Radhakrishnamacharya	Fluid Mechanics Aspects of Micro-Circulation	NIT Warangal	2-6 Dec 2013
5	G.Radhakrishnamacharya	Bio-Fluid Dynamics	VNIT Nagpur	7-8 Dec 2013
6	G.Radhakrishnamacharya	Mathematical Aspects of Wavelets	VNIT Nagpur	7-8 Dec 2013
7	G.Radhakrishnamacharya	Hydro-dynamical Study of Flow in Renal Tubules	Karnataka University, Dharwad	25th Jan 2014
8	G.Radhakrishnamacharya	Stenosis Region Flows	SV University Tirupathi	29th Jan 2014
9	G.Radhakrishnamacharya	Mathematical Modelling	KITS Singapur Warangal	7th March 2014
10	Prof.Y.N.Reddy	BAIL – Solvers	NIT Jamshedpur	22-8—2013
11	Prof.Y.N.Reddy	Differential Difference Equations Solvers	JNTUK Vijayanagaram	27-3-2014
12	Prof.K.N.S.Kasi Viswanadham	Research Methodology	KLU, Vijayawada	15-18, June, 2013

13	Prof.K.N.S.Kasi Viswanadham	Advanced Computational Techniques in Engineering and Science	N.I.T, Warangal	21-25, October, 2013
14	Prof.K.N.S.Kasi Viswanadham	Mathematical Modelling in Engineering	N.I.T, Warangal	2-6, December, 2013
14	Prof.K.N.S.Kasi Viswanadham	Advances in Computational Mathematics	V.N.I.T, Nagpur	9-10, December, 2013
16	Prof.K.N.S.Kasi Viswanadham	Modern Statistical Methods and Information Security	N.I.T, Warangal	20-22, December, 2013
17	Prof.K.N.S.Kasi Viswanadham	Invited talk in International conference "Recent Advances in Mathematics"	Nagpur University, Nagpur	20-23, January, 2014
18	Prof.J.V.Ramana Murthy	Homotopy Analysis	N.I.T, Warangal	Jan 6th 2013
19	Prof.J.V.Ramana Murthy	Dimensional Analysis	N.I.T, Warangal	Jan 16th 2013
20	Prof.J.V.Ramana Murthy	Diffusion Equation – Statistical approach	Vasavi College of Engineering, Hyderabad	Dec 20th 2013
21	Prof.J.V.Ramana Murthy	Very viscous flows	Vasavi College of Engineering and Technology, Nandamuru, AP	Jan 27th 2014
22	Dr. D. Srinivasa charya	Homotopy Analysis method	VNIT Nagpur	6-10 May, 2013
23	Dr. D. Srinivasa charya	Boundary Layer Equations	Vasavi College of Engineering, Hyderabad,	Dec 20th 2013
24	Dr. D. Srinivasa charya	Shooting Method	N.I.T, Warangal	21-25, October, 2013
25	Dr. D. Srinivasa charya	Implicit Finite Difference Method	N.I.T, Warangal	21-25, October, 2013
26	Dr. D. Srinivasa charya	Engineering applications with MATLAB	N.I.T, Warangal	21-25, October, 2013
27	Dr. D. Srinivasa charya	Homotopy Analysis Method - II	N.I.T, Warangal	21-25, October, 2013
28	Dr. D. Srinivasa charya	Lab session on MATLAB	N.I.T, Warangal	21-25, October, 2013
29	Dr. D. Srinivasa charya	Introduction to MATLAB	NIT Raipur	March 10-14, 2014
30	Dr. D. Srinivasa charya	Solving ODE using MATLAB	NIT Raipur	March 10-14, 2014
31	Dr. P. Muthu	Numerical Solution of Navier-Stokes Equations -two Dimensional Flow in Square Cavity" and ``Numerical solution of a fluid flow in a non-uniform channel: Application to renal flow	N.I.T, Warangal	October 21-25, 2013
32	Dr. P. Muthu	Modeling of Infectious Diseases	N.I.T, Warangal	December 2-6, 2013
33	Dr. R. S. Selvaraj	Some Non-empty Intersections of Mathematics and Cryptography	Saveetha Engineering College, Chennai	5th April 2013
34	Dr. R. S. Selvaraj	Primality Testing and Prime Factorization	NIT Warangal	21st Dec. 2013
35	Dr. R. S. Selvaraj	Error-Correcting Codes and Code-based Cryptography	Women's Christian College, Chennai	15th Mar. 2014
36	Dr.T.Kurmayya	Banach fixed point theorem and its applications	VNIT Nagpur	May 6-10,2013
37	Dr.T.Kurmayya	Singular value decomposition and its applications	VNIT Nagpur	May 6-10,2013
38	Dr.T.Kurmayya	Computing Moore-Penrose Inverse	NIT Warangal	Oct 21-25, 2013

2. RESEARCH AND CONSULTANCY EXPERTISE

A. Research Areas Active in

Fluid Mechanics; Bio-Mechanics; Fluid Dynamics; Computational Methods Mathematical Modeling; Computational Fluid Dynamics; Numerical Analysis; Finite Element Method; Operations Research, Optimization and Statistics; Algebraic Coding Theory & Cryptography; Functional Analysis & Matrix Analysis/Operator Theory.

3. MEMBERSHIP in PROFESSIONAL and S&T BODIES

1. **Dr.D.Srinivasacharya:** Life Member of Andhra Pradesh Society for Mathematical Sciences, Indian Society of Theoretical and Applied Mechanics.
2. **Dr.J.Pranitha:** Indian Society of Theoritical and Applied Mechanics; Andhra Pradesh Society for Mathematical Sciences.
3. **Dr.R.S.Selvaraj:** Life member of "Cryptology Research Society of India – CRSI" [ID No. L/497]
4. **Dr.H.P.Rani:** American Mathematical society, International Association of Mathematical Physics, Indian society for heat and mass transfer, Indian Society for Mathematical Modeling & Computer Simulation, HKCS, Hong Kong Computer Society, Hong Kong.
5. **Dr.Ch. Ramreddy:** Life member of Andhra Pradesh Society for Mathematical Sciences (APSMS), Osmania University, Hyderabad, A.P. with membership ID: 513; Life member of Indian Society of Theoretical and Applied Mechanics (ISTAM), IIT Kharagpur, W.B. with membership ID: L/615; Senior member of International Association of Computer Science and Information Technology (IACSIT), Singapore with membership ID: 80343956.

4. MEMBERSHIP in EDITORIAL BOARDS of RESEARCH JOURNALS

1. **Dr. D. Srinivasacharya:** Editor-in-Chief, Universal Journal of Computational Mathematics; Member of Editorial Board, Open Transport Phenomena Journal.
2. **Dr. Ch. Ramreddy:** Member of Editorial Board, Universal Journal of Computational Mathematics; Member of Editorial Board, Research Journal of Pure Science.

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

S. No.	Name	Designation	Additional Duty	Duration	
				From	To
1	Prof.K.N.S.Kasi Viswanadham	Professor	Nodal Officer (Finance) for TEQIP Phase - II	August, 2011	Till Date
2	Prof.K.N.S.Kasi Viswanadham	Professor	Associate Dean (Accounts)	February, 2014	Till Date
3	Prof.J.V.Ramana Murthy	Professor	Nodal Officer for MHRD data	2012	Till Date
4	Prof.J.V.Ramana Murthy	Professor	Head of the Department	Jan 2014	Till Date
5	Prof. D. Dutta	Professor	Deputy Chief Warden	Jan 2014	Till Date
6	Dr.D.Srinivasacharya	Associate Professor	President, Teachers Welfare Association of NIT Warangal	Feb 2014	Till Date
7	Dr.D.Srinivasacharya	Associate Professor	Associate Dean (Examinations)	March 2013	Till Date
8	Dr. P. Muthu	Associate Professor	Warden, Mess -1	01 April 2013	Till Date
9	Dr. R. S. Selvaraj	Assistant Professor	Warden to Godavari Mess	July 2012	Till Date

6. ADMINISTRATIVE ROLES

C. DEPARTMENTAL

S.No.	Role	Faculty-in charge	Term
1	Head of the Department	Prof.K.N.S.Kasi Viswanadham	6th Jan 2012 – 5th Jan 2014
2	Head of the Department	Prof.J.V.Ramanamurthy	6th Jan 2014 –Till Date
3	Course Coordinator for Mathematics-II	Prof.D.Dutta	2013-2014
4	In-charge, Computation Lab	Dr.D.Srinivasacharya	July 2009 –Till Date
5	Faculty Advisor	Dr.Pranitha J	2012-Till Date
6	Time Tables Inc.	Dr.Pranitha J	2010-Till Date
7	Department Library	Dr.A.Benerji Babu	2012 – Till Date.

DEPARTMENT OF PHYSICS

1. EXTENTION / EXPERT / INVITED LECTURES DELIVERED ELSEWHERE

S. No.	Name of the Faculty	Lecture Title	Place	Dates
1	Prof.M. Sai Shankar	Lasers and appliations	CBIT, Hyderabad	27-09-2013

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.	FBG Interrogator	JPFBG-3000	JPhotonics	6.60	
2	Fiber Optic Fusion splicer	FSM-80S	Fujikura, Japan	3.19	To splice Optical fibers
3.	Broad band source	ASE-FL07010	Fiber Labs	2.70	For fiber optic sensing purpose
4	Benchtop Digital multimeter	---	Kiethly	2.48	Precise measurement of Voltage and current
5	Laser diode and components	--	Thorlab	6.86	Coherent light source
6	Benchtop ASE White light source	--	Eagle Photonics	4.06	White light source
7	Dual channel Optical Power and Energy meter and accessories	PM320	Thorlab	5.09	Measurement of Optical power
8	Microheater for Optical fiber pulling, joining	GUHE-10	MHI Micropyretics Heaters International Inc., USA	10.39	Controlled heating of Optical fibers
9	AC and DC current source	--	Peridot Technologies	4.51	Constant current source

4. MEMBERSHIP in PROFESSIONAL and S&T BODIES :

Prof. K. Srimannarayana – Member of OSA, SPIE, Life member OSI
Prof. A.R.C.Reddy – Member of ISTE
Prof. S.V.S. Ramana Reddy – Member of ISTE,INS
Prof. L.Ramgopal Reddy – Member of IEEE, EMBC, ISTE
Prof. M. Sai Shankar – Member of OSA, SPIE, Life member of OSI, IAPT
Prof. R.L.N.Sai Prasad – Member of SPIE, ISTE, IAPT
Dr.K.Venugopal Reddy – Life member of ISTE
Dr. B.Sobha – Member of IEEE, OSA, OSI
Dr.D.Dinakar – Member of SPIE, IEEE, OSA
Dr. Abdul Azeem – Member of Luminescence Society of India
Dr. Sourabh Roy – Member of OSA, IEEE

5. MEMBERSHIP in EDITORIAL BOARDS of RESEARCH JOURNALS: –

6. 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

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 paper award by Natioan Corrosion council of India and CECRI for the paper "Inhibitive effect of phosphonate based surface film on corrosion carbon steel in low chloride environment" S. Srinivasa RAo, D. Sarada Kalyani, M. Sarat Babu, B.V. Appa Rao, B. Sreedhar, National Conference on "Corrosion, Surface Engineering and Tribology, NIT Trichy, April 22-23, 2013
2	Dr. P.V.Srilakshmi	Indo-US fellowship Award for 2013

2. EXTENTION / EXPERT / INVITED LECTURES DELIVERED ELSEWHERE

S. No.	Name of the Faculty	Lecture Title	Place	Dates
1	Prof. B.V.Appa Rao	Voltammetric methods	TEQIP-II sponsored Workshop, MIMICAEM, NIT Warangal	22nd-26th, October, 2013
2	Prof. B.V.Appa Rao	Atomic absorption spectroscopy	TEQIP-II sponsored Workshop, MIMICAEM, NIT Warangal	22nd-26th October, 2013

3	Prof. B.V.Appa Rao	Elecrochemical impedance spectroscopy	TEQIP-II sponsored Workshop, IEST, NIT Warangal	10th -14th December, 2013
4	Prof. B.V.Appa Rao	Electroanalytical techniques	TEQIP-II sponsored Workshop, IEST, NIT Warangal	10th -14th December, 2013
5	Prof. B.V.Appa Rao	Self-assembled organic nano films on copper for corrosion protection	A.P. Science congress., University of Hyderabad, Hyderabad	Nov. 2013
6	Prof. B.V.Appa Rao	X-ray photoelectron spectroscopy for charaterisation of materials in devices	TEQIP-II sponsored Workshop, NIT Warangal	November 2013
7	Prof. B.V.Appa Rao	Chemically modified chitosan for the removal of heavy metals from waste water	Gandhigram university, Gandhigram	March, 2014
8	Prof. B.V. Appa Rao	Student centered learning in higher education	Academic staff college, SV university Thirupathi organized by Amarraja Foundation Schools and Colleges at Thirupathi	7th June 2013
9	Prof. B.V. Appa Rao	1. Child centered and concept based education 2. Chalk board skills in Teaching, learning	Epistema Global School, Hyderabad	7th June 2013
10	Prof. B.V. Appa Rao	Concept based teaching and learning		01-12-2013
11	Prof. A. Ramachandraiah	Fundamentals of Computational Techniques	TEQIP-II sponsored Workshop, PCMCR, NIT Warangal	22nd-26th, September, 2013
12	Prof. A. Ramachandraiah	Voltanimetric Techniques	TEQIP-II sponsored Workshop, MIMICAEM, NIT Warangal	22nd-26th October, 2013
13	Prof. A. Ramachandraiah	Electroanalytical Methods	TEQIP-II sponsored Workshop, IEST, NIT Warangal	10th -14th December, 2013
14	Prof. A. Ramachandraiah	Virtual Experiments in Classroom	TEQIP-II sponsored Workshop, NIT Warangal	-
15	Prof. A. Ramachandraiah	Importance of Chemistry in Daily life	ALM Engineering College, Anakapalli	December 1st , 2013
16	Prof. A. Ramachandraiah	Applications of Spectroscopy in Material Characterization	Chirala College of Engg. and Technology, Chirala,	February 8th, 2014
17	Prof. A. Ramachandraiah	Recent Advances in Molecular Modeling	University of Hyderabad	February, 2014
18	Prof.I. A. K. Reddy	i) Career Planning ii) Builiding Winning Resume, iii) Group discussion Skills iv)Interview Skills	Training Centre at Hasanparthy, Hanamkonda Organized by the office of the District Collector	24th and 31st August and 13th and 21 st September 2013 and also in November and December 2013 For the faculty of Degree and Engineering Institutions of Warangal District.

19	Prof. P. Nageswara Rao	Thermal methods of Analysis (Advances in Pharmaceutical and Analytical Techniques (APAT-2013) and Workshop on Gas Chromatography)	St. Peter's Institute of Pharmaceutical Sciences, Warangal,	6th July 2013
20	Prof. P. Nageswara Rao	Thermal methods of Analysis (National Workshop on AnaalyticalTeqchniques in Research and Analysis,TEQIPSPonsored)	JNTU college of Engg,Pulivendula.	27-28th December 2013
21	Prof. P. Nageswara Rao	Thermal methods of Analysis (Modern Instrumental Methods of Inorganic Chemical Analysis of Engineering Materials)	NIT, Warangal	22nd -26th October 2013
22	Prof. K. Laxma Reddy	Symmetry and Group Theory	Sathavahana University, Karimnagar	17-12-2013
23	Prof. K. Laxma Reddy	Electronic Spectroscopy and its Applications	NIT Warangal	22nd-26th October 2013
24	Prof. K. Laxma Reddy	Teaching with Experiments in Chemistry	Work shop on "Simple Methods Great Concepts" DST Sponsored project to High School Teachers	6th-11th July 2013
25	Prof. K. Laxma Reddy	Opportunities in Science Education and Research	Work shop on "Simple Methods Great Concepts" DST Sponsored project to High School Teachers	26th-30th September 2013
26	Prof. K. Laxma Reddy	Applications of Spectroscopy to Engineering Materials	One day seminar organized by Vasavi Engineering College, Hyd	02.11.2013
27	Prof. Rajeswar Rao	Multi-component in the synthesis of medicinally important heterocyclic compounds	NIT Warangal	November 8-10, 2013
28	Dr.K.V. Gobi	Molecular Imprinted Polymer based Electrodes for Electrochemical Impedimetric Detection of Biomarkers and Explosive Compounds	'Indo □ UK Seminar on Molecular Imprinting: Strategies, Appli-cations and Future Perspectives' at NEERI Nagpur, India.	5th to 7th February, 2014
29	Dr.K.V. Gobi	Nanostructured Composite Materials for Development of Electrochemical Biosensors	National workshop on 'Innovations in Electrochemical Science and Technology' at NIT Warangal.	10th to 14th December, 2013
30	Dr.K.V. Gobi	Portable Biosensors for Artificial Bioreceptors	'Innovations in Materials and Processes and Transfer of Technology to Industries' at NIT Warangal	17th to 19th October, 2013
31	Dr.K.V. Gobi	Biosensors	'Modern Instrumental Methods of Inorganic Chemical Analysis of Engineering Materials' at NIT Warangal.	22nd to 26th October, 2013

32	Dr. Vishnu Shanker	Role of Semiconductor nanoparticles on environmental remediation	NIT Raipur, One week (26th – 30th June 2013) short term course on technical launching on environmental issues.	26th June 2013
33	Dr. Vishnu Shanker	Photocatalytic activity of novel semiconductor materials	Andhra University, Visakhapatnam, National Seminar on Recent Trends and Future Perspective in Materials Science.	28th June 2013
34	Dr. Vishnu Shanker	Photocatalytic activity of semiconductor nanomaterials	NIT Warangal, 5-day (2nd – 6th July 2013) workshop on Navigating New Frontiers in Materials.	3rd July 2013
35	Dr. Vishnu Shanker	Novel semiconductor materials for environmental remediation	Panjab University, Chandigarh, International Conference on Interdisciplinary Areas with Chemical Sciences (30th Oct.-1st Nov. 2013).	30th Oct. 2013
36	Dr. Vishnu Shanker	Photocatalysis	NIT Warangal, National Workshop on Innovations in Materials and Processes and Transfer of Technology to Industries (17th – 19th Oct. 2013).	19th Oct. 2013
37	Dr. Vishnu Shanker	Materials Characterization by SEM, TEM and STEM	NIT Warangal National Workshop on Modern Instrumental Methods of Inorganic Chemical Analysis of Engineering Materials (22nd – 26th Oct. 2013)	23rd Oct. 2013
38	Dr. Vishnu Shanker	Application of Electron Microscopy for Nanotechnology	NIT Warangal National Workshop on Application of Electron Microscopy (9th – 13th Dec. 2013)	11th Dec. 2013
39	Dr. Vishnu Shanker	g-C3N4 based hybrid nanocomposite photocatalyst for environmental application	Katriya Hotel & Towers, Organized by Department of Physics, Nizam College, Osmania University International Conference on Nano, Bio & Materials Sciences	9th Jan. 2014
40	Dr. D. Kashinath	Chemistry: Research and Development	SR Govt. Degree College, Kothagudem, Khammam District	February 28, 2014

3. CONFERENCES / SYMPOSIA SESSIONS CHAIRED

S. No.	Name of the Faculty	Event Title	Place	Dates
1	Prof. B.V. Appa Rao	National Conference on "Recent Advances in Water and waste Water treatment"	Gandhigram Rural Institute, Gandhigram	March 22, 2014
2	Prof. B.V. Appa Rao	Teaching and Evaluation methods for effective learning	NIT Warangal	15-17th July 2013
3	Prof. B.V. Appa Rao	Promoting excellence in research through e-journals	NIT Warangal	12-13th July 2013
4	Prof. B.V. Appa Rao	Innovations in materials and processes and transfer of technologies to industries	NIT Warangal	17-19th October 2013

5	Prof. B.V. Appa Rao	Innovations in electrochemical science and technology	NIT Warangal	10-14 Dec 2013
6	Prof. B.V. Appa Rao	Teaching methods for effective learning	NIT Warangal	5-9 Feb 2014
7	Prof. P. Nageswara Rao	BioSangam-2013(International conference on Health,Environment and Industrial biotechnology)	MNNIT, Allahabad	November 21-23, 2013
8	Prof. P. Nageswara Rao	Emerging Trends in Analytical Sciences (ETAS-2013)	IICT, Hyderabad	27th to 28th November 2013
9	Prof. Rajeswar Rao	Recent Advances in Synthesis and Medicinal Applications of Heterocyclic Compounds (RASMAHC)	NIT Warangal	November 8-10, 2013

4. INTERNATIONAL VISITS

S. No.	Name of the Faculty	Countries Visited	Organizations Visited	Dates
1	Prof. K. Laxma Reddy	USA	Department of Chemistry, Washington University, Seattle	16-06-2013 to 22-06-2013
2	Prof. B. Rajitha	USA	Department of Chemistry and Biochemistry Rowan University, New Jersey	06-03-2014 to 11-03-2014
3	Dr. P.V.Srilakshmi	USA	Arizona State University	24-09-2013 to 23-03-2014

5. RESEARCH AND CONSULTANCY EXPERTISE

A. Research Areas Active in

- Kinetics and Catalysis
- Heterogeneous and nano-catalysis,
- Analytical Chemistry(Instrumental Methods of Analysis)
- Separation Techniques
- Coordination Chemistry
- Environmental Chemistry
- Heterocyclic Chemistry
- Bioorganic Chemistry
- Electrochemical Sensors
- Fuel Cell Electrocatalytic Materials
- Biosensors
- Molecular Imprinted Polymers
- Synthesis and Biological Evaluation of Non-viral Gene Delivery Vectors
- Development Heterocyclic based Pharmaceuticals
- Synthesis of nanostructure and Nanocomposite materials
- Study of photo-catalytic activity and dielectric properties
- Organic Synthesis
- Medicinal Chemistry
- Corrosion prevention and control
- Electro Chemistry
- Self assembled Nanofilms
- Environmental Chemistry

B. Consultancy Capabilities in

- Catalysis and catalytic materials
- Training of Teachers and students
- Separation, identification and characterization of drugs and imputes
- Testing and quantification of Inorganic Materials
- Testing of Materials
- Water Quality & Analysis
- Applications of heterogeneous catalysts
- Development of green methodologies
- Fuel Cell Materials
- Gas-diffusion Electrodes
- Immunosensors, SPR sensors
- Electrochemical- and Bio-sensors
- Organic Synthesis
- Medicinal Chemistry

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	400 MHz NMR Spectrometer	AVHD 400	Bruker	Rs. 2.3 crores	Characterization of materials
2.	Flash Chromatography		CambiFlash	Rs. 20 Lakhs	Separation of organic compounds
3	UPS	Online UPS	Numeric	Rs. 1.94 Lakhs	Restore the electricity
4	FT-IR (Accessories)		Perkin	Rs. 2.81 Lakhs (4500 USD)	Characterization of materials
5	Rota evaporators		Heidolph	Rs. 4.58 Lakhs (4973 Euros)	Evaporation of organic solvents
6	Cryostat-Water circulator pump	MC3i	Ultra (Indian Com.)	Rs. 2.76 Lacks	To assist a rota evaporator

7. MEMBERSHIP in PROFESSIONAL and S&T BODIES

1. Life-Member, Indian Council of Chemists
2. Life- Member, Catalysis Society of India
3. Life-Member, Indian Society for Technical Education
4. Life Member in Indian Chemical Society
5. Life Member in NEERI Journals
6. Life Member in ISTE
7. Life member of Indian Chemical Society
8. Annual member of Indian council of Chemists
9. Indian Society for Electroanalytical Chemistry (ISEAC)
10. Society for Advancement of Electrochemical Science and Technology (SAEST)
11. The Japan Association of Chemical Sensors
12. international Society of Electrochemistry (ISE)
13. Life Membership - Indian Association of Solid State Chemistry and Allied Scientists (ISCAS), Jammu, INDIA.
14. Annual Membership – American Chemical society (ACS), USA.
15. Annual Membership – Royal Society of Chemistry (RSC) UK.
16. Life Fellow of the Society for Advancement of Electrochemical Science and Technology
17. Member, International Society of Electrochemistry
18. Member, American Chemical society
19. Member of the Materials Research Society of India

8. MEMBERSHIP in EDITORIAL BOARDS of RESEARCH JOURNALS

1. Associate Editor of VRI Biological Medicinal Chemistry journal (Prof. B.Rajitha)

2. Associate Editor of Journal of Nano Science Letters (Dr. Vishnu Shanker)

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

S. No.	Name	Designation	Additional Duty	Duration	
				From	To
1	Prof. B. V. Appa Rao	Professor	Professor-in-charge of Centre for Innovation and Incubation	01-07-2012	Continuing
2	Prof. B. V. Appa Rao	Professor	IPR cell	01-07-2012	Continuing
3	Prof. B. V. Appa Rao	Professor	Memoranda of Understanding	01-07-2012	Continuing
4	Prof. B. V. Appa Rao	Professor	Planning and advices of new proposals, Dept. of Chemistry	01-07-2012	Continuing
5	Prof. A. Ramachandraiah	Professor	Dean, Research & Consultancy	01-07-2012	Continuing
6	Prof. G.V.P. Chandramouli	Professor	Dean, Faculty Felware	01-07-2012	Continuing
7	Dr.. I. A. K. Reddy	Professor	Member, Departmental Purchase Committee	June 2012	To date
8	Dr. I. A. K. Reddy	Professor	Incharge, Minor Equipment of the Department	June 2011	To date
9	Dr .I .A .K. Reddy	Professor	Coordinator, I year M.Sc. Chemistry (DDPP & MMCA) Programs	June 2012	To date
10	Dr. P. Nageswara Rao	Professor	Head Biotech Department	1-07-2013	Continuing
11	Dr. P. Nageswara Rao	Professor	Chairman for Library	1-7-2012	Continuing
12	Dr. P. Nageswara Rao	Professor	Secretary for RECOCCS		Continuing
13	Dr. B. Rajitha	Professor	Head, Department of Chemistry	02-01-2013	Continuing
14	Dr. Vishnu Shanker	Asst. Professor	Faculty In-Charge of Hindi Rajbhasa	Nov. 2008	till date
15	Dr. Vishnu Shanker	Asst. Professor	Faculty advisor of Nature Club	Jan. 2014	till date

10. ANY OTHER SIGNIFICANT INFORMATION

Actively involved in propagation of Scientific Temper among the masses and also in community service through Jana Vignana Vedika, AP (Prof. K.Laxma Reddy)

Facilitated procurement of e-journals from different e-resources among all NITs (Prof. B.V.Appa Rao)

Editor, Vidyarthi Chekumuki, children's science monthly (Prof. A. Ramachandraiah)

HUMANITIES AND SOCIAL SCIENCES DEPARTMENT:

1. EXTENTION / EXPERT / INVITED LECTURES DELIVERED ELSEWHERE

S. No.	Name of the Faculty	Lecture Title	Dates
1	Prof D.S.Kesava Rao	Problems and challenges in the English classroom	December 2013
2	Dr. K. Madhavi	'New Paradigms of Learning' and 'Task Based Teaching'	February 2014
3	Dr. K. Madhavi	'Writing Skills'	February 2014
4	Dr. K. Madhavi	'Intricacies of Research Writing'	25th January 2014.
5	Dr. K. Madhavi	Dealing with Text -2 'Epitome of Wisdom'	13th December 2013
6	Dr. K. Madhavi	'Functional English and Technical Report Writing'	16th September 2013
7	Dr. K. Madhavi	ICT- Information & Communication Technology"	27th June 2013
8	Dr. K. Madhavi	CALL-Computer assisted Language Learning	21 Jun 2013
9	Dr. K. Madhavi	"Testing grammar and vocabulary"	14th June 2014
10	Dr. K. Madhavi	Common Test Techniques and Testing various language skills	12th June 2014.
11	Dr. K. Madhavi	Designing Syllabus –Needs Analysis and Designing Materials (TBLT)	07th June 2014.
12	Dr. K. Madhavi	"Critical Thinking	06th June 2013
13	Dr. K. Madhavi	Language Learning Vs Acquisition SLA and Teaching of Basic Language Skills	17th May 2013

2. RESEARCH AND CONSULTANCY EXPERTISE

Research Areas Active in

British literature
Commonwealth literature
ELT
Bilingualism and bilingual education

Genre analysis
Critical pedagogy
Cultural politics in language teaching
Academic writing
Academic reading
Multiple intelligences

3. MEMBERSHIP in PROFESSIONAL and S&T BODIES

- ELTAI English Language Teachers Association, Chapter, Chennai.
- ELT Voices, INDIA Journal, GUJARAT
- JNTU Forum of Musings, JNTU College of Engineering, Hyderabad

4. MEMBERSHIP in EDITORIAL BOARDS of RESEARCH JOURNALS

- Member on BOS Committee JNTUH, Kukatpally, Hyderabad
- Member on BOS Committee GRIET, Bachupally.
- Member on BOS Committee for VNR VJIT, Bachupally.
- Executive Editor, The Forum for Musings, JNTU Journal of English studies,
- Member Editorial Board Sreenidhi's Journal of English Studies SNIST

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

S. No.	Name	Designation	Additional Duty	Duration	
				From	To
1	Madhavi Kesari	Assistant Professor	ELCS Lab in charge	Jan 14	Till date
2	Madhavi Kesari	Assistant Professor	Newsletter editor (Assistant)	Nov, 2013	Till date
3	Madhavi Kesari	Assistant Professor	TWANIT Executive Council Member	Feb 2014	Till date
4	M.R.Vishwanathan	Assistant Professor	Library Committee member	June 2012	Till date
5	M.R.Vishwanathan	Assistant Professor	L&D staff club advisor	Jan 2014	March 2014
6	M.R.Vishwanathan	Assistant Professor	Newsletter editor (Assistant)	Feb 2014	Till date

11.0 ACTIVITIES OF TECHNICAL ASSOCIATIONS

STUDENT HOBBY CLUBS DURING THE YEAR 2013-2014

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

EVENTS CONDUCTED BY VARIOUS CLUBS IN THE INSTITUTE DURING THE ACADEMIC YEAR 2013 – 2014

Sl. No.	Name of the Club	Events Conducted during 2013 – 2014
1.	Photography Club	Freshers Event, Spring Spree, Technozion, Photography Workshop, UNVEIL NITW
2.	Science & Hobbies Club	Freshers Event, Spring Spree, Technozion
3.	Dance & Dramatics Club	Freshers Event, Spring Spree, Technozion, Dance Premier League
4.	Music Club	Freshers Event, Spring Spree, Technozion, Open Air Night, ZEROTH Day, Audi Night, Performances at Ramoji Film City
5.	SPIC – MACAY Heritage Club	Freshers Event, Spring Spree, Technozion, Classical & Cultural Programmes inviting Eminent Artistes
6.	Painting Club	Freshers Event, Spring Spree, Technozion, Photos of the Week, Photoshop Workshop, Video Editing Workshop, War of Photographers, Photography Week, Photo Walk, Just a Pic, Snap Bucket
7.	LAN RADIO Club	Freshers Event, Spring Spree, Technozion, Man Ka Radio
8.	Honey Bee NITW Students Chapter	Freshers Event, Spring Spree, Technozion
9.	Literary & Debating Club	Freshers Event, Spring Spree, Technozion, AAGHAZ, Srijan, Mock press, Lantern, Khulja Sim Sim, Manthan, Debate, Arz Kiya Hai, Jabardasth, Yaahoo, Just a Minute, Bollywood Dhamaal, Srujanathmaka Rachana, Khichdi, Student of the Year
10.	Quiz Club	Freshers Event, Spring Spree, Technozion
11.	Electronic Amateurs & HAM Club	Freshers Event, Spring Spree, Technozion, Workshop on Embedded Robotics (FOX Hunt), Co – Auduino, Extreme Circuiting, Basic Robotics Workshop, Hobby Circuiting, A Demo on PCs, Mobile Controlled Robotics, Treasure Hunt
12.	Nature Club	Freshers Event, Spring Spree, Technozion, Common and Botanical Names to the Trees in the Campus, Beg Borrow Steal, Treasure Hunt, A Minute to Win it, Trash Morphing, SAC Race, Green Diwali, Snake Show
13.	Innovation & Entrepreneurship Club	Freshers Event, Spring Spree, Technozion, Innomania, Organized Expert Lectures
14.	Value Education Club	Freshers Event, Spring Spree, Technozion, Student of the Year, Clean Room Competition, VISION, Guest Lecture on Potential ++, Prayas, Bbhagawad Gita Contest, Classical Music Competition, Work shop on Value Education, Awareness Programme for Holi spreading importance of NATURAL COLORS, Social activities with Deaf and Dumb

15.	The Institute of Engineers (INDIA) NITW Students' Chapter	Freshers Event, Spring Spree, Technozion, The Aerospace Initiative Inaugural Event, Engineers Quiz, Aero space Quiz, Video Collection, PMM Launch, Project of the year and Research Paper of the year
16.	ISTE Students' Chapter	Freshers Event, Spring Spree, Technozion
17.	Youth Red Cross	Freshers Event, Spring Spree, Technozion, Mission Green NITW, Visit to Villages, Village Adoption Programmes, Blood Donation Drives, Blood Donation Camps, Books and Clothes Donation at Orphanages, Career Guidance Programme, SOCH, Eradicate, Go Green Cycle Race, Veer Nari (Womens Day Celebration), Tree Plantation Programme
18.	Forum for International Student Affairs	Freshers Event, Spring Spree, Technozion, Cooking Competition – MASTER CHEF, PORTRAIT ETHOS, HALLOWEEN BASH, Sports and Games Competition
19.	Student Council	Freshers Event, Inaugural Events, Independence Day & Republic Day Celebrations, Spring Spree, Technozion, College Premiere League (CPL) Cricket Matches

टेक्नोजियन 2013
TECHNOZION - 2013 (27-29, December, 2013)



इनौंगरल टेक्नोजियन
Inaugural Technozion



रोबोटिक्स इवेंट में छात्राएं
Students at Robotics Event



टेक्नोजियन में जहाज कारयाक्रम - 2013
Jaahaz - An Event in Technozion - 2013



अविोने RC प्लेन
AVIONE-RC Plane



IBM कांफ्रेंस
IBM Conference



टेक्नोजियन में स्कूल बच्चों का जिला साइंस एक्सिाविशन में जिला कलेक्टर
District Collector with Director in Science Exhibition by School Children in Technozion - 2013

स्प्रिंग स्प्री - 2013
SPRING SPREE - 2013













PART - II

ANNUAL ACCOUNTS AND AUDIT REPORT

2013 - 2014

SIGNIFICANT ACCOUNTING POLICIES AND NOTE TO THE ACCOUNTS

01. **General**: These accounts are prepared on the Historical Cost basis and on the Accounting principles of going concern.

02. **Revenue Recognition**: All Revenue and Expenses are accounted on accrual basis including Interest received on Bank deposits and Govt. Grants.

03. **Fixed Assets**: Fixed assets are stated at cost acquisition and include other direct/indirect and incidental expenses incurred to put them into use. The Institute maintains registers of Fixed Assets etc.; Department wise, Centralized assets register is not maintained. During the year, the Institute has capitalized an amount of Rs.**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 two years except in the case of Library Books / Volumes. In respect of Library Books this item of work is carried out at intervals of not more than 5 years, as the collections in the Central Library are more than 1,50,000 volumes.

06. **Investments**: The Institute invests Provident Fund money in Public 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, Provident Fund Accounts, TEQIP-1, TEQIP-2 and Research Accounts and has shown the total figure in books.

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 as per Auditor advice.

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

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

16. 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.

17. The Financial statements are prepared in the revised formats. During the preparation of the revised financial statements, some accounts balances are grouped under appropriate head separately.

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL			
CONSOLIDATED BALANCE SHEET AS AT 31-03-2014			
			(Amount in Rupees)
SOURCES OF FUNDS	**SCHEDULE**	**Current Year**	**Previous Year**
Corpus Fund	1	3351336205	3137785865
General Fund	2	997968478	1147441478
Designated / Earmarked Funds	3	556845230	372384612
Capital Fund	4	13632185	48527770
Loans / Borrowings	5		
— Secured		0	0
— Unsecured		4851955	4851955
Current Liabilities & Provisions	6	91936900	85017293
TOTAL	**0**	**5016570953**	**4796008973**
APPLICATION OF FUNDS			
Fixed Assets	7		
-- Tangible Assets		2269083992	2147329668
-- Intangible Assets		0	0
-- Capital Work in progress		1199996302	1199996302
Investments	8		
-- Long Term		395112055	210616309
-- Short Term		0	114800000
Current Assets	9	477310062	827398305
Loans, Advanes & Deposits	10	675068542	295868389
TOTAL		**5016570953**	**4796008973**
Notes on Accounts	22		

ARCReddy
Registrar
National Institute of Technology
Warangal

Director
National Institute of Technology
Warangal

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL

SCHEDULES FORMING PART OF CONSOLIDATED BALANCE SHEET AS AT 31-03-2014

SCHEDULE 1- CORPUS FUND	Main College	Provident Fund	TEQIP - I	TEQIP - II	RESEARCH	TOTAL
Balance as at the beginning of the year	2985400000	152385865	0	0	0	3137785865
Add: Contributions towards Corpus	194000000	49947712	0	0	0	243947712
Ded: Asset written off during the year created out of Corpus	0	-30397372	0	0	0	-30397372
BALANCE AT THE YEAR-END	3179400000	171936205	0	0	0	3351336205
SCHEDULE 2- GENERAL FUND	**MAIN COLLEGE**	**Provident Fund**	**TEQIP - I**	**TEQIP - II**	**RESEARCH**	**TOTAL**
Balance as at the beginning of the year	944758644	0	172452051	30230783	0	1147441478
Add: Contributions towards General Fund	0	0	0	70000000		70000000
Add/(Deduct):Balance of net income/(expenditure) transferred from the Income and Expenditure Account	-184740513	0	0	-34732487	0	-219473000
BALANCE AT THE YEAR-END	760018131	0	172452051	65498296	0	997968478
SCHEDULE 3- DESIGNATED/ EARMARKED FUNDS	**MAIN COLLEGE**	**Provident Fund**	**TEQIP - I**	**TEQIP - II**	**RESEARCH**	**TOTAL**
a) Opening Balance of the Funds	372120475	0	0	0	0	372120475
b) Additions to the Funds: (Credit Balance in funds)	649225	0	0	0	0	649225
i. Donations/ Grants	117100000	0	0	0	62775172	179875172
ii. Income from investments made of the Funds	0	0	0	0	0	0
iii. Accrued interest on investmens of the Funds	53159107	0	0	0	0	53159107
iv. Other additions (Specify nature)	112506669	0	0	0	0	112506669
TOTAL (a+b)	655535476	0	0	0	62775172	718310648
c) Utilisation/ Expenditure towards objectives of Funds						
i. Capital Expenditure						
- Fixed Assets	0	0	0	0	0	0
- Others	0	0	0	0	0	0
SUB-TOTAL	0	0	0	0	0	0
ii. Revenue Expenditure						
- Salaries, Wages and Allowances, etc.	0	0	0	0	0	0
- Rent	0	0	0	0	0	0
- Other Administrative expenses	144400783	0	0	0	17064635	161465418
SUB-TOTAL	144400783	0	0	0	17064635	161465418
TOTAL(C)	144400783	0	0	0	17064635	161465418
NET BALANCE AS AT THE YEAR-END (a+b-c)	511134693	0	0	0	45710537	556845230

SCHEDULE 4- CAPITAL FUNDS	MAIN COLLEGE	Provident Fund	TEQIP - I	TEQIP - II	RESEARCH	TOTAL
a) Opening Balance of the Funds	45984339	0	0	0	0	45984339
b) Additions to the Funds: (Credit Balance in funds)	115217	0	0	0	0	115217
i. Donations/ Grants	4036554	0	0	0	0	4036554
ii. Income from investments made on account of Funds	0	0	0	0	0	0
iii. Accrued interest on investmens of the Funds	0	0	0	0	0	0
iv. Other additions (Specify nature)	307830	0	0	0	0	307830
TOTAL (a+b)	50443940	0	0	0	0	50443940
c) Utilisation/ Expenditure towards objectives of Funds						
i. Capital Expenditure						
- Fixed Assets	0	0	0	0	0	0
- Others	0	0	0	0	0	0
SUB-TOTAL	0	0	0	0	0	0
ii. Revenue Expenditure						
- Salaries, Wages and Allowances, etc.	0	0	0	0	0	0
- Rent	0	0	0	0	0	0
- Other Administrative expenses	36811755	0	0	0	0	36811755
SUB-TOTAL	36811755	0	0	0	0	36811755
TOTAL(C)	36811755	0	0	0	0	36811755
NET BALANCE AS AT THE YEAR-END (a+b-c)	13632185	0	0	0	0	13632185

A R C Reddy
Registrar
National Institute of Technology
Warangal

Director
National Institute of Technology
Warangal

SCHEDULE 5 - LOANS / BORROWINGS - SECURED LOANS	MAIN COLLEGE	Provident Fund	TEQIP - I	TEQIP - II	RESEARCH	TOTAL
1. Central Government	0	0	0	0	0	0
2. State Government (Specify)	0	0	0	0	0	0
3. Financial Institutions: a) Term Loans -Int accrued and due	0	0	0	0	0	0
4. Banks:						
a) Term Loans - Interest accrued and due	0	0	0	0	0	0
b) Other Loans (Specify) - Interest accrued and due	0	0	0	0	0	0
5. Other Institutions and Agencies	0	0	0	0	0	0
6. Debentures and Bonds	0	0	0	0	0	0
7. Others (Specify)	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0
Note: Amounts due within one year						

SCHEDULE 5 - LOANS / BORROWINGS - UNSECURED LOANS	MAIN COLLEGE	Provident Fund	TEQIP - I	TEQIP - II	RESEARCH	TOTAL
1. Central Government	4851955	0	0	0	0	4851955
2. State Government (Specify)						
3. Financial Institutions:						
4. Banks:						
a) Term Loans	0	0	0	0	0	0
b) Other Loans (Specify)	0	0	0	0	0	0
5. Other Institutions and Agencies	0	0	0	0	0	0
6. Debentures and Bonds	0	0	0	0	0	0
7. FIXED DEPOSITS	0	0	0	0	0	0
8. Others (Specify)	0	0	0	0	0	0
TOTAL	4851955	0	0	0	0	4851955
Note: Amounts due within one year						

SCHEDULE 6- CURRENT LIABILITIES & PROVISIONS	MAIN COLLEGE	Provident Fund	TEQIP - I	TEQIP - II	RESEARCH	TOTAL
A. CURRENT LIABILITIES						
1. Deposits from staff	0	0	0	0	0	0
2. Deposits from students	0	0	0	0	0	0
3. Sundry Creditors						
a) For Goods & Services	0	0	0	0	0	0
b) Others	0	0	0	0	0	0
4. Advances received						
--- Government of Andhra Pradesh	9031891	0	0	0	0	9031891
5. Interest accrued but not due on:						
a) Secured Loans/ Borrowings	0	0	0	0	0	0
b) Unsecured Loans/Borrowings	0	0	0	0	0	0
6. Statutory Liabilities(GPF, TDS, WC TAX, CPF, GIS, NPS):						
a) Overdue						
b) Others						
--- Sales Tax	1329766	0	0	0	0	1329766
--- Profession Tax	183463	0	0	0	0	183463
--- Income Tax	129869	0	0	0	0	129869
--- LIC (SSS)	-181	0	0	0	0	-181
--- GLIS	42033	0	0	0	0	42033
--- Staff Contribution for NPS Scheme	-10503	0	0	0	0	-10503
--- Labour Commissioner (CESS)	-180	0	0	0	0	-180
--- Provident Fund Subscription	8000	0	0	0	0	8000
--- EPF	357430	0	0	0	0	357430
--- Seignorage Charges	151586	0	0	0	0	151586
--- Service / Commercial Tax	374579	0	0	0	0	374579
7. Other Current Liabilities:						
a) Salaries	0	0	0	0	0	0
b) Receipts against sponsored projects	0	0	0	0	0	0
c) Receipts against sponsored fellowships&scholarships	0	0	0	0	0	0
d) Unutilised Grants	0	0	0	0	0	0
e) Grants in advance	0	0	0	0	0	0
f) Other funds - Other Deposits (As per Annex)	67237708	0	770	601610	0	67840088
g) Other liabilities						0
--- Payable to AP State Government	1188468	0	0	0	0	1188468
--- Outstanding Liabilities	7893762	0	0	0	0	7893762
--- NIT Warangal / Interest Suspense	0	176135	0		24295	200430
--- Library Books purchased out of student funds	3216399	0	0	0	0	3216399
TOTAL (A)	91134090	176135	770	601610	24295	91936900

Registrar
National Institute of Technology
Warangal

Director
National Institute of Technology
Warangal

B. PROVISIONS						
1. For Taxation	0	0	0	0	0	0
2. Gratuity	0	0	0	0	0	0
3. Superannuation/ Pension	0	0	0	0	0	0
4. Accumulated Leave Encashment	0	0	0	0	0	0
5. Expenses Payable	0	0	0	0	0	0
6. Trade Warranties/ Claims	0	0	0	0	0	0
7. Others (Specify)	0	0	0	0	0	0
TOTAL (B)	0	0	0	0	0	0
TOTAL (A+B)	91134090	176135	770	601610	24295	91936900

SCHEDULE 7 - FIXED ASSETS	MAIN COLLEGE	Provident Fund	TEQIP - I	TEQIP - II	RESEARCH	TOTAL
I. Land						
a) Freehold Land	1	0	0	0	0	1
b) Leasehold Land	0	0	0	0	0	0
II) Buildings	0	0	0	0	0	0
a) Freehold Land	1451191973	0	14702290	0	0	1465894263
b) Leasehold Land	0	0	0	0	0	0
c) Ownership Flats / Premises	0	0	0	0	0	0
d) Superstructures on Land not belonging to the entity	0	0	0	0	0	0
III) Plant, Machinery and Equipment	474286251	0	104287799	41715492	0	620289542
IV) Vehicles	2678648	0	0	0	0	2678648
V) Furniture & Fixtures	73439323	0	5305346	1200821	0	79945490
VI) Office Equipment	0	0	8424982	0	0	8424982
VII) Computer / Peripherals	29291382	0	11740161	0	0	41031543
VIII) Electric Installations	340000	0	0	0	0	340000
IX) Library Books	13769720	0	27992243	5579010	0	47340973
X) Tubewells and Watersupply	0	0	0	0	0	0
XI) Other Fixed Assets	3138550	0	0	0	0	3138550
TOTAL OF CURRENT YEAR	2048135848	0	172452821	48495323	0	2269083992
PREVIOUS YEAR	1962951058	0	0	0	0	1962951058
XII) CAPITAL WORK-IN-PROGRESS	1199996302	0	0	0	0	1199996302
Transfer to Assets	0	0	0	0	0	0
B. Net Work-in-Progress	1199996302	0	0	0	0	1199996302
TOTAL	3248132150	0	172452821	48495323	0	3469080294

SCHEDULE 8- INVESTMENTS

INVESTMENTS FROM EARMARKED/ ENDOWMENT FUNDS	MAIN COLLEGE	Provident Fund	TEQIP - I	TEQIP - II	RESEARCH	TOTAL
1. In Central Government Securities	0	0	0	0	0	0
2. In State Government Securities	0	0	0	0	0	0
3. Other Approved Securities	0	0	0	0	0	0
4. Shares	0	0	0	0	0	0
5. Debentures and Bonds	0	0	0	0	0	0
6. Others (to be specified)						0
— Fixed Deposits with Banks (Endowment Funds)	4372789	105300000	0	0	0	109672789
— Corpus Fund	269065214	0	0	0	0	269065214
— Maintenance Fund	4736705	0	0	0	0	4736705
— Depreciation Fund	6527841	0	0	0	0	6527841
— Staff Development Fund	5109506	0	0	0	0	5109506
TOTAL	289812055	105300000	0	0	0	395112055

INVESTMENTS OTHERS	MAIN COLLEGE	Provident Fund	TEQIP - I	TEQIP - II	RESEARCH	TOTAL
1. In Central Government Securities	0	0	0	0	0	0
2. In State Government Securities	0	0	0	0	0	0
3. Other Approved Securities	0	0	0	0	0	0
4. Shares	0	0	0	0	0	0
5. Debentures and Bonds	0	0	0	0	0	0
6. Others (to be specified)	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0

ARCReddy
Registrar
National Institute of Technology
Warangal

Director
National Institute of Technology
Warangal

SCHEDULE 9- CURRENT ASSETS	MAIN COLLEGE	Provident Fund	TEQIP - I	TEQIP - II	RESEARCH	TOTAL
1. Stock:						
a) Stores and Spares						
— Central Stores	15472	0	0	0	0	15472
— Steel	85660	0	0	0	0	85660
b) Loose Tools						
c) Publications						
2. Sundry Debtors:						
a) Debts outstanding for a period exceeding six months	0	0	0	0	0	0
b) Others						
— LC Suspense	30997859	0	0	0	0	30997859
— FDD's	4539812	0	0	0	0	4539812
— Fee Receivable	0	0	0	0	0	0
— Plan Grant and Non Plan Grant Receivable	0	0	0	0	0	0
3. Cash Balances in hand (incl cheques/ drafts and imprest)						
— Main Cash Balance	1225156	0	0	0	0	1225156
— Petty Cash Balance	28330	0	0	0	0	28330
— Imprest with Department	292889	0	0	0	0	292889
4. Bank Balances (to be further classified as pertaining to earmarked fund or otherwise)						
a) With Scheduled Banks:						
- In Current Accounts	54887239	0	0	17144583	14183843	86215665
- In Term Deposit Accounts - STDR	300077355	0	0	0	30000000	330077355
- In Savings Accounts	916468	22915396	0	0	0	23831864
b) With Non-Scheduled banks:						
- In Current Accounts	0	0	0	0	0	0
- In Term Deposit Accounts	0	0	0	0	0	0
- In Savings Accounts	0	0	0	0	0	0
5. Post Office- Savings Accounts						
TOTAL	393066240	22915396	0	17144583	44183843	477310062

SCHEDULE 10- LOANS, ADVANCES & DEPOSITS	MAIN COLLEGE	Provident Fund	TEQIP - I	TEQIP - II	RESEARCH	TOTAL
1. Advances to employees (Non-interest bearing):						
a) Salary	0	0	0	0	0	0
b) Festival	205875	0	0	0	0	205875
c) LTC	571047	0	0	0	0	571047
d) Medical Advance	0	0	0	0	0	0
e) Others (to be specified)	0	0	0	0	0	0
2. Long Term Advances to employees (Interest bearing)						
a) Vehicle loan	0	0	0	0	0	0
b) Home Loan	0	0	0	0	0	0
c) Others (to be specified)	0	0	0	0	0	0
3. Advances and other amounts recoverable in cash or in kind or for value to be received:						
a) On Capital Account	0	0	0	0	0	0
b) To Suppliers	0	0	0	0	0	0
c) Others	0	0	0	0	0	0
4. Prepaid Expenses						
a) Insurance	0	0	0	0	0	0
b) Other Expenses	0	0	0	0	0	0
5. Deposits						
a) Telephone	27200	0	0	0	0	27200
b) Lease Rent	0	0	0	0	0	0
c) Electricity	0	0	0	0	0	0
d) AICTE, if applicable	0	0	0	0	0	0
e) MCI, if applicable	0	0	0	0	0	0
f) Others(to be specified) Dep with other Dept (As per Anx)	8000954	0	0	0	0	8000954
6. Income Accrued:						
a) On Investments from Earmarked/ Endowment Funds	0	0	0	0	0	0
b) On Investments- Others	0	43896944	0	0	0	43896944
c) On Loans and Advances	0	0	0	0	0	0
d) Others (includes income due unrealized-Rs._____)	0	0	0	0	0	0
7. Other Receivables						
a) Debit balances in Sponsored Projects(Capital Funds)	115217	0	0	0	0	115217
b) Debit balances in Fellowship & Scholarship	0	0	0	0	0	0

Registrar
National Institute of Technology
Warangal

Director
National Institute of Technology
Warangal

c) Grants Recoverable	0	0	0	0	0	0
d) Other receivables -						
— Other Dept / Contractors including CPWD / Advances	619591091	0	0	460000	1550989	621602080
--- Research Schemes (Dr Bal in EMF)	649225	0	0	0	0	649225
--- Receivable from NIT, NEW DELHI	0	0	0	0	0	0
8. Claims Receivable	0	0	0	0	0	0
TOTAL	629160609	43896944	0	460000	1550989	675068542

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL

SCHEDULES FORMING PART OF INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR 2013-14

SCHEDULE 11- ACADEMC RECEIPTS

FEE FROM STUDENTS	Main College	Provident Fund	TEQIP - I	TEQIP - II	RESEARCH	TOTAL
A. Academic						
1.Tution fee	127706536	0	0	0	0	127706536
2. Admission fee	405000	0	0	0	0	405000
3. Enrolment fee	0	0	0	0	0	0
4. Library Admission fee	0	0	0	0	0	0
5. Laboratory fee	0	0	0	0	0	0
6. Art & Craft fee	0	0	0	0	0	0
7. Registration fee	0	0	0	0	0	0
8. Syllabus fee	0	0	0	0	0	0
TOTAL (A)	**128111536**	**0**	**0**	**0**	**0**	**128111536**
B. Examinations						
1. Admission Test fee	0	0	0	0	0	0
2. Annual Examination fee	0	0	0	0	0	0
3. Marksheet, Certificate fee	0	0	0	0	0	0
TOTAL (B)	**0**	**0**	**0**	**0**	**0**	**0**
C. Other fees						
1. Identity Card fee	160000	0	0	0	0	160000
2. Fine/ Miscellaneous fee	0	0	0	0	0	0
3. Medical fee	0	0	0	0	0	0
4. Transportation fee	0	0	0	0	0	0
5. Hostel fee	0	0	0	0	0	0
TOTAL (C)	**160000**	**0**	**0**	**0**	**0**	**160000**
D. Sale of Publications						
1. Sale of Syllabus and Question paper, etc.	0	0	0	0	0	0
2. Sale of Prospectus including admission forms	991440	0	0	0	0	991440
TOTAL (D)	**991440**	**0**	**0**	**0**	**0**	**991440**
GRAND TOTAL (A+B+C+D)	**129262976**	**0**	**0**	**0**	**0**	**129262976**

SCHEDULE 12- GRANTS AND DONATIONS

	Main College	Provident Fund	TEQIP - I	TEQIP - II	RESEARCH	TOTAL
1. Central Government	501000000	0	0	0	0	501000000
2. State Government(s)	0	0	0	0	0	0
3. Government Agencies	0	0	0	0	0	0
4. Institutions/ Welfare Bodies	0	0	0	0	0	0
5. International Organisations	0	0	0	0	0	0
6. Others (Specify)	0	0	0	0	0	0
TOTAL	501000000	0	0	0	0	501000000

ARCReddy
Registrar
National Institute of Technology
Warangal

Director
National Institute of Technology
Warangal

SCHEDULE 13- INCOME FROM INVESTMENTS

Investment from Earmarked/ Endowment Fund	Main College	Provident Fund	TEQIP - I	TEQIP - II	RESEARCH	TOTAL
1. Interest						
a) On Govt. Securities	0	0	0	0	0	0
b) Other Bonds/ Debentures	0	0	0	0	0	0
2. Income received						
a) Each Fund separately	0	0	0	0	0	0
3. Income Accrued						
a) Each Fund separately	0	0	0	0	0	0
4. Others (Specify)	0	0	0	0	0	0
TOTAL	**0**	**0**	**0**	**0**	**0**	**0**
TRANSFERRED TO EARMARKED/ ENDOWMENT FUNDS	**0**	**0**	**0**	**0**	**0**	**0**

SCHEDULE 14- OTHER INCOME

A.Income from Land & Building	Main College	Provident Fund	TEQIP - I	TEQIP - II	RESEARCH	TOTAL
1. Hostel Room Rent	20062666	0	0	0	0	20062666
2. License fee	1167613	0	0	0	0	1167613
3. Hire Charges of Auditorium/Play ground/Convention Centre,etc. incl GH	223350	0	0	0	0	223350
4. Electricity & Water Chrges	11946904	0	0	0	0	11946904
Total (A)	**33400533**	**0**	**0**	**0**	**0**	**33400533**
B. Sale of Institute's Publications	**0**	0	0	0	0	0
C. Income from from holding events						
1.Gross Receipts from annual function/sports carnival	0	0	0	0	0	0
Less : Direct Expenditure incurred on the annual function/sports carnival	0	0	0	0	0	0
2. Gross Receipts from fetes	0	0	0	0	0	0
Less : Direct Expenditure incurred on the fetes	0	0	0	0	0	0
3. Gross Receipts for educational tours	0	0	0	0	0	0
Less : Direct Expenditure incurred on the tours	0	0	0	0	0	0
4. Others (to be specified and separately disclosed)	0	0	0	0	0	0
TOTAL(C)	**0**	**0**	**0**	**0**	**0**	**0**
D. Interest on Term Deposits:						
a) With Scheduled Banks	25993345	13111857	0	2236780	0	41341982
b) With Non- Scheduled Banks	0	0	0	0	0	0
c) With Institutions	0	0	0	0	0	0
d) Others	0	0	0	0	0	0
TOTAL(D)	**25993345**	**13111857**	**0**	**2236780**	**0**	**41341982**
E. Interest on Savings Accounts:						
a) With Scheduled Banks	0	448086	0	0	0	448086
b) With Non- Scheduled Banks	0	0	0	0	0	0
c) With Institutions	0	0	0	0	0	0
d) Others	0	0	0	0	0	0
TOTAL(E)	**0**	**448086**	**0**	**0**	**0**	**448086**
F. Interest on Loans:						
a) Employees/ Staff	0	0	0	0	0	0
b) Others	0	0	0	0	0	0
TOTAL(F)	**0**	**0**	**0**	**0**	**0**	**0**
G. Interest on Debtors and Other Receivables	0	0	0	0	0	0
H. Others						
1. Income from Consultancy	0	0	0	0	0	0
2. RTI Fees	0	0	0	0	0	0
3. Income from Royalty	0	0	0	0	0	0

Registrar
National Institute of Technology
Warangal

Director
National Institute of Technology
Warangal

4. Sale of application form (recruitment)	0	0	0	0	0	0
5. Misc. receipts (Sale of tender form, waste paper, etc.)	2308292	0	0	1696521	0	4004813
6. Profit on Sale/ Disposal of Assets:						
a) Owned Assets	0	0	0	0	0	0
b) Assets acquired out of grants, or received free of cost	0	0	0	0	0	0
TOTAL(H)	**2308292**	**0**	**0**	**1696521**	**0**	**4004813**
GRAND TOTAL (A+B+C+D+E+F+G+H)	**61702170**	**13559943**	**0**	**3933301**	**0**	**79195414**

SCHEDULE 15- STAFF PAYMENTS & BENEFITS

	Main College	Provident Fund	TEQIP - I	TEQIP - II	RESEARCH	TOTAL
a) Salaries and Wages	518581791	0	0	1020928	0	519602719
b) Allowances and Bonus	0					
c) Contribution to Provident Fund	0					
d) Contribution to Other Fund (Specify)	0					
e) Staff Welfare Expenses	3402287	0	0	0	0	3402287
f) Retirement and Terminal Benefits	0	0	0	0	0	0
g) LTC facility	0	0	0	0	0	0
h) Medical facility	4495211	0	0	0	0	4495211
i) Children Education Allowance	0	0	0	0	0	0
j) Honorarium	0	0	0	0	0	0
k) TA/ DA Expenses	5205152	0	0	0	0	5205152
l) Others (Specify)	0	0	0	0	0	0
--- Amenities to Staff & Students	290000	0	0	0	0	290000
--- Daily wage / consolidated / Outsourcing charges	20150330	0	0	0	0	20150330
TOTAL	**552124771**	**0**	**0**	**1020928**	**0**	**553145699**

SCHEDULE 16- ACADEMIC EXPENSES

	Main College	Provident Fund	TEQIP - I	TEQIP - II	RESEARCH	TOTAL
a) Laboratory Expenses	0					
b) Field work/ Participation	0					
c) Seminar/ Workshop	7037136	0	0	0	0	7037136
d) Payment to Visiting Faculty - Contingency for Spl Faculty & Allowances	10519698	0	0	0	0	10519698
e) Examination	0	0	0	0	0	0
f) Student Welfare expenses	0	0	0	0	0	0
g) Admission expenses	0	0	0	0	0	0
h) Convocation expenses	596570	0	0	0	0	596570
i) Publications	0	0	0	0	0	0
j) Stipend/ means-cum-merit scholarship	109439178	0	0	0	0	109439178
k) Subscription expenses	0	0	0	0	0	0
l) Others (Specify)	0	0	0	0	0	0
--- Professional Development Allowance	12267557	0	0	0	0	12267557
TOTAL	**139860139**	**0**	**0**	**0**	**0**	**139860139**

Registrar
National Institute of Technology
Warangal

Director
National Institute of Technology
Warangal

SCHEDULE 17- ADMINISTRATIVE AND GENERAL EXPENSES

	Main College	Provident Fund	TEQIP - I	TEQIP - II	RESEARCH	TOTAL
a) Electricity and Power	60513521	0	0	0	0	60513521
b) Water charges	0	0	0	0	0	0
c) Insurance	0	0	0	0	0	0
d) Rent, Rates and Taxes (including property tax)	0	0	0	0	0	0
e) Postage and telegram	0	0	0	0	0	0
f) Telephone and Internet Charges	7629726	0	0	0	0	7629726
g) Printing and Stationary	1849912	0	0	0	0	1849912
h) Travelling and Conveyance Expenses	0	0	0	0	0	0
i) Expenses on Seminar/ Workshops	0	0	0	0	0	0
j) Hospitality	0	0	0	0	0	0
k) Auditor's Remuneration	144720	0	0	0	0	144720
l) Professional Charges - Legal Charges	457560	0	0	0	0	457560
Balance C/d	**70595439**	**0**	**0**	**0**	**0**	**70595439**
Balance B/d	70595439	0	0	0	0	70595439
m) Advertisement and Publicity	2020170	0	0	0	0	2020170
n) Magazines and Journals	0	0	0	0	0	0
o) Others (Specify)						
— DOC - Contingent Expenses	7191329	0	0	0	0	7191329
— Security Staff Salaries (Temporary Staff)	11215284	0	0	0	0	11215284
— Conservancy Charges	0	0	0	0	0	0
— Guest House Charges	653183	0	0	0	0	653183
— Other Miscellaneous Expenses	1196369	0	0	37644860	0	38841229
— Interest on Provident Fund	0	13624718	0	0	0	13624718
TOTAL	**92871774**	**13624718**	**0**	**37644860**	**0**	**144141352**

SCHEDULE 18- TRANSPORTATION EXPENSES

	Main College	Provident Fund	TEQIP - I	TEQIP - II	RESEARCH	TOTAL
1. Vehicles (owned by educational institution)						
a) Running Expenses	1268666	0	0	0	0	1268666
b) Repairs and Maintenance	0	0	0	0	0	0
c) Insurance Expenses	0	0	0	0	0	0
2. Vehicles taken on Rent/ Lease						
a)Rent/ Lease Expenses	0	0	0	0	0	0
TOTAL	**1268666**	**0**	**0**	**0**	**0**	**1268666**

SCHEDULE 19- REPAIRS AND MAINTENANCE

	Main College	Provident Fund	TEQIP - I	TEQIP - II	RESEARCH	TOTAL
a) Building	89840931	0	0	0	0	89840931
b) Furnitures and Fixtures	0	0	0	0	0	0
c) Plant and Machinery	0	0	0	0	0	0
d) Office Equipment	739378	0	0	0	0	739378
e) Cleaning materials and services	0	0	0	0	0	0
f) Others (Specify)	0	0	0	0	0	0
TOTAL	**90580309**	**0**	**0**	**0**	**0**	**90580309**

SCHEDULE 20- FINANCE COSTS

	Main College	Provident Fund	TEQIP - I	TEQIP - II	RESEARCH	TOTAL
a) Interest on Fixed Loans	0	0	0	0	0	0
b) Interest on Other Loans	0	0	0	0	0	0
c) Bank Charges	0	0	0	0	0	0
d) Others (Specify)	0	0	0	0	0	0
TOTAL	**0**	**0**	**0**	**0**	**0**	**0**

PR Reddy
Registrar
National Institute of Technology
Warangal

Director
National Institute of Technology
Warangal

SCHEDULE 21- OTHER EXPENSES

	Main College	Provident Fund	TEQIP - I	TEQIP - II	RESEARCH	TOTAL
a) Provision for Bad and Doubtful Debts/ Advances	0	0	0	0	0	0
b) Irrecoverable Balances Written-off	0	0	0	0	0	0
c) Others (Specify)	0	0	0	0	0	0
TOTAL	**0**	**0**	**0**	**0**	**0**	**0**

NATIONAL INSTITUTEOF TECHNOLOGY, WARANGAL

CONSOLIDATED INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31st MARCH 2014

(Amount in Rupees)

SOURCES OF FUNDS	SCHEDULE	Main College	Provident Fund	TEQIP - I	TEQIP - II	RESEARCH	TOTAL	PREVIOUS YEAR
Academic Receipts	11	129262976	0	0	0	0	129262976	303837779
Grants & Donations	12	501000000	0	0	0	0	501000000	470000000
Income from Investments	13	0	0	0	0	0	0	0
Other Income	14	61702170	13559943	0	3933301	0	79195414	97878347
TOTAL (A)		**691965146**	**13559943**	**0**	**3933301**	**0**	**709458390**	**871716126**
EXPENDITURE								
Staff Payments & Benefits	15	552124771	0	0	1020928	0	553145699	500257673
Academic Expenses	16	139860139	0	0	0	0	139860139	112793413
Administrative and General Exp	17	92871774	13624718	0	37644860	0	144141352	120994522
Transportation expenses	18	1268666	0	0	0	0	1268666	1026306
Repairs & Maintenance	19	90580309	0	0	0	0	90580309	34854617
Finance Cost	20	0	0	0	0	0	0	0
Other Expenses	21	0	0	0	0	0	0	0
TOTAL (B)		**876705659**	**13624718**	**0**	**38665788**	**0**	**928996165**	**769926531**
Balance being excess of Income over Expenditure (A-B)		-184740513	-64775	0	-34732487	0	-219537775	109669587
Transfer to / from Designated Fund		0	0	0	0	0	0	0
Building Fund		0	0	0	0	0	0	0
Others if Any		0	0	0	0	0	0	0
Balance being surplus (Deficit) carried to General Fund		**-184740513**	**-64775**	**0**	**-34732487**	**0**	**-219537775**	**109669587**
Notes on Accounts	22							

ARC Reddy
Registrar
National Institute of Technology
Warangal

Director
National Institute of Technology
Warangal

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL

CONSOLIDATED RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31-03-2014

(Amount in Rupees)

RECEIPTS	Current Year	Previous Year	PAYMENTS	Current Year	Previous Year
I. Opening Balances:			I. Expenses		
a) Cash in hand			a) Staff Payments & Benefits	553145699	500257673
— Main Cash Book	588918	153480	b) Academic Expenses	139860139	112793413
— Petty Cash Book	230	192721	c) Administrative & General Expenses	130516672	107487289
— Imprest with Departments	262889	232889	d) Transportation Expenses	1268666	1026306
— Fee Account (Cash)	0	0	e) Repairs & Maintenance	90580309	34854617
			f) Finance Costs	0	0
b) Bank Balances			g) Other Expenses	0	0
— In Current Accounts	205777494	28938603			
— In Deposit Accounts	0	0	II. Payments made against Funds for		
— Savings Account (others)	4434856	4817034	various Projects		
— Fee Bank A/c(Current)	2421046	0	— Capital Fund	53876390	31198763
			— Designated / Earmarked Fund	144400783	157279921
II. Grants Received			— PF Subscription	30397334	66590759
a) From Govt. of India			III. Investments and deposits made		
— Towards General Fund	300322994	419823291	a) Out of Earmarked /Endowment Fund	1545000	0
— Towards Revenue Exp	501000000	481300000	b) Out of Own Funds	582663112	1802097848
— L/Yr Receivable	100000000	0			
III. Income on Investments from			IV. Expenditure on Fixed Assets & CWIP	121754324	90448047
a) Earmarked/Endowment Funds	307830	261642			
b) Own Funds (other Inv)	0	0	V. Refund of Surplus Money / Loans	0	0
IV. Interest Received			VI. Finance Charges	0	0
a) On Bank Deposits incl SB	29813208	37921669	VII. Other Payments		
b) Loans, Advances etc.	0	0	— Statutory Liabilities	86602918	75743499
			— Other Deposits Accounts	12614745	12309420
V. Other Income			— Advances Accounts	409720272	208163912
— Fee from Students	129262976	303837779	— Outstanding Liabilities	12204233	28153813
— Income from L& B	33400533	48243115	— Fee Receivable - 2012-13	0	27335000
— Other Income	4004813	1887257	— Purchases Accounts	55159812	19678800
			— Electricity Deposit	1657829	0
VI. Amount Borrowed	0	0	— EMD / COE / NIT Wgl	21810000	0
			VIII. CLOSING BALANCES		
VII. Any Other Receipts			a) Cash in hand		
— NIT, Delhi Receivable	1742255	660945	— Main Cash Book	1225156	588918
— NIT, Warangal	74295	0			
— EMD / COE	21231610	1130000			
— Capital Fund	66811726	20576182	— Fee Account (Cash)	0	0
— Designated / Earmarked Fnd	282765776	218981681	— Petty Cash Book	28330	230
— Statutory Liabilities	88760941	75882299	— Imprest with Departments	292889	262889
— Other Deposits Accounts	22255670	14522147			
— Advances Accounts	38016673	30415784	b) Bank Balances		
— Outstanding Liabilities	7893762	12204233	— In Current Accounts	70134896	205777494
— Fee Receivable - 2012-13	27335000	0	— In Deposit Accounts	0	0
— Bank Deposits	672025303	1764653466	— Savings Account (Others)	23831865	4434856
— Purchases Accounts	20861344	22268296	— Fees Bank account (Current a/c)	16080769	2421046
	2561372142	3488904513		2561372142	3488904513

ATRcReddy
Registrar
National Institute of Technology
Warangal

Director
National Institute of Technology
Warangal

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL.

TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME - PHASE - II

RECEIPTS AND PAYMENTS FOR THE YEAR ENDING 31-03-2014

(Amount in Rupees)

RECEIPTS	31.03.14	31.03.13	PAYMENTS	31.03.14	31.03.13
I. Opening Balance			I. Expenses		
a) Cash in hand	0	0	a) Establishment Expenses	1020928	413487
b) Cash at Bank - In Current A/c	4274994	237672	b) Administrative Expenses	37644860	9469058
			II. Payments made against Funds for		
II. Grants / Subscription received	70000000	20000000	various Projects	0	0
III. Income on Investments from					
a) Earmarked / Endowment Funds					
b) Own Funds	0	0	III. Investments and Deposits made		
	0	0	a) Out of Earmarked/Endowment funds	0	0
IV. Interest Received			b) Out of Own funds		
a) On Bank Deposits			--- Fixed Deposits / STDR's	35000000	15000000
--- Int on STDR's	2236780	1831156	--- Interest accrued on FDR's	0	0
--- Interest on SB Account	0	0	IV. Expenditure on Fixed Assets&CWIP	36569534	11925789
b) Loans and Advances etc	0	0			
			V. Refund of Surplus Money / Loans	0	0
V. Other Income (Specify)					
— Sale of Tender Schedule (NCB)	16500	0	VI. Finance Charges	0	0
— Training fee Received/ Regn Fee	1680021	41000			
— Misc Receipts	0	3500	VII. Other Payments (Other Deposits)		
VI. Amount Borrowed			— Advances	15702180	160000
			— COE	20000000	
			— EMD	1760000	
VII. Any Other Receipts			VIII. Closing Balances		
— EMD	1231610	1130000	a) Cash in hand	0	0
— Realisation of STDR's / FDR's	50000000	18000000	b) Cash at Bank - In Current A/c	17144583	4274994
— Advances	15402180	0			
— COE	20000000	0			
	164842085	41243328		164842085	41243328

Registrar
National Institute of Technology
Warangal

Director
National Institute of Technology
Warangal

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL.

PROVIDENT FUND ACCOUNT

RECEIPTS AND PAYMENTS FOR THE YEAR ENDING 31-03-2014

(Amount in Rupees)

RECEIPTS	31.03.14	31.03.13	PAYMENTS	31.03.14	31.03.13
I. Opening Balance			I. Expenses		
a) Cash in hand	0	0	a) Establishment Expenses	0	0
b) Cash at Bank	3553936	3972607	b) Administrative Expenses	38	0
II. Grants / Subscription received			II. Payments made against Funds for		
--- Staff Subscription	29057754	24228548	various Projects		
--- Institute Contribution	7265240	5594743	--- Staff Subscription	25547175	48994544
III. Income on Investments from			--- Institute Contribution	4850159	17596215
a) Earmarked / Endowment Funds					
b) Own Funds	0	0	III. Investments and Deposits made		
	0	0	a) Out of Earmarked/Endowment funds	0	0
IV. Interest Received			b) Out of Own funds		
a) On Bank Deposits			--- Fixed Deposits / STDR's	23074700	0
--- Int on STDR's	1134997	3374354	--- Interest accrued on FDR's	0	0
--- Interest on SB Account	448086	433470	IV. Expenditure on Fixed Assets&CWIP	0	0
b) Loans and Advances etc	0	0			
			V. Refund of Surplus Money / Loans	0	0
V. Other Income (Specify)					
			VI. Finance Charges	0	0
VI. Amount Borrowed					
			VII. Other Payments (Other Deposits)	0	0
VII. Any Other Receipts					
			VIII. Closing Balances		
--- Realisation of STDR's / FDR's	34927455	32540973	a) Cash in hand	0	0
			b) Cash at Bank - in Savings Bank A/c	22915396	3553936
	76387468	70144695		76387468	70144695

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL.

RESEARCH ACCOUNTS

RECEIPTS AND PAYMENTS FOR THE YEAR ENDING 31-03-2014

(Amount in Rupees)

RECEIPTS	31.03.14	31.03.13	PAYMENTS	31.03.14	31.03.13
I. Opening Balance			I. Expenses		
a) Cash in hand	0	0	a) Establishment Expenses	0	0
b) Cash at Bank - In Current A/c	0	0	b) Administrative Expenses	0	0
			II. Payments made against Funds for		
II. Grants / Subscription received	0	0	various Projects	17064635	0
III. Income on Investments from					
a) Earmarked / Endowment Funds	0	0			
b) Own Funds	0	0	III. Investments and Deposits made		
			a) Out of Earmarked/Endowment funds	0	0
IV. Interest Received			b) Out of Own funds		
a) On Bank Deposits			--- Fixed Deposits / STDR's	30000000	0
--- Int on STDR's	0	0			
--- Interest on SB Account	0	0	IV. Expenditure on Fixed Assets&CWIP	0	0
b) Loans and Advances etc	0	0			
			V. Refund of Surplus Money / Loans	0	0
V. Other Income (Specify)	0	0			
			VI. Finance Charges	0	0
VI. Amount Borrowed					
			VII. Other Payments (Other Deposits)		
VII. Any Other Receipts			--- NIT, Warangal	50000	0
--- Advances	772000	0	--- Advances	2322989	0
--- NIT Warangal	74295	0	VIII. Closing Balances		
--- Funded Account	62775172		a) Cash in hand	0	0
			b) Cash at Bank - In Current A/c	14183843	0
	63621467	0		63621467	0

ARCReddy
Registrar
National Institute of Technology
Warangal

Director
National Institute of Technology
Warangal

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL
PROVIDENT FUND
INCOME & EXPENDITURE ACCOUNT FOR THE YEAR 2013 - 14

EXPENDITURE		31.03.2014	31.03.2013	INCOME		31.03.2014	31.03.2013
To	Interest transferred to Staff Sub (GPF)	13598440	13507233	By	Balance of Interest b/d	240910	114013
"	Interest to Staff Sub (NPS)	13139	0	"	Interest accrued during the year	13111857	13200660
"	Interest transferred to Inst cont (NPS)	13139	0	"	Interest on SB A/c	448086	433470
"	Balance C/f to Next year	176135	240910				
		13800853	13748143			13800853	13748143

NATIONAL INSTITUTEOF TECHNOLOGY, WARANGAL
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31st MARCH 2014

(Amount in Rupees)

SOURCES OF FUNDS	SCHEDULE	Corpus	Designated fund	General Fund	Capital Fund	Total	Previous Year
Academic Receipts	11	0	0	129262976	0	129262976	303837779
Grants & Donations	12	0	0	501000000	0	501000000	470000000
Income from Investments	13	0	0	0	0	0	0
Other Income	14	0	0	61702170	0	61702170	82368561
						0	
TOTAL (A)		**0**	**0**	**691965146**	**0**	**691965146**	**856206340**
EXPENDITURE							
Staff Payments & Benefits	15	0	0	552124771	0	552124771	499844186
Academic Expenses	16	0	0	139860139	0	139860139	112793413
Administrative and General Exp	17	0	0	92871774	0	92871774	98018231
Transportation expenses	18	0	0	1268666	0	1268666	1026306
Repairs & Maintenance	19	0	0	90580309	0	90580309	34854617
Finance Cost	20	0	0	0	0	0	0
Other Expenses	21	0	0	0	0	0	0
TOTAL (B)		**0**	**0**	**876705659**	**0**	**876705659**	**746536753**
Balance being excess of Income over Expenditure (A-B)		0	0	-184740513	0	-184740513	109669587
Transfer to / from Designated Fund		0	0	0	0	0	0
Building Fund		0	0	0	0	0	0
Others if Any		0	0	0	0	0	0
Balance being surplus (Deficit) carried to General Fund		**0**	**0**	**-184740513**	**0**	**-184740513**	**109669587**
Notes on Accounts	22						

Registrar
National Institute of Technology
Warangal

Director
National Institute of Technology
Warangal

NATIONAL INSTITUTEOF TECHNOLOGY, WARANGAL

TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME - II

INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31st MARCH 2014

(Amount in Rupees)

SOURCES OF FUNDS	SCHEDULE	Corpus	Designated fund	General Fund	Capital Fund	Total	Previous Year
Academic Receipts	11	0	0	0	0	0	0
Gamts & Donations	12	0	0	0	0	0	0
Income from Investments	13	0	0	0	0	0	0
Other Income	14	0	0	3933301	0	3933301	1875656
TOTAL (A)		0	0	3933301	0	3933301	1875656
EXPENDITURE							
Staff Payments & Benefits	15	0	0	1020928	0	1020928	413487
Academic Expenses	16	0	0	0	0	0	0
Administrative and General Exp	17	0	0	37644860	0	37644860	9469058
Transportation expenses	18	0	0	0	0	0	0
Reparis & Maintenance	19	0	0	0	0	0	0
Finance Cost	20	0	0	0	0	0	0
Other Expenses	21	0	0	0	0	0	0
TOTAL (B)		0	0	38665788	0	38665788	9882545
Balance being excess of Income over Expenditure (A-B)		0	0	-34732487	0	-34732487	-8006889
Transfer to / from Designated Fund		0	0	0	0	0	0
Building Fund		0	0	0	0	0	0
Others if Any		0	0	0	0	0	0
Balance being surplus (Deficit) carried to General Fund		0	0	-34732487	0	-34732487	-8006889

ABC Reddy
Registrar
National Institute of Technology
Warangal

Director
National Institute of Technology
Warangal

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 2014

We have audited the attached Balance Sheet of National Institute of Technology, Warangal, as at 31 March 2014, 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 not been drawn up in the Common Format of Accounts approved by 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 Corpus Fund: ₹ 335.13 crore (Schedule-1)

A.1.1.1 This includes Plan (Non-recurring) Grants of ₹ 19.4 crore[1] sanctioned for specific purpose of General Activities and creation of Capital Assets (General), which was incorrectly classified under Corpus Fund, instead of accounting distinctly as a separate fund account, despite previous Audit comments. This resulted in understatement of Earmarked Funds and overstatement of Corpus Fund by ₹ 19.4 crore.

A.1.2. Earmarked Funds: ₹ 55.68 crore (Schedule-3)

A.1.2.1 Closing Balance amount of ₹ 4.57 crore as on 31.3.2014, shown under Capital Fund (Schedule-4), in the Balance Sheet of Research Accounts, was incorrectly carried forward and shown under Designated/Earmarked Funds (Schedule-3) in the Consolidated Balance Sheet. This resulted in understatement of Capital Fund and overstatement of Earmarked Funds by ₹ 4.57 crore.

---

[1] General Activities : ₹ 5.04 crore and for creation of Capital assets: ₹ 14.36 crore

A1.2.2 This includes minus balance amount of ₹ 6.49 lakh[2] in respect of certain fund accounts, added to the actual closing Fund Account balance (₹ 51.05 crore) as plus amount, besides exhibiting as 'Others Receivables' under Loans, Advances & Deposits to compensate the unreconciled minus balances. This resulted in overstatement of Earmarked Funds and Loans, Advances & Deposits by ₹ 6.49 lakh each.

A.1.2.3 Closing balance (31.3.2013) of Designated/Earmarked Funds amount of ₹ 37,23,84,612/- was incorrectly carried forward and shown as Opening balance (1.4.2013) of ₹ 37,21,20,475/- during the year in the Consolidated Balance Sheet. The difference of ₹ 2,64,137/- was not reconciled.

A.1.3 Capital Fund (Schedule-4): ₹ 1.36 crore

A.1.3.1 Closing balance (31.3.2013) amount of ₹ 4,85,27,770/- was incorrectly carried forward and shown as Opening balance (1.4.2013) of ₹ 4,59,84,339/- during the year in the Consolidated Balance Sheet. The difference of ₹ 25,43,431/- was not reconciled.

A.1.4 Current Liabilities & Provisions: ₹ 9.2 crore (Schedule-6)

A.1.4.1 This does not include provision for liability towards payment of outstanding amount of ₹ 21.94 lakh against procurement of Desktop Computers during the year, for which entries were made in the Stores Register[3], but not accounted under Fixed Assets. This resulted in understatement of Current Liabilities & Provisions and Fixed Assets by ₹ 21.94 lakh each.

---

[2] **(i) Gold Medal Suspense: ₹ 2,76,265/-, (iii) AIEEE: ₹ 3,72,000/- (iii) ISTE-STTP, NV Uma Mahesh: ₹ 960/-**

[3] **Invoice no.146082, dated 20.09.2013 (Stores Register Page no.1, Vol-II)**

A. 2. Assets

A.2.1. Fixed Assets: ₹ 226.91 crore (Schedule-7)

A.2.1.1 This includes Gross Fixed Assets value of ₹ 204.81 crore acquired over a period of years out of Plan Grants, but exhibited at its book value without providing depreciation, despite repeated Audit comments. This resulted in overstatement of Net Asset value (could not be quantified due to non-adoption of any depreciation rates).

A.2.1.2 Fixed Assets valuing ₹ 68.81 lakh procured during the year and though entered in Purchase and Stores Registers, were not accounted for in the Annual accounts and also the corresponding payments made for procurement of these Assets. This resulted in understatement of Fixed Assets and overstatement of Current Assets by ₹ 68.81 lakh.

A.2.1.3 This includes revenue expenditure of ₹ 50.53 lakh incurred during the year towards procurement of chemicals & consumables, minor repairs & maintenance, spare parts etc, which was incorrectly classified as capital expenditure. This resulted in understatement of Expenditure and overstatement of Fixed Assets by ₹ 50.53 lakh. Deficit was also understated by ₹ 50.53 lakh.

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

A.2.2.1 Out of total value of ₹ 120 crore[4] exhibited as 'Capital Works-in-Progress', the details relating to ₹ 92.98 crore were not available. The balance 'Capital Works-in-Progress' value of ₹ 27.02 crore include five Works[5] valuing ₹ 6.98 crore, reported as completed and handed over by CPWD, but not capitalised by the Institute. Despite previous Audit Comment, work-wise analysis of the closing balances was not conducted to review the status of completion of works.

---

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

[5] **(i) Renovation of Staff Quarters (A1, A2, A3 and A4) and Hostel Blocks: ₹ 5,54,89,615/-, (ii) Construction CAI Building: ₹ 39,36,668/-, (iii) Renovation of 15 Nos. Gents Toilets of various buildings: ₹ 43,56,171/-, (iv) Construction of CAM Building: ₹ 42,56,292/- and (v) Renovation of 8 Nos. Ladies Toilets of various buildings: ₹ 17,69,851/-**

B. Consolidated Income and Expenditure

B.1. Income: ₹ 70.95 crore

B.1.1 This does not include unspent balance of ₹ 4.7 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 and overstatement of Earmarked Fund account by ₹ 4.7 lakh. Deficit was also overstated by ₹ 4.7 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. Land leased by the Institute for 30 years, to the extent of (i) 1750 Sq.m to Warangal Municipal Corporation (WMC) @ ₹ 1/- per Sq.m, per annum (from 25.09.2009), (ii) 93 Sq.m to Post Office @ ₹ 1,000/- per month (from 20.03.1986) and (iii) 510.26 Sq.m to District Education Office (DEO), Warangal @ ₹ 1/- per Sq.m, per annum (from 14.03.2012), were not fully disclosed in *'Note on Accounts'*.

3. 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.

4. Details as to existence of factual liability/lapsed/unclaimed deposits, relating to an amount of ₹ 6.72 crore[6] exhibited as 'Other Current Liabilities' were neither available nor year-wise analysis was conducted.

5. Despite previous Audit comment, 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 ₹ 10.74 lakh, overstatement of Assets by ₹ 35.09 lakh and understatement of Deficit by ₹ 45.83 lakh.

E. Grants-in-Aid

Out of total Grants-in-aid of ₹ 75.1 crore received during the year (Plan: ₹ 25 crore and Non-Plan: ₹ 50.1 crore) along with certified unutilised balance of previous year amounting to ₹ 61.3 crore and internal income of ₹ 22.02 crore, totalling ₹ 158.42 crore, the Institute utilised a sum of ₹ 133.54 crore[7], leaving a balance of ₹ 24.88 crore unutilised as on 31st March 2014.

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.

---

[6] **Lab & Library Deposit: ₹ 2,73,27,950/- (ii) Earnest Money Deposit/Security Deposit: ₹ 3,48,47,620/- (iii) Other Deposits: ₹ 36,30,350/- (iv) Deposit for Rent and other Service charges: ₹ 2,000/- (v) NIT Co-operative Deposit: ₹ 9,20,284/- (vi) ICCR&D Deposit: ₹ 11,000/- (vii) Security Deposit for Staff Quarters: ₹ 51,840/- and (viii) Hostel and Caution Money Deposit: ₹ 4,46,664/-**

[7] **Non-Plan (General & Salaries): ₹ 87,71,23,343/-, Plan- General: ₹ 9,10,85,378/-. (ii) Plan-Capital Assets: ₹ 36,72,07,200/-, Grand Total : ₹ 133,54,15,921/-**

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 2014; and

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

20/11/14

(AJAIB SINGH)
Principal Director of Audit (Central)

ANNEXURE

1. **Adequacy of Internal Audit System:** Though, Internal Audit Wing was formed in 2012-13, Internal audit of the transactions for the years 2012-13 and 2013-14, was stated to be still under progress.

2. **Adequacy of Internal Control System:** The internal control system needs to be strengthened in respect of the following omissions noticed in audit:

- Deficiencies regarding non-provision of depreciation on Fixed Assets (A.2.1.1), though pointed out in previous SARs,

- Non-reconciliation of minus balance amounts in respect of certain fund accounts under Designated/Earmarked Funds (A.1.2.2), though pointed out in previous SARs and

- Deficiencies at Sl.nos.1, 2, 3, 4, 5, 6, 13, 14, 15, though were brought to the notice of the Institute, repeatedly through Management Letters in previous SARs, were neither rectified nor corrective action taken.

3. **System of Physical verification of fixed assets:** Physical verification of Fixed Assets for the year 2012-13, stated to be under progress last year was not completed and Reports not produced to Audit. Physical verification of Fixed Assets for the year 2013-14, was not conducted. 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.

20/11/14

(V.S. MURTY)

उप निदेशक/ प्रत्यक्ष कर & केन्द्रीय स्वायत निकायों (I/c)

DEPUTY DIRECTOR/DT & CAB (I/c)



NIT वरंगल के मुख्या द्वार
NIT Warangal - Entrance



छात्रों का मेगा होंस्टल
Boys Mega Hostel



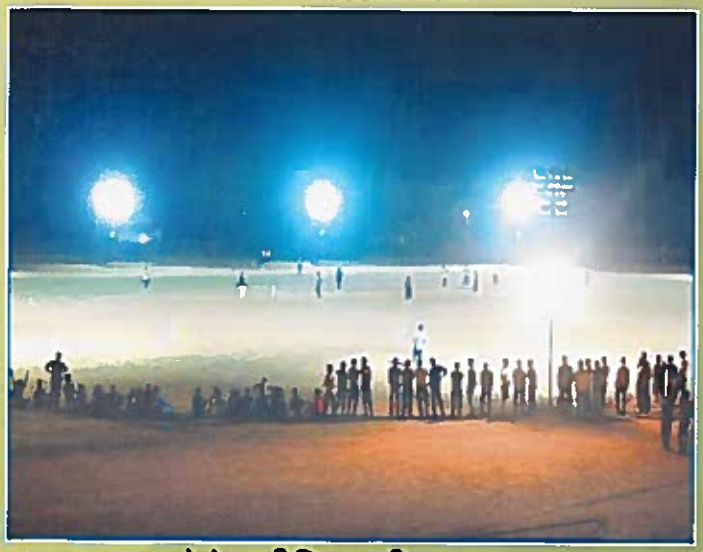
केंद्रीय ग्रन्धालय
Central Library



NITW ऑडिटोरियम
NITW Auditorium



इनोवेशन व इन्कयूबेशन कैंद्र में गतिविधियाँ
Activites at Innovation and Incubation Centre



कोलेज प्रीमियर लीग - 2014
College Premier League - 2014