Annual Report & Annual Accounts

2014 - 2015



NATIONAL INSTITUTE OF TECHNOLOGY

WARANGAL - 506 004

TELANGANA STATE

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 infer 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, 2014-2015, marks a record number of 54 doctoral degree awards, 35 academic mobilities to European Institutes through Cohort 1 of the Erasmus Mundus Scheme, the HERITAGE project. Eighty five young faculty members received the Research Seed Money (RSM) grants from the Institute. New inter-disciplinary Centres of Excellence at both the Institute and Departmental levels have been initiated with support from the TEQIP-II. Many young and active faculty received research grants from various national and international funding agencies. 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 Annual Report and Accounts Statement, 2014-2015, embodied in subsequent pages of this booklet, presents the landmarks, accomplishments, placements, personnel and statistics of several academic and estate details besides its audited financial datasheets and audit report.

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

Prof. T. Srinivasa Rao
Director

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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.



Brief Profile of the Institute

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 482 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 15562 graduates in different branches of technology, 9760 postgraduates and 482 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.

Brief Profile of the Institute

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 thirty one Postgraduate Programmes in diverse branches of Engineering and Basic Sciences including MBA and MCA. The Institute also offers Ph.D. programmes in Engineering, Science, Management 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 research projects sponsored by agencies such as CSIR, DST, DIT, DRDO, NRB, BRNS etc. to a tune of Rs. 5.65 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 2014-15 has been excellent. 175 organizations visited the campus and 581 students of B.Tech among 698 students (83%) 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 several activities in order to promote holistic 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.

The Institute is adopting the education system followed in IITs in terms of semester pattern, updating curriculum and choice based credit system.

1.2 New Initiatives

The institute is developing the infrastructure and also the facilities for Teaching, Research and Development with a view to further enhancing the quality of teaching, learning and research outcomes. 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 being established

- 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.
June 13, 2014	24th Building & Works Committee meeting was held.
August 09, 2014	25th Finance Committee and 30th Board of Governors meeting was held.
December 10, 2014	25th Building & Works Committee meeting was held.
December 26, 2014	26th Finance Committee and 31st Board of Governors meeting was held.
January 27, 2015	32nd Board of Governors meeting was held.

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 6 Deans namely, Dean (Research & Consultancy), Dean (Academic), Dean (Faculty Welfare), Dean (Planning & Development), Dean (Students' Welfare) and Dean (International Relations & Alumni Affairs). 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

ii) Humanities and Social Sciences

iii) Physics

iv) Chemistry

v) 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. Machine Design	18	2000
5. Automobile Engineering	20	2008
6. Materials and Systems Engineering Design (In collaboration with NFTDC, Hyderabad)	12	2013
7. Additive Manufacturing	10	2014
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 into B. Tech.

Admissions into the B.Tech. Programmes are made on the basis of the performance in the JEE Main examination 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 (JEE Main), 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.

B Tech Programme Structure

The total course package for B.Tech Degree Program typically consists 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) discusses and finalizes 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 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 credit.

Under EAA, the students can opt either Games & Sports or NCC or 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 into 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.

Programme Structure

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

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

The Departmental Board of Studies discusses and finalizes 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 into 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) for 50% of seats and 'JAM' (Joint admission test for M.Sc) for 50% of the seats

- 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 2014-2015

Sl.No.	Branch	Boys		Girls		Total	
		Indians	Foreign	Indians	Foreign	Indians	Foreign
1	Civil Engineering	62	16	29	03	91	19
2	Electrical & Electronics Engineering	71	12	38	05	109	17
3	Mechanical Engineering	104	21	06	0	110	21
4	Electronics & Communication Engineering	80	16	31	06	111	22
5	Metallurgical and Materials Engineering	40	0	11	0	51	0
6	Chemical Engineering	49	06	36	03	85	9
7	Computer Science & Engineering	84	19	27	03	111	22
8	Bio-Technology	32	0	25	01	57	01
	Total	522	90	203	21	725	111

Number of candidates admitted into First year PG courses during 2014-15 : 717

Number of candidates admitted into Ph.D. courses during 2014-15 : 115

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 of academic rules and regulations of NIT Warangal).
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.

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

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 **2014-15**, **175** organizations have visited the campus and offered a total of 845 placements. Among these, **581** are B.Tech students and **264** 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 2014-15:

Programme	Branch	Total Students	Placed
B.Tech.	Civil Engineering	87	67
	Electrical & Electronics Engineering	92	83
	Mechanical Engineering	104	93
	Electronics & Communication Engineering	110	95
	Metallurgical & Materials Engineering	45	40
	Chemical Engineering	80	58
	Computer Science & Engineering	114	96
	Bio-Technology	66	49
	B.Tech., Total	**698**	**581**
Post Graduate	M.Tech., M.Sc.(Tech.), M.Sc., MCA. And MBA	**586**	**264**
	Grand Total UG +PG	**1284**	**845**

a) Educational Tours:

During the Academic Year 2014-15, the T&P Section facilitated **Five** Educational Tours for B.Tech / M.Tech Students of various Departments. The details of the tours are given in the table below:

Sl. No.	Place of visit	Student Branch(es)	No. of students	Accompanying person with designation	Date(s)
1.	CPRI and PGCIL, Hyderabad and Ghatkesar	M.Tech(PSE)/ Electrical and Electronics Engineering	35	Dr. G. Shiva Kumar Asst. Prof. Dr. A.V. Giridhar Asst. Prof.	23-01-2015
2.	Research Centre Imarat, Hyderabad	B.Tech-IV/Electronics and communication Engineering	67	Dr. J Ravi Kumar Asst. Prof. Dr. V.V Mani Asst. Prof.	11-03-2015
3.	Sub-Station Mulugu Road, Warangal	B.Tech-III/IV Electrical and Electronics Engineering	80	Dr. P. Suresh Babu Asst. Prof. Dr. M. Udaya Bhaskar Asst. Prof.	17-03-2015
4.	National Aeronautics Limited (NAL), Bangaluru Karnataka Engineering Research Station (KERS), Krishnarajasagara, Mysore	B.Tech-II/IV CIVIL Engineering	39	Dr. P. Venkateshwara Rao Asst. Prof. Ms. Supriti Das Pramanik Ad-Hoc Faculty	19-03-2015 to 22-03-2015

5.	Hindustan Petroleum Corporation Ltd., Mumbai	B.Tech-II/IV Chemical Engineering	66	Dr. Vidyasagar S. Asst. Prof. Dr. K. Madhavi Asst. Prof. Dept. Of H&S	26-03-2015 to 27-03-2015

b) Industrial Training & Industrial Visits:

During the summer vacation between 05-05-2014 to 11-07-2014 a number of Industries / organizations have offered trainings/summer internships to the students of the Institute. About (250) students of III and II year B.Tech., classes, have undergone practical training during Summer Vacation of the Academic Year 2014-15.

The following are the details of Industrial Visits made by the students of various Departments during the Academic year 2014-15:

Sl. No.	Place of visit	Student Branch(es)	No. of students	Accompanying person with designation	Date(s)
1.	E-Srijan Innovations Pvt. Ltd. Bengaluru	B.Tech-II/IV-Computer Science and Engineering	44	Dr. J Pranitha Asst. Prof. Dept. Of Maths Sri. K Govinda Rao Ad-Hoc Faculty CSE	22-01-2015 to 25-01-2015
2.	Vizag Steel Plant and NTPC, Vizag	B.Tech-II/IV Electrical and Electronics Engineering	79	Dr. D. Vakula Asst. Prof. Sri. P. Srinivasan Asst. Prof. Dr. M. Udaya Bhaskar Asst. Prof.	05-02-2015 to 09-02-2015
3.	(1)Rashtriya Chemicals & Fertilizers, Chembur, Mumbai (2)Reliance Industries Limited, Nagothane, Mumbai	B.Tech-II/IV Chemical Engineering	66	Dr. Vidyasagar S. Asst. Prof. Dr. K. Madhavi Asst. Prof. Dept. Of H&S	25-03-2015 to 29-03-2015
4.	Suven Life Sciences, Hyderabad	M.Sc. Chemistry II year	39	Dr. Vishnu Shankar Asst. Prof. Dr. D. Kasinath Asst. Prof. Ms. B. Mayuri and P. Soumya, Research Scholars	28-03-2015

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 infrastructural facilities for outdoor and indoor games and also 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.

सभी राष्ट्रीय प्रौद्योगिकी संस्थान के निदेशक की बैठक - 2014 भारत के माननीय राष्ट्रपति श्री प्रणब मुखर्जी के साथ

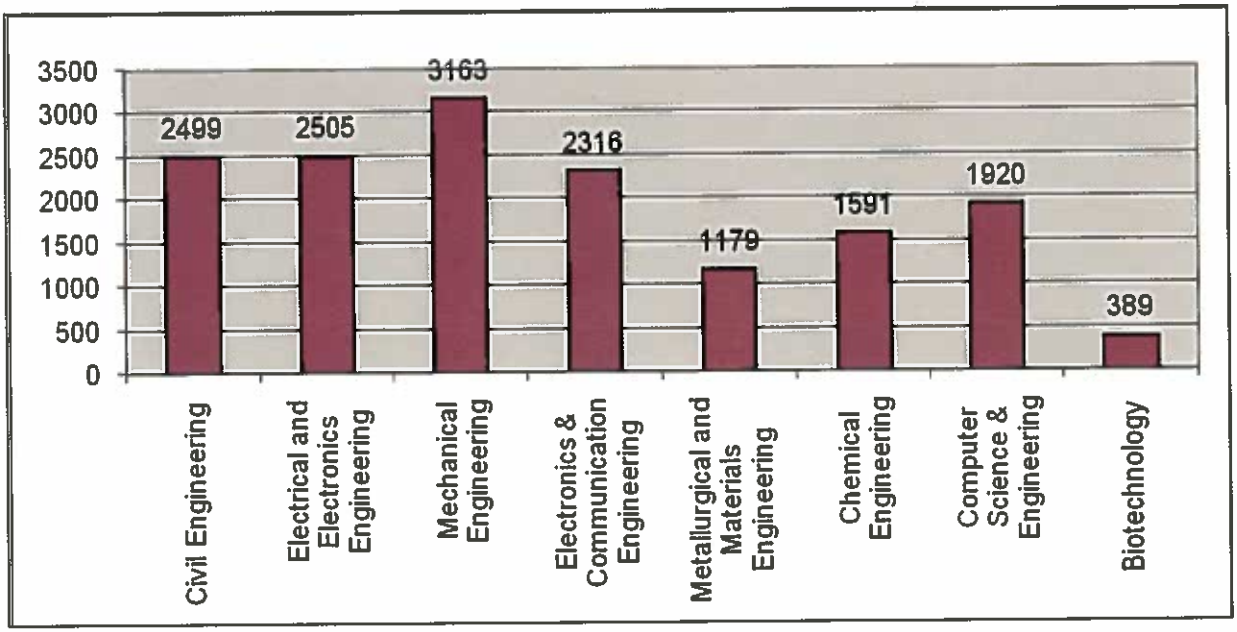
All NIT Directors Meeting - 2014 with Shri Pranab Mukherjee, Honourable President of India



DEGREES AWARDED TILL MARCH, 2015
Since Inception

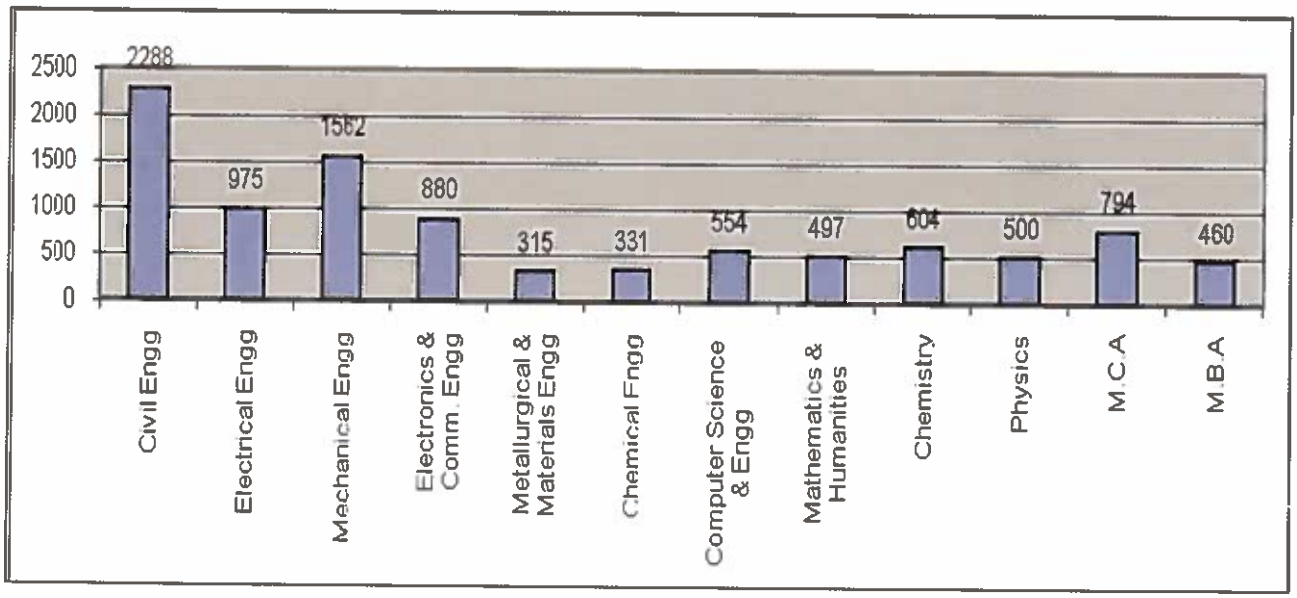
A) B.Tech.

Civil Engineering	2499
Electrical and Electronics Engineering	2505
Mechanical Engineering	3163
Electronics & Communication Engineering	2316
Metallurgical and Materials Engineering	1179
Chemical Engineering	1591
Computer Science & Engineering	1920
Biotechnology	389
TOTAL	15562



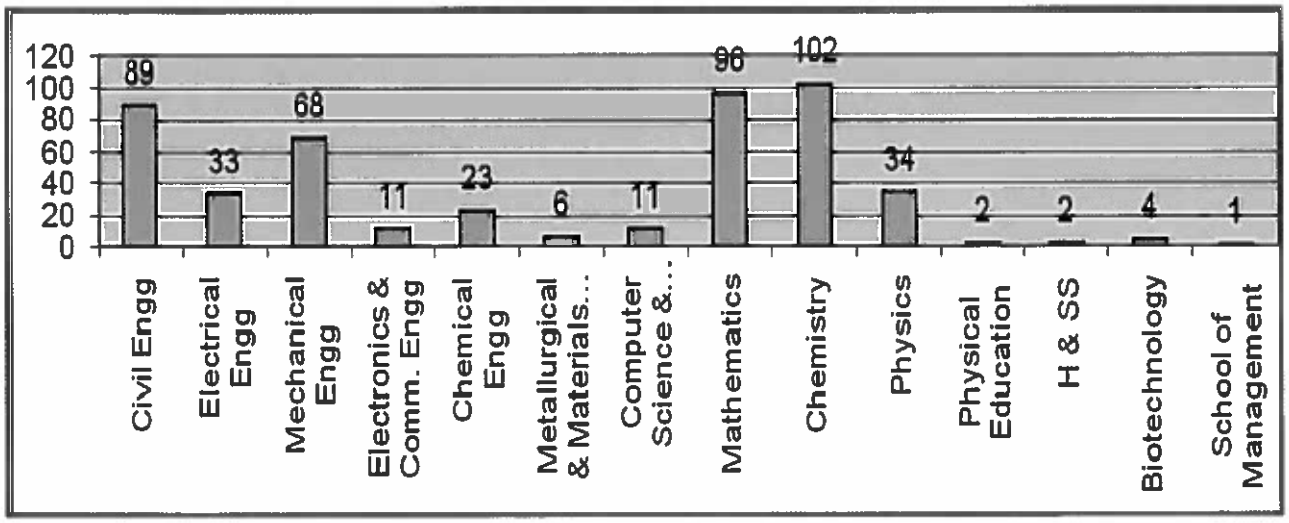
B) M.Tech. / M.Sc. / M.Sc. (Tech) / M.C.A. / M.B.A.

Civil Engineering	2288
Electrical Engineering	975
Mechanical Engineering	1562
Electronics & Communication Engineering	880
Metallurgical and Materials Engineering	315
Chemical Engineering	331
Computer Science & Engineering	554
Mathematics & Humanities	497
Chemistry	604
Physics	500
Master of Computer Application	794
Master of Business Administration	460
TOTAL	9760



C) Ph.D (Doctor of Philosophy)

Civil Engineering	89
Electrical Engineering	33
Mechanical Engineering	68
Electronics & Communication Engineering	11
Chemical Engineering	23
Metallurgical and Materials Engineering	06
Computer Science & Engineering	11
Mathematics	96
Chemistry	102
Physics	34
Physical Education	02
Humanities &Social Sciences	02
Biotechnology	04
School of Management	01
Total	482



2.12 R & D Infrastructure

Research

The Institute envisages interdisciplinary and multidisciplinary research to innovate new designs/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 task in advanced research. During the last 5 years, the faculty of NITW have 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 4 years witnessed a significant improvement in receiving a large number of research projects. As a matter of fact, the institute has received 22 projects of total worth Rs.5.65 crores during 2014-2015. Many young faculty have got 'Fast Track' projects with an average budget of about Rs. 22.00 lakhs per each project.

The institute is constantly updating itself in tune with latest developments in S&T and the needs of Industry. The Institute 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.

A few advanced instruments available in the Institute

Scanning Electron Microscope, ICP-OES Spectrophotometer, Electrochemical Workstation, Atomic Force Microscope (AFM), (BET) Apparatus, Dynamic Mechanical Analyser, Powder X-Ray Diffractometer, Diff. Scanning Calorimeter, X-Band ESR Spectrometer, 400 MHz NMR Spectrometer, CHNS-O Elemental Analyser, CD-ORD Spectrometer, HPLC- Mass Spectrometer, Fluorescence Workstation, UV-Vis-NIR Spectrophotometer, Universal Testing Machine, PCs and HP Z620 Works Station, Electronics Automation Lab, Cyclic Triaxial system.

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 thus ushered into a new era of research culture.

Research Seed Grant (RSG): In order to encourage sustained research culture among the faculty, the Institute has disbursed an amount of Rs. 157.11 lakhs in the name and style of Research Seed Grant. Thanks for the generous support from the MHRD and the BoG of the NIT Warangal; as many as 39 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.	1.39
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)	Prof. A. Rama chandraiah Dept. Cheistry	ECE, EEE, Mech. Engg., Physics, Chemistry	2.50
4	Centre for Sustainable and Alternate Energies (CSAE)	Prof. S. Srinivasa 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.

Total No. of Research Publications during 2014-2015 : 679

CENTRE FOR INNOVATION AND INCUBATION

1) New MoUs signed by NIT Warangal with other reputed Institutions namely

a) Defence Metallurgical Research Laboratory, Hyderabad
b) Indian Institute of Technology, Madras
c) National Institute of Technology, Tiruchirapalli
d) Visweswarayya National Institute of Technology, Nagpur
e) Telangana Academy for Skill and Knowledge- Institute for Electronic Governance

2) Details of MoUs and related activities:

S.No	MoU	Signed with	Follow-up/action taken
1.	Research Collaboration	International Research Centre for powder metallurgy and new materials, Hyderabad.	• Joint Ph.D. guidance of about 12 Ph.D. scholars so far. Every year new Ph.D scholars are registered at NITW. • Sharing of research facilities.
2.	Joint M.Tech Programme Research Collaboration	Non Ferrous Technology Development Centre (NFTDC), Hyderabad	• A new Joint M.Tech programme "Materials and System Engg. Design" was started from the academic year 2013-14. • Sharing of Research facilities.
3.	Joint M.Tech Programme Research Collaboration	Central Manufacturing Technology Institute (CMTI), Bangalore.	• A new joint M.Tech. programme "Additive Manufacturing" was started from the academic year 2014-15. • Sharing of Research facilities.
4.	Research Collaboration	Defence Metallurgical Research Laboratory(DMRL), Hyderabad	• Collaborative Research Projects(one completed. Two ongoing projects) • Joint Ph.D. guidance (4 Students) • Sharing of Research facilities.
5.	Research Collaboration	Indian Institute of Chemical Technology, Hyderabad	• Collaborative Research. • Joint Ph.D. guidance(8 completed, one ongoing) • Sharing of Research facilities.
6.	Internships, best student project awards, Faculty Development Programmes(FDPs)	Tata Consultancy Services (P) Ltd.,(TCS) Hyderabad. TCS, Hyderabad	• 2 Ph.D fellowships awarded by TCS. 2 FDPs completed, 2 best student awards,2 best student project awards by TCS
7.	Research Collaboration	InfoSys Ltd., Bangalore	• Collaborative research Project funded by InfoSys completed.
8	Student Innovation Projects.	Lakshya foundation	• About 10 student innovation projects jointly funded.
9.	Research and Training	Water and Land Management Training & Research Institute, Hyderabad	Recently entered into MOU
10	Skill Development & Research Collaboration	Telangana Academy for Skill & Knowledge (TASK)	• NIT Warangal, one of the institutes participating in theTechnology entrepreneurship programme for students, organized by Indian School of Business, Hyderabad.
11	Academic & Research Collaboration, Exchange of Students & Faculty	IIT Madras, Chennai	• Recently entered into MOU. Activities are being initiated
12.	Academic & Research Collaboration, Exchange of Students & Faculty	NIT, Trichy.	• Recently entered into MOU. Activities are being initiated.
13.	Academic & Research Collaboration, Exchange of Students & Faculty	VNIT, Nagpur	• Recently entered into MOU.Activities are being initiated

3. 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: The title of the patent is "Continuous solution phase production of Beta peptide using spiral copper channel microreactor". The inventors are Dr. Shrirish Sonawane, Abijieet Kulakarni and Dr. Satish Babu.

4. 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. A few examples are given in the following table.

S.No.	Title of the Project	Names of the Student(s)	Year & Branch of Specialisation
1	Bond Characteristics Using RAC with GFRP	Sheik Abdul Nayeem, A.Srikar, M.Sainath, T.Chaitanya Srikrishna, Md.Khaleel ur Rahman Khan	M.Tech 1st year Engineering Structures
2	Ferro Fibre Tie Confined Self Compacting Concrete For Improving Earthquake Resistance	M. Sri Rama Chand	M.Tech 2nd year Engineering Structures
3	Influence of Nano-Silica Inclusions on the Strength and Durability of Self Compacting Concrete	K.Rakesh	M.Tech 2nd year Engineering Structures
4	Cloudsgreen	Shashank pawar Manoj Krishna Yadavalli	B.Tech IV, Mechanical Engineering, B.Tech III, Computer Science and Engineering
5	Advanced Speech Recognition System for Home appliances	P. Surya B. Sree kalyani G. Nikhilendra E. Sharan	B.Tech 2nd E.C.E
6	Hybridished Three wheeler	Manu Khandelwal Vaibhav Awachat	B.Tech 2nd year Mechanical Engineering
7	Mapping Genomic Systems subjected to stress and potential biomedicines to facilitate Therapies of Pathogenic, Genetic and Environmental Origin and Environmental Origin	Areej Shah Swech Rohit S. Ashok	B. Tech 3rd year Biotechnology
8	Pneumatic weight carrying system	Swatchith Lal	M.Tech, MME, 1st year
9	Stair case climber	Syed Faisal	B.Tech, Mech, 2nd year
10	Mind cotrolled applications & Devices	Rohit Rangwani	B.Tech, ECE, 2nd year

CENTRE FOR AUTOMATION AND INSTRUMENTATION

A host of, state of the art, sophisticated equipment has been installed, as central instruments facility, at the Centre for Automation and Instrumentation (CAI) for the use of all Departments engaged in research activities in various fields of material characterisation, diagnostics, quality testing, etc among others. Many more instruments are being added. In order to achieve optimum use and to maintain their functionality on a regular basis, each of the central facility housed at CAI, is put with a Faculty-in-Charge as listed below with immediate effect and until further revision/updating. The following faculty members are requested to assist the Professor-in-Charge, CAI, in the regular maintenance and optimal utility of the facility attached to them.

LIST OF EQUIPMENT AT CAI AND THEIR RESPECTIVE FACULTIES-IN-CHARGE

S.No	Facility	Faculty-in-Charge	Department
1	Scanning Electron Microscope	Dr. Asit Kumar Khanra	Met. & Mat. Engg.
2	ICP-OES Spectrophotometer	Dr. P. Hari Prasad Reddy	Civil Engg.
3	Electrochemical Workstation	Dr. KV Gobi	Chemistry
4	Atomic Force Microscope (AFM)	Dr. B. Srinivasa Rao	Met. & Mat. Engg.
5	(BET) Apparatus	Dr. Vishnu Shanker	Chemistry
6	Dynamic Mechanical Analyser	Dr. Joseph Davidson M	Mech. Engg.
7	Powder X-Ray Diffractometer	Dr. Ajoy Kumar Pandey	Met. & Mat. Engg.
8	Diff. Scanning Calorimeter	Mr. M. Rangadhara Chary	Met. & Mat. Engg.
9	X-Band ESR Spectrometer	Prof. A. Ramachandraiah	Chemistry
10	400 MHz NMR Spectrometer	Prof. K. Laxma Reddy	Chemistry
11	CHNS-O Elemental Analyser	Dr. PV Suresh	Chemical Engg.
12	CD-ORD Spectrometer	Dr. Prakash Saudagar	Biotechnology
13	HPLC- Mass Spectrometer	Dr. D. Kashinath	Chemistry
14	Fluorescence Workstation	Dr. P. Abdul Azeem	Physics
15	UV-Vis-NIR Spectrophotometer	Shirish Sonawane	Chemical Engg.
16	Universal Testing Machine	Dr. R. Arockia Kumar	Met. & Mat. Engg.
17	PCs and HP Z620 Works Station	Dr. S. Ravichandra	Comp. Sci. & Engg.
18	Electronics Automation Lab	Dr. T. Kishore Kumar	ECE
19	Cyclic Triaxial	Dr. G. Kalyan Kumar	Civil Engg.
20	15 KVA and Other UPS Systems	Dr. Ch. Ramulu	Electrical Engg.
21	Training and Demo Halls	Prof. A. Ramachandraiah	Prof.–in Charge, CAI
22	Chemicals and Consumables	Prof. A. Ramachandraiah	Prof.–in Charge, CAI
23	Gases, Liquid Nitrogen, Solvents	Prof. A. Ramachandraiah	Prof.–in Charge, CAI
24	Fork Lift Maintenance/Tools	Sri I. Ashok Kumar Reddy	Mech. Engg.

LIST OF EQUIPMENT AT CAI AND THEIR MAJOR APPLICATIONS
(Including those which have been under last stages of procurement)

S.No	Facility/Owned by	Cost (Rs. In lakhs)	Principle of Operation	Applications
1	Scanning Electron Microscope (SEM)	100	Magnification of contours of surfaces by scanning with electron waves and magnetic optics	Surface Studies, Nano Particle Imaging, Phase Transitions, Corrosion Products, All kinds of solid material studies
2	Inductively Coupled Plasma Optical Emission Spectrophotometer (ICP-OES)	45	Sample is digested and aspirated into high temperature argon plasma flame generated by electrical induction. Sample is atomised and plasmicised and excited. Emission spectra of the relaxing excited plasmatic atoms is studied	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
3	Electrochemical Workstation with Faraday Cage and Several Features	40	Electron transfer characteristics across interfacial boundaries. Guided current profiles through samples. Changing chemical composition alters material impedance and interfacial potentials	Solution and surface studies of any material in any state. Environmental sample analysis of fluoride and any other ions in solutions and water samples. Corrosion Studies, Alternate Energy sources, Photovoltaics, Fuel Cells
4	Atomic Force Microscope (AFM)	45	Electrical charge contours of surfaces are monitored by a conducting stylus very intimately (as close as a nano meter) and the changing conductance is revealed as the surface image highly magnified	Surface Studies, Nano Particle Imaging, Phase Transitions, Corrosion Products, All kinds of solid material studies (*Presently Out of Order- Parts Outdated*)
5	Braunneur, Emmette and Teller (BET) Apparatus	25	Pneumatic studies by guided adsorption of small molecules on the surfaces of powders.	Soundness of cements, cosmetic powders and nanoparticles; Surface variations of catalysts; Total area and fineness of particles is evaluated
6	Dynamic Mechanical Analyser (DMA)	40	A wave form stress is applied and the resultant strain in the material is measured in order to determine the complex modulus and other mechanical aspects of samples.	Physical and mechanical attributes of metals, alloys, finished solid products, etc can be studied; Phase transitions under stressed and normal conditions are investigated
7	Differential Scanning Calorimeter (DSC)	35	A tiny amount of a sample (mostly solid) is exposed to programmed temperature and the exothermicity or endothermicity accompanying the physicochemical thermal transitions is monitored	Purity of materials, phase transition temperatures and heats of phase transitions can be determined. Bond Energies and Binding Energies can be estimated
8	X-Band Electron Spin Resonance (ESR) Spectrometer	100	Materials with unpaired electrons are exposed to changing magnetic field allowing the spinning electrons to absorb X-Band microwave radiation. The profile of the ESR spectrum is analysed	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
9	400 MHz Nuclear Magnetic Resonance (NMR) Spectrometer	300	Organic and inorganic materials with certain nuclei are exposed to changing magnetic field allowing the spinning nuclei to absorb 400 MHz radiofrequency radiation and to get the NMR spectra	Structure and atomic arrangement in molecules and crystals can be investigated. Magnetic transitions accompanying temperature variation can be studied.

10	Carbon, Hydrogen, Nitrogen, Sulphur and Oxygen (CHNS-O) Elemental Analyser	**40**	The relative percentage of composition of C, H, N, S and O and other elements in organic and inorganic materials is analysed for the knowledge of their stoichiometry by pyrolysing the materials.	The relative percentage of composition of C, H, N and other elements is the best way of checking the purity of materials.
11	Circular Dichroism-Optical Rotatory Dispersion (CD-ORD) Spectrometer	**55**	Plane-Polarised or/and circularly polarised radiation is sent through the homogeneous sample to understand the rotation turned by the plane or the phase change suffered by the radiation. The chirality and relative position of the chromophore can be found. Liquid crystal non-linear optical properties can be judged.	Non-linear Optical materials, enantiomeric compounds, biochemicals express themselves in Optical Rotatory Dispersion and Circular Dichroism. Any subtle change in their structural or molecular profile would be reflected in their CD Spectra. Advanced research can be thought of in biotechnology, enzymatic processes and proteomics.
12	HPLC- Mass Spectrometer (LC-MS)	**125**	Analyte mixture is pumped into a stationery column for component separation in time and space and the molecules of the eluted components are fragmented and analysed by a quadrupole analyser	Molecular structure of petroleum components, industrial products, pharmaceuticals, biomolecules can be judged. Purity of the finished chemical industrial products be established
13	Diode-Array Uv-Vis Spectrophotometer	**8**	The entire polychromatic radiation is sent though the sample and the transmitted radiation is dispersed before the latter is sensed by array of photo-diodes	Fast changes of chemicals, biochemicals, materials and their kinetics can be studied
14	Wide Range Fluorescence Spectrophotometric Workstation	**60**	A Wide Range of UV light is used to excite atoms or molecules or biomolecules and the associated fluorescence or luminescence is spectrally recorded	Band Gap of Semiconductors, Non-Linear Optical Parameters of materials, Biochemical Assaying can be done
15	Wide Range UV-Vis-NIR Spectrophotometer with Stopped Flow and Spectroelectrochemical Accessories	**45**	Electromagnetic radiation from 3500 to 175 nm (NIR-Vis-UV) is scanned through homogeneous matrix of solids, liquids or gases and the electronic transitions are detected. The same radiation can be incident on the surfaces of powders or nanomaterials and the diffused/reflected light is observed to know the surface characteristics. While electrolysis is going on the transient products can be studied	The electronic transitions and band-gaps of semiconductors, thin-films, etc can be determined. Electronic structures of polymers, complexes, biomolecules, materials, pharmaceuticals and other products can be evaluated. Electrolytically generated transient chemicals and. kinetics of fast chemical processes can be followed. Surface electronic features of powders and nanomaterials can be understood
16	Universal Testing Machine	**105**	The specimen is placed between the grips and is exposed to controlled mechanical or thermo-mechanical or other kinds of stresses and loads while a tensometer automatically records the consequent mechanical perturbations taking place in the materials	It can perform many standard tensile and compression tests on materials, components, and structures. Physical and mechanical attributes of metals, alloys, finished solid products, etc can be studied; Phase transitions under stressed and normal conditions are investigated
17	**HP Z620 Works Station/ CAI:** Intel Xeon E5-2640 v2 2.00Ghz 20MB 1600 8C 1st CPU; Intel Xeon E5-2640 v2 2.00Ghz 20MB 1600 8C 2nd CPU; 48GB DDR3-1866 (12x4GB) 2CPU Unbuffered RAM; 2TB 7200 RPM SATA HDDs; NVIDIA Quadro K600 1GB DL-DVI(I)+DP 1st; LSI 9270-8i SAS 6Gb/s ROC RAID Card IPS LED High Definition Monitor (23" or higher) with HDMI Interface; OS: Windows 7 Professional 64 Bit			

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, 2014-2015:

1. a) Programs for Faculty Development					
Sl No	Details	Department	From Date	To Date	Coordinators
1	A 2-day In-house Workshop on "BIOINFORMATICS AND ITS APPLICATIONS (BAIA-2014)"	Bio-Tech	03/04/2014	04/04/2014	Mr.Onkara Perumal.P Dr. K. Narasimhulu
2	One day workshop on "Rapid Prototyping Systems"	EED	27/09/2014	27/09/2014	S Srinivasa Rao
3	Expert Lecture by Ms. Sujaya Rathi AICP, Principal Research Scientist, Centre for Study of Science, Technology and Policy, Bangalore for M.Tech (TE) Students	CED	11/11/2014	12/11/2014	CSRK Prasad
4	Two Day workshop on "Big Data at Department of CSE" for benefit of PG/Ph.D students and interested faculty by TCS a) Ramasubba Reddy b) Ramesh and c)Rajasekhar	CSED	07/11/2014	08/11/2014	RBV Subramanyam & DVLN Somayajulu
5	TCS and NITW joint Industry - Workshop on big data	CSED	11/07/2014	08/11/2014	RBV Subramanyam & DVLN Somayajulu
6	3 day workshop on outcomebased Accreditation	CSED	04/04/2014	06/04/2014	Prof T Ramesh
7	One day workshop was conducted to review the SARs of the program and to identify the activities to be taken up before the visit by the experts team from NBA	CSED	07/05/2014	07/05/2014	Prof T Ramesh
8	One day workshop was for Mock NBA visits arranged to review the short coming and presentation by the evaluators.	CSED	07/07/2014	10/07/2014	Prof T Ramesh
9	NBA Experts Committee visited for accreditation of 5 programs	NBA	14/11/2014	16/11/2014	Prof T Ramesh
10	NIT Directors Meet at NIT Warangal	Directors	27/12/2014	28/12/2014	Dr M Sydulu
11	NIT Interaction meet with all Dean (Academic) of 30 NIT's at NIT Warangal "Inter-NIT Interaction Workshop on Curiculum Maters "	CSED	22/12/2014	23/12/2014	RBV Subramanyam
12	Expert Lecture by Prof.Surender Marya and Prof Racineux from Ecole Centrale De Nantes, France.	MED	13/04/2014	14/04/2014	Dr M J Davidson
13	Three Day Workshop on "Surge Analysis and Design of Water Conveyance Systems in lift Irrigation Schemes"	CED	18/06/2014	20/06/2014	E Venkata Ratnam & K V Jaya Kumar
14	One Day Seminar on "Innovations in Organic Synthesis for Industrial Applications"	Chemistry Dept.	30/07/2014	30/07/2014	Prof V Rajeswar Rao

15	Two day Workshop on "Trends in Process Control"	Chemical Engineering Dept	03/07/2014	04/07/2014	Dr A Seshagiri Rao & Dr G Uday Bhaskar Babu
16	Two day National Workshop on "Eco-Friendly Structural Innovations for Sustainable Development"	MMED	18/07/2014	19/07/2014	Prof A Ramachandraiah, Prof GVS Nageswara Rao and Dr V Ram Sagar
17	One day Workshop on "Advances in Applied Optics" for the teachers from the science and Technical Institutions	Physics	27/08/2014	27/08/2014	M Sai Shankar, Dr D Dinakar and Dr Sourabh Roy
18	Three Day workshop on "Recent Trends in Power System Protection"	EED	27/11/2014	29/11/2014	Dr P Suresh Babu and Prof D V S S Siva Sarma
19	Expert Lecture by Dr Sudhakar K Rao on "Advanced Antenna Systems for 21st Century satellite communication payloads" for M.Tech and PhD of ECE Students	ECED	22/12/2014	22/12/2014	Prof NVSN Sarma
20	Three day workshop on "Advances in Computer Simulation of Solidification Processes"	MMED	18/12/2014	20/12/2014	Prof T Srinivasa Rao and Arockia Kumar
21	Expert Lecture by Prof P R Mantena, University of Mississippi, USA	CED	08/01/2015	08/01/2015	T P Tezeswi
22	Expert Lecture by Alok Shan from Life Science Research Board (LSRD) of DRDO, New Delhi	MMED	27/01/2015	28/01/2015	Prog GVS Nageswara Rao
23	Expert Lecture by Dr C Suryanarayana, Professor and Interim Chair, University of Central Florda, Orlando	MMED	05/01/2015	05/01/2015	Prof GVS Nageswara Rao
24	Expert Lecture by Lt. General K S Rao Director General (Retd.) Boarder Road, GoI on "Challenges on Design & Construction of Boarder Roads in Difficult Terrains"	CED	01/04/2014	01/04/2014	CSRK Prasad
25	Two day students workshop on "Computational Methods using Plaxis Educational Suite"	CED	12/04/2014	13/04/2014	Dr P Hari Krishna
26	Two day Workshop on "Fuel Cells & Flow Batteries for Sustainable Energy Systems"	Chemical Engineering Dept	11/07/2014	12/07/2014	Dr P V Suresh and Dr S Muralimohan
27	Three day workshop on "Recent Trends in Graph Theory and its Applications"	CSED	10/10/2014	12/10/2014	Dr P Venkata Subba Reddy and Dr K V Kadambari
28	Two day in house workshop on "Application of SWAT model in water management"	CED	30/12/2014	31/12/2014	Dr K Venkata Reddy & Prof Deva Pratap

1. b) Programs attended by NITW Faculty at other Institute in India					
Sl No	Details	Department	From Date	To Date	Attended
1	3 day workshop on "Contemporary Issues in Accreditation" at IISc Bangalore	ECE and CSE	19/05/2014	21/05/2014	Prof T Ramesh, Prof KSRK Krishna Prasad, Prof DVLN Somayajulu and Prof NS Murthy
2	To attend the 26th Hindi Conference and workshop at Kanyakumari, Tamilnadu	Chemistry Dept.	19/05/2014	25/05/2014	Dr Vishnu Shankar and Sri B Mangilal
3	To attend Inter NIT Workshop on Interaction with NITs at VNIT Nagpur	EED and CSED	13/10/2014	14/10/2014	Prof M Sydulu, Prof DVLN Somayajulu and Dr D V S S Siva Sarma
4	To attend Residential Programme on "Knowledge and Innovation Management" organized by the National Productivity Council	Director office, Maths Dept, and Chemisty Dept	25/05/2014	31/05/2014	Prof T Srinivasa Rao, Prof GVP Chandramouli, Prof G Radhakrishnamacharya
5	To attend a Training on Management Capacity Enhancement at IIM Kozhikode, Kerala	MathsDept. and EED	23/06/2014	28/06/2014	Prof J V Ramana Murthy and Dr S Srinivasa Rao
6	To attend TEQIP Design and Degree 2014 Conference organized by IIT Mumbai	MED & CED	27/06/2014	27/06/2014	Prof T Srinivasa Rao, Director Prof CSRK Prasad, Prof P Bangaru Babu, Prof V Hari Kumar, Dr K Srikanth and Dr Syed Ismail
7	To attend two day workshop on "Additive/Generative Manufacturing" at IIT Hyderabad	MED	07/07/2014	08/07/2014	Dr N Venkaiah and Dr Y Ravi Kumar
8	To attend MoU Signing function between NIT Warangal and IMT France at New Delhi	Director and CED	30/06/2014	01/07/2014	Prof T Srinivasa Rao and Prof CSRK Prasad
9	To attend a training program on "Management Capacity Enhancement Program" at IIM, Kozhikode, Kerala	MED and Bio-Tech	01/03/2015	08/03/2015	Dr G Naga Srinivasulu and Dr R Sathish Babu
10	To attend 8th batch of training program on "Management Capacity Enhancement program" at IIM, Kozhikode	CED and MED	01/02/2015	07/02/2015	Prof CSP Rao and P Ratheesh Kumar
11	To attend IEEE APS Distinguished Lectured on "Advanced Antenna Systems for Satellite Communication Payloads" at OU-Hyderabad	ECED	30/05/2014	30/05/2014	Prof N S Murhty, Dr NVSN Sarma, Dr D Vakula and Dr S Anuradha
12	To attend short term training on "Safety Aspects in the research applications of Ionizing radiation (RA) organized by BARC, Mumbai	CED	05/05/2014	13/05/2014	Dr Ajey Kumar Patel
13	To visit NRSC (National Remote Sensing Centre) and discuss with scientists on the collaborative research project at Shadnagar, Hyderabad	ECED	16/05/2014	16/05/2014	Dr L Anjanayalu

14	To attend 2nd SAHYOG Summer school on Biomass Research and Bio-Waster Conversion at Tezpur University, Assam	Chemical Engineering Dept	21/07/2014	25/07/2014	Dr S Srinath
15	To attend Workshop on "Automatic Speech Recognition and Synthesis (ASR-14)" at OU- Hyderabad	ECED	13/06/2014	20/06/2014	Smt. P Prithvi
16	To discuss about CARS project and PhD work of scholar at RCI, Hyderabad	ECED	17/10/2014	17/10/2014	Dr T Kishore Kumar
17	To attend three day short course on "Estimation Theory for Communications and Signal Processing" conducted by IIT Kanpur and BSNL IITK Telecom Center of Excellence at IIT Kanpur	ECED	21/01/2015	23/01/2015	Dr Venkata Mani and Dr S Anuradha
18	To attend "IBM Big Data Faculty Residency Programme" at Bangalore	CSED	17/06/2014	20/06/2014	Dr R B V Subramanyam
19	To attend IBM Cloud Computing Faculty Residency Program at Puna	CSED	25/06/2014	27/06/2014	Sri S Ravi Chandra
20	To attend Workshop on Knowledge Management & Innovation for Higher Educational Institutions at NIT Tiruchirapally	CED	25/07/2014	26/07/2014	Prof Deva Pratap & Prof N Subrahmanyam
21	To attend 4 day training programme on VISUM & VISSIM simulation software and 3rd Indian PTV user group meeting at New Delhi	CED	03/11/2014	07/11/2014	Dr KVR Ravishankar and Dr Arpan Mehar
22	To attend IEEE Workshop on "Advanced Topics in VLSI circuit Design" at IIT Roorkee	ECED	16/10/2014	20/10/2014	Sri K Sarangam
23	To attend a four day Eight International Workshop on Graph Labelings at National Centre for Advanced Research in Discrete Mathematics, Kalasalingam University, Krishnankoil, Tamilnadu	CSED	02/12/2014	05/12/2014	Dr P Venkata Subba Reddy
24	3 day Indo Norwegian Training Programme at VNIT Nagpur on Seismic Design of Multi-Storey Building: IS1893 Vs Euro Code8, Webcasted at NIT Warangal	CED	07/12/2014	09/12/2014	Dr K Gopikrishna, Dr M V N Sivakumar and Dr T P Tezeswi
25	To attend a short course on Nonlinear Finite Element Method (NLFEM 2014) at IIT Hyderabad	MED	16/12/2014	19/12/2014	Dr V Hari Kumar, Dr. Gopi Krishna, Dr M V N Siva Kumar, Dr T P Tezeswi and Dr Rakesh J Pillai
26	To attend Workshop on "System Identification" at Mathwork building, Bangalore	Chemical Engineering Dept	08/01/2015	09/01/2015	Dr A Seshagiri Rao and Dr G Uday Bhaskar Babu
27	To attend Tutorial Program in "Twenty Eight International Conference on VLSI Design 2015" at Bangalore	ECED	03/01/2015	04/01/2015	Sri K Sarangam
28	To attend 3-day IBM Cyber Security Faculty Development Workshop organized by IBM, Bangalore	ECED	04/06/2014	06/06/2014	Sri K Ravi Kishore

1. c) NITW Faculty Visit aboard					
Sl No	Details	Department	From Date	To Date	Attended
1	To Attend One Month R&D Training Program on Microfluidic, with Spectialization in electrokinetics at Michigan Technological University Houghton MI U.S.A.	Chemical Engineering Dept	05/10/2014	15/06/14	Dr Venu Vinod
2	To Attend One Month R&D Training program at Multimedia Communication Laboratory, Electrical and Computer Engineering, George R. Brown School of Engineering, Rice University, Houston, U.S.A.	ECE Dept.	05/09/2014	15/06/14	Dr V V Mani
3	To attend one month R&D training program in the area of "Ground Improvement techniques in expansive soils, Geo-Environmental Engineering and soil-structure interaction" at University of Texas, Arlington. (UTA) USA	CE Dept.	16/06/14	15/07/14	DR P Hari Krishna
4	To Attend One Month R & D Training Program in the area on Intelligent Systems at college of Engineering University of Saskatchewan 57 Campus Drive, Saskatoon Saskatchewan, Canada.	ECE Dept.	05/05/2014	06/01/2014	J Ravi Kumar
5	To Attend One Month R&D Training Programme in the area of VLSI Circuits and systems in the Ming Hseih Department of Electrical Engineering, Viterbi School of Engg. University of Southern California, Los Angeles, USA	ECE Dept.	16/05/14	15/06/14	Sri P Muralidhar
6	To Attend One Month R&D Training Programme in the area of beam forming for communications and radar in the Ming Hseih Department of Electrical Engineering Viterbi School of Engg. University of Southern California, Los Angeles, USA	ECE Dept.	24/05/14	23/06/14	Sri A Prakasa Rao
7	To Attend One Month R&D Training Program in the area of Precision Engineering in the CAM Lab., at University of Cincinnati, USA	Mechanical Engg.	30/04/14	01/06/2014	DR N Venkaiah
8	To Attend One Month R & D Training programme in the area of recycled concrete aggregatres, sustainability of pavement concrete material and nanomechanics of cementitious materials at University of Tennessee Chattanooga, U.S.A	CE Dept.	13/09/14	17/10/14	Dr M Heera Lal
9	To Attend One Month R & D Training Programme on the silica nanoparticles as nanocarriers for delivery systems at Instituto Superior Technoico (IST), Technical University of Lisbon, Portugal	Chemical Engineering Dept	30/08/14	10/02/2014	Dr K Anand Kishore
10	To attend One month R&D Training program in the area of "Synchrophasor applications to power system" at dept of Electrical Engineering and Computer Science, University of Tennessee, Knoxvile, U.S.A.	EE Dept.	08/06/2014	10/06/2014	Dr M Sailaja Kumari

11	To Attend One Month R & D Training program in the area on Processing of Biomaterials through Rapid Prototype Technique at Washington State University, U.S.A.	MME	11/01/2014	30/11/14	Dr Asit Kumar Khanra (Assistant Professor)
12	To Attend One Month R & D Training Programme in the area of energy/chemical from renewable sources like biomass and agro waste at Department of Biosystems & Agricultural Engg. Michigan State University, Michigan, U.S.A.	Chemical Engineering Dept	09/06/2014	10/08/2014	Dr S Srinath (Associate Professor)

2. Programs attended by NITW Non-Teaching Staff

Sl No	Details	Dept./Sec.	From Date	To Date	Attended
1	To study the day to day administration and application of rules etc., at NIT Surathkal	Administration	13/10/2014	17/10/2014	Sri R Gopinath, Sri Ch S P Rao, Sri A Kiran Kumar, Sri T Bhaskar and Sri A Jagadeesh Kumar
2	To study the day to day administration and application of rules etc., at NIT Trichy	Administration	27/10/2014	31/10/2014	Sri A A Quareshi, Sri S Venkateshwalru, Sri K Srinivasa Rao, Sri P Rajendra Prasad and Sri P Bhaskar
3	To attend the 26th Hindi Conference and Workshop at Kanyakumari, Tamilnadu	Director Office	19/05/2014	25/05/2014	Dr. Vishnu Shankar and Sri B. Mangilal

3. Programs attended/ Conducted for Students					
Sl No	Details	Department	From Date	To Date	Attended/Conducted
1	To Present paper in the 2014 IEEE Innovation Smart Gird Technologies Conference - Asia (ISGT Asia) during 20-23 May 2014 in Kuala Lumpur, Malaysia	PhD Scholar	20/05/2014	23/05/2014	Sri M Ajay Kumar Patel
2	"Fuzzy Controlled Power Management Strategies for a Grid connected Hybrid Energy System"	PhD Scholar	15/04/2014	17/04/2014	Sri T Praveen Kumar
3	Two Weeks Training Program for First Year B.Tech students (DASA)	Deans Office	21/07/2014	03/08/2014	Dr V Hari Kumar
4	One day Workshop on "TEP Launching at ISB, Hyderabad	Chemistry Dept.	26/07/2014	26/07/2014	Prof B V Appa Rao
5	Two day Workshop on "Engineering Projects in Communication Service (EPICS)	Electrical & Electronics Engg.	04/08/2014	05/08/2014	Dr D V S S Siva Sarma
6	Two day workshop on "Introduction to Robotics (ITRNITW 2014)	Electronics & Comm. Engg. Dept.	23/08/2014	24/08/2014	S K L V Sai Prakash
7	Two day Workshop on "Open Hackton and Redhat open source" with support from Mozialla.	Computer Science and Engg.	06/09/2014	07/09/2014	DVLN Somayajulu
8	3-day in house workshop on "Open Source software for civil Engineering Application"	Civil Engineering Department	17/10/2014	19/10/2014	K Venkat Reddy and T P Tezeswi
9	To attend 9th International Conference on Industrial & Information Systems		15/12/2014	17/12/2014	Aditya Sarjak Kantha (B.Tech Chemical Dngg) Student
10	Interactive session with Prof William Oakes Director (EPICS) of Purdue University	Electrical & Electronics Engg	01/01/2015	02/01/2015	Dr DVSS Siva Sarma

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	Ph.D 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	V.N.Kameswara Rao	Associate Professor	M.Tech RECW	1984	Groundwater Hydrology
11	Sri M. Sudhakar	Associate Professor	M. Tech.	1993	Structural Engineering
12	Dr. E.Venkata Rathnam	Associate Professor	Ph.D. NITW	1996	Transients, Urban Water Management.
13	Dr. P. Hari Krishna	Associate Professor	Ph.D. RECW	1997	Geotechnical Engg., Granular Piles
14	Dr. V. Ramana Murty	Associate Professor	Ph.D. RECW	1997	Ground Improvement
15	Dr.P. Rathish Kumar	Associate Professor	Ph. D (India) Dr. Engg (Japan)	1997	Special Concretes, Rehabilitation of Structures, Structural Health Monitoring.
16	Dr. T.D. Gunneswara Rao	Associate Professor	Ph. D. RECW	1997	Structural Engineering
17	Dr.M. Heera Lal	Associate Professor	M. Tech. RECW	1997	Recycled Aggregate in Rigid Pavement
18	Dr.K. Venkata Reddy	Assistant Professor	Ph. D IITB	2007	Applications of geospatial technologies to water resources engineering and rural development
19	Dr.Venkaiah Chowdary	Assistant Professor	Ph.D. IIT Madras	2008	Characterization of asphalt binders and mixtures, asphalt pavement analysis, design and evaluation.
20	Dr.S. Venkateswara Rao	Assistant Professor	Ph D JNTU, Hyd.	2008	Special Concretes like Self Compacting Concrete, Nano materials in cement mortars and concrete.
21	Dr.P. Hariprasad Reddy	Assistant Professor	Ph. D. IISc, B'lore	2008	Geo-Environmental Engineering, Contaminant transport through porous media, Bio-remediation

22	Dr. D.S.N.V. Amar Kumar (Resigned on 31.07.13)	Assistant Professor	Ph.D. IIT Kharagpur	2008	Pavement Materials
23	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.
24	Dr. D. Ravi Prasad	Assistant Professor	Ph.D , NIT W	2012	Structural dynamics
25	Dr. Ajey Kumar Patel	Assistant Professor	Ph.D IISc., B'lore	2012	Computational Fluid Dynamics, Environmental Hydraulics, Wastewater Engineering
26	Dr.M. Shashi	Assistant Professor	PhD IIT Roorkee	2012	Advanced Surveying, Photogrammetry
27	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.
28	Dr. S.Shankar	Assistant Professor	Ph.D. NITW	2013	Low volume roads, pavement evaluation and pavement design.
29	Ms. Y. Navatha	Assistant Professor (on contract basis)	M. Tech. NITW	2013	Applications of RS&GIS in Rural Development, Open source GIS, Image Processing
30	Dr. P. Venkateswara Rao	Assistant Professor	Ph.D. BITS Pilani	2013	Water and wastewater treatment and waste management
31	Dr. Rakesh J. Pillai	Assistant Professor	Ph.D. IITM	2013	Soft Clay Engineering, Cyclic Behaviour of Soils, Constitutive modeling in Geotechnical Engineering
32	Dr. G. Kalyan Kumar	Assistant Professor	Ph.D. IITM	2013	Seismic Hazard Analysis, Earthquake Geotechnical Engg., Environmental Geotechnics
33	Dr. M.V.N. Siva Kumar	Assistant Professor	Ph.D. IITM	2013	Computational Mechanics, Fracture Mechanics Applications in Metals and Concrete, Earthquake Engineering
34	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.
35	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. Rapur Venkata Chalam	Professor	Ph.D. IIT, (Kanpur)	1981	Design, Dynamics, Kinematics
2	Dr.K.Madhu Murthy	Professor	Ph.D.(RECW)	1987	Enterpreneurship,Biofuels,Thermal engineering
3	Dr. A.V.Narasimha Rao (Retired on 31.10.2014)	Professor	Ph.D.(RECW)	1974	Thermal Engineering, Solar Energy
4	Dr. Lanka Krishnand	Professor	Ph.D.,NITW	1987	CAD/CAM, Rapid Prototyping, Supply Chain Management
5	Dr. C.S.P. Rao	Professor	Ph.D (NITW)	1990	Production Engineering Scheduling, Modeling & Simulation, Evolutionary computing & MMCS
6	Dr. Srinivasa Rao S	Professor	Ph.D (IIT, Bombay)	1992	Heat power engineering, Two phase flow IC Engines, Solar energy
7	Dr. Bangaru Babu P	Professor	Ph.D (IIT, Madras)	1992	Design
8	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
9	Dr. A. Venugopal	Professor	Ph.D. (IIT Delhi)	1992	Conventional and Un-Conventional Machining, Rapid Prototyping, Metrology
10	Dr. Neelakanteshwar Rao A	Professor	Ph.D.(IIT, Kharagpur)	1994	Operations management, Quality Engineering & MST
11	Dr.Amba Prasada Rao G	Professor	Ph.D.,NITW	1996	IC Engines, Alternate Fuels, Emissions control and Renewable sources of Energy
12	Dr.Selvaraj N	Professor	Ph.D.,NITW	1992	Simulation, FMS, CNC machines, Pull systems. Materials
13	Dr.K.V.Sai Srinadh	Professor	Ph.D.(BHU, Varanasi)	1992	Mechanical Behaviour of Materials, Manufacturing Processes
14	Dr.Ravi Kumar Puli	Professor	Ph.D. (NITW)	1992	ICEngines,Alternate Fuels,Design of Air Car,Fuel Cell Car(Solar/Hydrogen),Engine Simulation
15	Sri Venkateshwara RaoG	Associate Professor	M.Tech (NITW)	1984	Metal cutting, Machine Tools
16	Sri Gupta G R K	Associate Professor	M.Tech (NITW)	1987	CFD, Turbo machines
17	Sri I.Ashok Kumar Reddy	Associate Professor	M.Tech (NITW)	1984	Metal Joining, Workshop Technology
18	Dr.R.Narasimha Rao	Associate Professor	Ph.D., RGTU (MANIT), Bhopal	2008	Tribology,Design of Bearings,Finite Element Methods,Advanced Light Weight Composites
19	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
20	Dr. V.Suresh Babu	Associate Professor	IIT Delhi	1999	Design, Vibration, Condition Monitoring, Material
21	Dr.A.Veeresh Babu	Assistant Professor	Ph.D.(Andhra University)	2006	Alternate Fuels and Emissions,Heat Transfer,IC Engines,Refrigeration and Air conditioning
22	Dr.Y.Ravi Kumar	Assistant Professor	Ph.D. (Osmania University)	2006	CAD/CAM/CIM,Rapid Prototyping, Bio-CAD, Bio-RP
23	Dr. N. Venkaiah	Assistant Professor	Ph.D. (IIT MADRAS)	2007	Metrology,Machining, Mechatronics,OptimizationTechniques, Computational Geometric Techniques.
24	Dr.Velagapudi Vasu	Assistant Professor	Ph.D.(JNTU Hyderabad)	2008	Nanotechnology, Mechatronics, Nano materials and composites
25	Sri T.Sadasiva Rao	Assistant Professor	Ph.D.NITW (Pursuing)	2008	Machining, Manufacturing Engg.
26	Dr. Subhash Chandra Bose P	Assistant Professor	Ph.D. (NITW)	2008	Machining of high temperature alloys, Optimisation Techniques

27	Dr. Joseph Davidson M	Assistant Professor	Ph.D. (NITW)	2008	Metal forming
28	Dr.G.Naga Srinivasulu	Assistant Professor	Ph.D (Andhra University)	2008	PEM Fuel Cell,Heat Transfer,IC Engines,Turbo Machines
29	Dr.Kiran Kumar K	Assistant Professor	Ph.D. (IIT, Kharagpur)	2012	Heat Transfer,Refigeration and Air conditioning,Nanofluids
30	Sri V.Rajesh Khana Raju	Assistant Professor	Ph.D. (IIT Kharagpur)	2012	Thermal Engineering
31	Dr.Srikanth K	Assistant Professor	Florida International University, USA	2012	Piezoelectric Energy Harvesting, Structural Health Monitoring, Engineering Design, Micro Air Vehicles.
32	Dr. V. Hari Kumar	Assistant Professor	Ph.D. (IIT, Kharagpur)	2012	CAD, Geometric Modelling, Isogeometric Analysis, Optimisation, Robotics
33	Dr.B.Satish Ben	Assistant Professor	PhD (AU)	2013	CAD/CAM
34	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
35	Mr.Syed Ismail	Assistant Professor (on Contract)	M.Tech. (IIT, Kharagpur)	2013	Mechanical Systems Division
36	Mr.Kanmani Subbu.S.	Assistant Professor (on Contract)	M.E (Anna University)	2013	Manufacturing Engineering
37	Dr.D Jayakrishna	Assistant Professor	PhD (IIT,Madras)	2013	Heat Transfer
38	Mr.G.Raghavendra	Assistant Professor (on Contract)	M.Tech. (NIT, Rourkela)	2013	Machine Design & Analysis
39	Dr.P.Vamsi Krishna	Assistant Professor	PhD (AU)	2014	Manufacturing Engineering
40	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.V.S.N.Sarma	Professor	PhD IIT Kharagpur	1990	Antennas, Sensor Networks
3	Sri. M.V.Ragunadh	Associate Professor	M.E/M.Tech IIT Roorkee	1985	Image Processing
4	Dr.C.B.Rama Rao	Associate Professor	PhD IIT Kharagpur	1984	Instrumentation and Adaptive Signal Processing
5	Sri. K.Ravi Kishore	Associate Professor	M.E/M.Tech NIT Warangal	1985	Wireless Sensor Networks
6	Sri. S.K.L.V.Sai Prakash	Associate Professor	M.E/M.Tech Kakatiya University	1992	Computer Networks
7	Sri. P.Hari Krishna Prasad	Associate Professor	M.E/M.Tech S.V. University	1993	Communication Networks
8	Dr. B.Laxmi	Associate Professor	PhD IIT Kharagpur	1990	Digital VLSI
9	Dr. N.Bheema Rao	Associate Professor	PhD IIT Bombay	1993	Device Modelling, RF on-chip Inductor
10	Dr.T.Kishore Kumar	Associate Professor	PhD JNTU Hyderabad	1999	Signal Processing
11	Dr. L.Anjaneyulu	Associate Professor	PhD NIT Warangal	1997	Networks, Radar Signal Processing
12	Sri.K.V.Sridhar	Associate Professor	M.E/M.Tech NIT Warangal	1997	BioMedical Signal Processing
13	Sri. T.V.K.Hanumanth Rao	Associate Professor	M.E/M.Tech IIT Delhi	1992	BioMedical Signal Processing
14	Dr. P.Sri Hari Rao	Associate Professor	PhD NIT Warangal	1999	Analog and Mixed IC Design

बारहवें दीक्षांत समारोह, 9th अगस्त 2014

Twelfth Convocation, 9th August, 2014







15	Sri. Amara Prakash Rao	Associate Professor	M.E/M.Tech Pondicherry University	1999	Smart Antennas Systems and Optimization Techniques
16	Sri. P.Muralidhar	Associate Professor	M.E/M.Tech NIT Warangal	1997	VLSI Architectures
17	Smt. P.Prithvi	Assistant Professor	M.E/M.Tech NIT Warangal	1997	Speaker Identification
18	Smt. V.Rama	Assistant Professor	M.E/M.Tech NIT Warangal	1999	BioMedical Signal Processing
19	Sri. Ravi Kumar Jatoth	Assistant Professor	M.E/M.Tech JNTU Kakinada	2006	Signal Processing
20	Dr. Damera Vakula	Assistant Professor	PhD NIT Warangal	2006	Antenna Arrays, Microwave Components, Neural Networks
21	Sri. K.Sarangam	Assistant Professor	M.E/M.Tech NIT Warangal	2006	Low Power Analog IC Design, Low Power/ Low Voltage ADC
22	Dr. S.Anuradha	Assistant Professor	PhD Andhra University	2008	Wireless Channel Modelling
23	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 Professor	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. Ramsagar	Assistant Professor	Ph.D (IIT Delhi)	2013	Chemical Process Scheduling
17.	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

S. No.	Name	Designation	Highest Degree (Univ / Instt)	Year Joined (REC / NITW)	Areas of Research
1	Dr. K. Srimannarayana (Retired on 31.8.2014)	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 (Retired on 31.3.2015)	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
18	Dr.V.Jayalakshmi	Asst. Professor	Ph.D, Mangalore University	2014	Liquid Crystals & Rheology

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

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. M.R. Vishwanathan	Assistant Professor	PhD Osmania University	2012	ELT (multilingual education; politics in language teaching; history of English teaching in India etc)
3	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.	Prof. R.B.V.Subrahmanyam	Associate Dean (Academic)	Academic
3.	Prof.D.N.S.Kasivishwanatham	Associate Dean (Accounts)	Accounts
4.	Dr. M. Sailaja Kumari	Associate Dean (Admin) upto 20.04.2014	Administration
5.	Dr. D. Dinakar	Associate Dean (Admin) from 21.04.2014	Administration
6.	Sri T. Paul	Asst. Registrar (Acad) (Officiating)	Academic
7.	Sri P. Krishna Rao	Asst. Registrar (on Contract)	Administration
8.	Sri R. Sammi Reddy	Librarian	Library
9.	Sri K.J. Prasad	Asst. Librarian (Officiating) upto Jan. 2015	Library
10.	Sri G. Ramesh	Dy. Executive Engineer	P.E. Office
11.	Sri R. Veeraswamy	Workshop Foreman	MED
12.	Sri K.Yella Swamy	Workshop Foreman (Officiating)	MED
13.	Sri S. Chandrasekhar	Stores Officer	Central stores
14.	Sri P. Mohan	Programmer	C.S.E.
15.	Dr. K. Tirupathi Reddy	I/c Medical Officer (on Contract)	Dispensary

b. Non-Teaching Staff

S.No.	Name & Designation
	SUPERINTENDENT/ACCOUNTANT
1.	Paul T,Asst.Rregistrar (Officiating)
2.	Raju G
3.	Gurupathy B
4.	Sandhya Rani D (Rtd. on 31.07.2014)
5.	Samel P
6.	Samba Murthy M
7.	Sudhakar M
8.	Zafar Md
9.	Gopinath R
10.	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 (Rtd. on 28.02.2015)
22.	Jai Singh A
23.	Dilip Kumar T
24.	Prem Kumar P
25.	Narender V
26.	Srinivas Rao K
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.	Dr. Mangilal B
11.	Rajanna M
12.	Jagadeesh Kumar A
13.	Ramesh D
14.	Vara Prasad A
15.	Bhaskar P
16.	Shoukat Ali Md.
17.	Rajendra Prasad P
18.	Suresh kumar. M
19.	Srinivas J
	JR.ASST.(S)
1.	Dayakar P
2.	Ashwin Kumar D
	JACT
1.	Veda Prakash G
2.	Ms. Husna
3.	Dr. Nanu Lunavath
	TYPIST/LD TYPIST/LD STENO- TYPIST
1.	Renuka D
2.	Ashok Kumar P
3.	Padmaja G
4.	Indira Priyadarshini B

CARE TAKER-CUM-RECEIPTIONIST

1. Jayanth G

STORE/RECORD ASSISTANTS

1. Bhaskar M
2. Adam S (Rtd. on 30.08.2014)
3. Saraiah K
4. Sarada S (Rtd. on 31.03.2015)
5. Sambaiah N
6. Sivaprasad V
7. Rajamouli K
8. Devendra K
9. Anandam G
10. Ramesh Babu Ch
11. Kishore Kumar N
12. Akbar Md
13. Heerulal P
14. Bikshapathy Y
15. Tara Bai B
16. Farooq Azam Md
17. Narayana. G
18. Kamala K
19. Kumar Swamy M
20. Krishna Veni P
21. Rajender K
22. Somaiah G
23. Sambaiah G
24. Sanjeevaiah K
25. Balaji Singh T
26. Gouri Shankar G
27. Sambaiah A
28. Tirupathi B
29. Srihari G
30. Inqushaf Ali Md.
31. Sridhar Kumar G
32. Devadas T
33. Ramesh V
34. Abdul Gaffar Md
35. Ravinder M
36. Eshwar P
37. Bikshapathy A

RONEO OPERATOR

1. Ramesh A

GARDEN SUPERVISOR

1. Umamaheswar Rao P

HEAD MALI

1. Rajaiah K

SR. LIBRARY ASSISTANT

1. Prasad K J (Rtd. on 31-01-2015)

JR. LIBRARY ASSISTANT

1. Sudarshanam B

STORE KEEPER (TECH.)

1. Vasanth Ram M (Rtd. on 31.07.2014)

W/S SUPERVISOR

1. Yella Swamy K. (officiating Foreman)

ASST. ENGINEER

1. Sardar Singh M

TECH. ASSISTANT

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

MECHANIC 'A' GRADE

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

MECHANIC 'B' GRADE

1. Suryababu D (Rtd. on 31.05.2014)
2. Rasheed Md
3. Venkateswarlu V
4. Ravinder K
5. Sudhakar V
6. Purushottam K
7. Ramchander Y
8. Parasu Ramulu K
9. Sudhakar N
10. Venugopal S
11. Srinivasulu N
12. Ravinder R
13. Ravi S
14. Veeranna T
15. Balaswamy T
16. Veerender V

MECHANIC 'C' GRADE

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

DRIVER

1. Ramesh J

STAFF NURSE

1. Rameeja Bee K

TECHNICAL HELPERS

1. Kattaiah Ch (Rtd. on 31.07.2014)
2. Komuraiah K (Sr) (Rtd. on 28.02.2015)
3. Yellaiah N
4. Kondaiah P
5. Srinivas A
6. Janardhan G (Exp. on 14-04-2014)
7. Veeraiah P
8. Dasaratham N (Rtd. on 31.05.2014)
9. Saraiah G
10. Ilaiah B
11. Jumani L
12. Rajaiah A
13. Takur B
14. Komuraiah S
15. Ilaiah P(Jr.)
16. Komuraiah K (Jr)
17. Veeraswamy(Jr.) G
18. Hajia D
19. Komuraiah A
20. Dayakar Y
21. Yadamma V
22. Nagamani V
23. Hussain Md
24. Afzal Md
25. Saraiah P
26. Yadimallu P
27. Laxmaiah B
28. Murali Krishna K
29. Laxmi T
30. Palaiah P
31. Ramulu B
32. Venkatamma K
33. Rajamma J
34. Rajanna J
35. Ilaiah R
36. Shankariah M
37. Sajeeda Khatoon
38. Surayya B
39. Jayasri B
40. Pratap G
41. Murali G

SKILLED WORK ASSISTANT

1. Narasimhulu N
2. Mallikarjun K
3. Srikanth P
4. Narasaiah J
5. Aruna Mary D
6. Shaheen Begum
7. Zaheeruddin Md.

C. Hostel Employees

HEAD COOK
1. Saraiah G
2. Venkataiah T
3. Yadagiri C
4. Veeraiah K
5. Sailu T
6. Yakaiah J

SANITARY SUPERVISOR
1. Yakub B

MESS SUPERVISOR
1. Shiak Mohammed (Rtd. on 31-01-2015)
2. Iqbal Md (Rtd. on 28-02-2015)
3. Komuraiah A
4. Ilaiah T(Jr)
5. Kumara Swamy A

STORE BOY
1. Mallesham J (Rtd. on 30-06-2014)
2. Mahboob Md
3. Maqbul Jani Md

OFFICE BOY
1. Mohd. Ameer
2. Nageshwar Rao.G

GRINDING ASSISTANT
1. Ramulu N

READING ROOM BOY
1. Babu Rao M

ASSISTANT COOK
1. Venkateswarlu E
2. Dasthagir Md
3. Sivalingaiah K
4. Vaikuntam K
5. Komaraiah J
6. Beeraiah G
7. Shankaraiah K
8. Sammaiah P
9. Ialiah G
10. Krishna Swamy N
11. Sambaiah G

HEAD SUPPLIER
1. Yellaiah S
2. Azeez Khan Md
3. Sambaiah G
4. Ravi. M
5. Kanakaiah K

KITCHEN ASSISTANT
1. Rajeswara Rao P (Rtd. on 31-03-2015)
2. Venkataswamy N
3. Chandru G
4. Mondaiah Ch
5. Sadanandam B
6. Rajaiah D (Exp. on 01-11-2014)
7. Kumara Swamy B
8. Jayaraj K
9. Laxmaiah G

MALE/MADE SERVANT
1. Venkatamma B
2. Kumara Swamy. K
3. Kumara Swamy.G

SWEEPER

1. Ilaiah A
2. Ejjagiri G
3. Sammaiah P
4. Sailu E
5. Sammaiah N
6. Cheralu M
7. Damodar Reddy V
8. Suvarna.N
9. Nirmala.R
10. Ramesh.T

SUPPLIER

1. Jaffer M A
2. Komaraiah N
3. Kanakaiah A
4. Saraiah A
5. Sailu K
6. Raju K
7. Ilaiah(Sr) T
8. Ilaiah M
9. Tirupathi T
10. Lal G
11. Kumar. P
12. Kumar. B
13. Ramulu .N
14. Afzal Pasha. Mohd
15. Sadanandam .B
16. Rajaiah A (Rtd. on 30-06-2014)
17. Cheralu K (Rtd. on 30-06-2014)
18. Veeraiah K
19. Prasad S
20. Venkataiah K

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.	Surge analysis and design of water conveyance system in Lift Irrigation Systems	17-6-14	20-6-14	Engineer from I&CADD and PHED , Research Scholar and faculty (50)	TEQIP II	Dr E Venkata Rathnam and Dr. KV Jayakumar
2.	Open Source Software for Civil Engineering Applications	17.10.14	19.10.14	Post graduate students and research scholars of Civil Engg. (45)	TEQIP II	Dr. K. Venkata Reddy and Dr. T.P. Tezeswi
3.	Three Day Training Programme on "Innovative Technologies For Low Volume Roads (ITLVR 2014)"	30.10.14	01.11.14	Field Engineers, Government of Andhra Pradesh and Telangana (30)	TEQIP II	Dr. C.S.R.K. Prasad, Dr. Venkaiah Chowdary, Dr. S. Shankar
4.	A collaborative E-class room workshop on "Seismic Design of Multi-storey Buildings: IS1893 Vs Eurocode8" proposed by VNIT-NORSAR-IITR".	07.12.14	09.12.14	M.Tech Students (60)	TEQIP-II	Dr.M.V.N.Siva Kumar Dr. K. Gopikrishna
5.	Indo-Norwegian Training programme on "Seismic design of multistory buildings, IS1893 Vs Eurocode8", Conducted at VNIT Nagpur Thru ICT at NIT Warangal	07.12.14	09.12.14	M.Tech. Students of NIT Warangal	Royal Norwegian Embassy, NORSAR and TEQIP	Dr.K.Gopikrishna, Dr. M.V.N. Sivakumar and Dr. T.P.Tezeswi along with Dr.Ratnesh Kumar and Prof.R.K.Ingle at VNIT Nagpur
6.	Applications of SWAT model in water resources management	30.12.14	31.12.14	M.Tech and Ph.D students (45)	TEQIP–II	Dr. K. Venkata Reddy and Prof. Deva Pratap
ELECTRICAL ENGINEERING DEPARTMENT:						
1	All NIT Directors Meet	27.12.14	28.12.14	All NIT Directors	NITW	Prof. M Sydulu (Dean Faculty welfare)
2	A Two-day workshop on Engineering Projects in Community Service	04.08.14	05.08.14	Students of NITW and Faculty	TEQIP-II	Prof. D.V.S.S. Siva Sarma

3	A Three-day workshop on recent trends in power system protection	27.11.14	29.11.14	Teachers of TEQIP networking institutions, AICTE approved Engineering colleges and practicing engineers working in the area of power system protection	TEQIP-II	Dr. P. Suresh Babu Assistant Professor Prof. D.V.S.S. Siva Sarma
4	Workshop on Curriculum for Dean(Academic) of NITs	22.12.14	23.12.14	Dean(Academic) of various NITs	TEQIP-II	Dr. D.V.L.N. Somayajulu
5	One day Workshop on Rapid Prototyping Systems	27.9.14		NIT Faculty	TEQIP-II	Dr. S. Srinivasa Rao Associate Professor
6	Advanced software for power system simulation	21.02.15	22.02.15	40	Self Finance	Dr. P. Suresh Babu
7	Recent Trends in Power system Protection	27.11.14	29.11.14	60	TEQIP-II	Dr. P. Suresh Babu Prof. DVSS Siva Sarma
8	One Day Workshop on Rapid Prototyping Systems	27.9.14	27.9.14	Faculty of NIT Warangal	TEQIP-II	Dr. T. Vinay Kumar S. Srinivasa Rao
MECHANICAL ENGINEERING DEPARTMENT:						
1	Training programme on "Management Capacity Enhancement at IIM Kozhikode"	01.03.15	08.03.15	Faculty from TEQIP funded Institutes	NPIU (TEQIP-II), Noida	Prof.C.Raju, Chairman, PGP, IIM Kozhikode
CHEMICAL ENGINEERING DEPARTMENT:						
1	Process simulation using Aspen plus	02.12.14	05.12.14	Students and faculty	NIT Trichy	Mr. A. Sarat Babu & Dr. V. Ram Sagar
COMPUTER SCIENCE AND ENGINEERING DEPARTMENT:						
1	Workshop on Recent Trends in Graph Theory and its Applications	11.10.14	13.10.14	Faculty (30)	TEQIP-II project of NIT Warangal	Dr. P. Venkata Subba Reddy Dr. K. V. Kadambari
CHEMISTRY DEPARTMENT :						
1	Workshop on Radiochemistry	14.11.14	15.11.14	Undergraduate and Post Graduate Students of NITW and 10 neighboring Colleges (340)	IANCAS,(SRC) IGCAR, Kalpakkam	Prof. I. A. K. Reddy
BIOTECHNOLOGY DEPARTMENT :						
1	Bioinformatics And Its Applications (Baia-2014)	03.04.14	04.04.14	For P.G and Ph.D. scholars	TEQIP-II	Mr.P. Onkara Perumal. & Dr. K. Narasimhulu

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

S. No.	Title of the Programme	Period		For whom arranged (and Numbers)	Main Sponsor	Name of the Coordinator
		From	To			
CIVIL ENGINEERING DEPARTMENT:						
i) International						
1	International Workshop on Urban Freight Transportation	07.04.14	08.04.14	Faculty and Working professionals, (20)	VREF's COE-SUFS, Rensselaer Polytechnic Institute, USA, at IIT Delhi	Dr. CSRK Prasad
2	Regional training course on industrial radioactive particle tracking (RPT) and SPECT for multi-phase process investigation	14.04.14	18.04.14	Scientists from South East Asian countries (~25)	International Atomic Energy Agency (IAEA)	Dr. Ajey Kumar Patel
3	Education Dialogue 2014 on University Rankings, Research Evaluation and Research Funding	19.06.14	-	Educationists (15)	The British Council, Times Higher Education, Thomson Reuters and Planning Commission, GoI	Dr. CSRK Prasad
4	Workshop on Holistic Future Concepts for Indian Mobility: Indo - European Collaboration	19.08.14	-	Transportation Professionals & Consultants (18)	Steinbeis Centre for Technology Transfer India and European Business and Technology Centre	Dr. CSRK Prasad
5	11th Metropolis World Congress 2014 at HYD	11.10.14	12.10.14	Policy Makers, Practitioners & Researchers 17	GHMC, Hyderabad	Dr. CSRK Prasad
6	India - US Technology Summit & Knowledge Expo	18.11.14	19.11.14	Educationists, Technologists, Researchers, Policy Makers		Dr. CSRK Prasad
7	1 day Workshop on "Public Transport, Mobility and Metropolitan Strategies: how to transform cities for a better accessibility	24.11.14	-	Policy Makers (20)	HMDA, Govt. of TS, CODATU and LACUB, France	Dr. CSRK Prasad
8	Climate Change Innovation and Resilience for Sustainable Livelihood	12.01.15	14.01.15	Scientists, faculty and students	USAID Colorado State University (Kathmandu, Nepal)	Dr. K. Venkata Reddy
ii) National						
1	National Workshop on Draft Guidelines for Regional Development Plans	04.04.14	-	Policy Makers & Planners; Researchers (30)	SPA, New Delhi & SUTP	Dr. CSRK Prasad

2	Technical Seminar on Usage of Steel Slag - Ushering a New Era	25.04.14	-	Highway Engineers (28)	FICCI, New Delhi	Dr. CSRK Prasad
3	Safety Aspects in the Research Applications of Ionising Radiation	05.05.14	13.05.14	Radiation workers in research	BARC	Dr. Ajey Kumar Patel
4	Training Course on Remote Sensing & GIS Technology and Advances (N-GI)	06.05.14	27.06.14	Working Professionals and Faculty 40	NNRMS, ISRO IIRS, Dhradun	Dr. Arpan Mehar
5	3-Day National Workshop for Dissemination of Toolkits On Traffic Engineering & Management	28.05.14	30.05.14	Faculty and Working professionals, (30)	Institute of Urban Transport, at Delhi	Dr. CSRK Prasad
6	Surge Analysis and Design of water conveyance systems in lift irrigation schemes	18.06.14	20.06.14	Faculty	TEQIP II	Dr. E.Venkat Ratnam and Dr. K.V. Jayakumar
7	Design and Degree Show DDS 2014 Conference and Exhibition	27.06.14	29.06.14	Researchers & Faculty; Industry (23)	IDC, IITB Mumbai	Dr. CSRK Prasad
8	Advanced Construction Project Management	30.06.14	04.07.14	Faculty, 30	Civil Engineering Department IIT-Delhi	Dr. MVN Siva Kumar Dr. T.P. Tezeswi
9	One Day Workshop on Stakeholder Consultation on Guide for Managing Rural Road Maintenance	05.07.14	-	Faculty and Working professionals, (23)	ILO, New Delhi and NRRDA, MoRD, GOI, New Delhi	Dr. CSRK Prasad
10	Monsoon School on Urban Floods	04.08.14	09.08.14	Researchers in Urban flooding	ITRA, IISc., Bangalore	Dr. Ajey Kumar Patel
11	One day state level workshop on Draft Urban Transport Policies	11.08.14	-	Faculty and Working professionals, (25)	State Urban Development Agency, Chhattisgarh, Raipur	Dr. CSRK Prasad
12	One Day workshop with PTAs and STAs (PMGSY, NRRDA);	24.08.14	-	Researchers & Field Engineers (30)	IIT Bhubaneswar	Dr. CSRK Prasad
13	three-day in-house workshop on open source software for civil Engineering applications	17.10.14	19.10.14	M.Tech Students (120)	TEQIP-II MHRD, India	Dr. K. Venkata Reddy
14	3rd Indian PTV User Group Meeting & Training, training course for PTV VISSIM, VISWALK and VISUM	03.11.14	07.11.14	Faculty and Working professionals, (20)	PTV Group, Germany, Institute of Urban Transport, New Delhi.	Dr. KVR Ravi Shankar and Dr. Arpan Mehar
15	Short Course on Geotechnical Investigation for Structural Engg.	13.11.14	15.11.14	Faculty	IIT Gandhinagar, Ahmedabad	Dr. P. Hari Krishna
16	Nonlinear Finite Element Method (NLFEM)	16.12.14	19.12.14	Faculty and research students (30)	IIT, Hyderabad	Dr. K. Gopi Krishna, Dr. MVN Siva Kumar, Dr. T.P.Tezeswi, Dr.Rakesh J. Pillai
17	PTV VISSIM 7.0 Advanced Training Course	18.12.14	19.12.14	Working Professionals and Faculty 15	PTV Group Germany	Dr. KVR Ravi Shankar

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18	Modeling Tools for Sustainable Water Resources Management	28.12.14	29.12.14	Faculty, students and scholars	IIT Hyderabad	Dr. K. Venkata Reddy
19	Geo-Risks and Remedies	31.12.14		Faculty	Geotechnical Engineering Division, NITW	Dr. M. Shashi
20	Workshop on Training Strategies for Capacity Building in Rural Roads Sector	16.01.15	-	Researchers and Consultants (24)	World Bank & NRRDA, MoRD Delhi	Dr. CSRK Prasad
21	Geo-Build 2015: Smart Infrastructure – Geo-build Infrastructure for Smart Cities, Hyd	11.02.15	12.02.15	Researchers, Consultants & Professionals (35)	India Geospatial Forum	Dr. K.V. Jayakumar Dr. CSRK Prasad Dr. Deva Pratap Dr. M. Shashi
22	Short course on Innovative Technologies in Transportation Engineering (ITTE2015)	23.02.15	28.02.15	Working Professionals and Faculty, (20)	(AICTE) IIT, Guwahati	Dr. Arpan Mehar
23	Brainstorming on Road Safety Applications using Dedicated Short Range Communications - The Way Forward	28.02.15	-	Scientists & Transportation Professionals (20)	CDAC, Hyderabad	Dr. CSRK Prasad

MECHANICAL ENGINEERING DEPARTMENT:

National

1	Advances in Sustainable Energy Studies	01.11.14	02.11.14	Faculty Members (50)	TEQIP	Prof. S.Srinivasa Rao

METALLURGICAL AND MATERIALS ENGINEERING DEPARTMENT:

NATIONAL

1	A Three day Workshop on "Advances in Computer Simulation of Solidification Processes".	18.12.14	20.12.14	Faculty of TEQIP networking & AICTE approved Engineering Colleges. Scientists and Engineers	TEQIP, NITW	Prof. T. Srinivasa Rao (Coordinator), Dr. G. S. Reddy & Dr. R. Arockia Kumar (Co-coordinators)

CHEMICAL ENGINEERING DEPARTMENT:

i) International

1.	International conference on New Frontiers in Chemical, Energy & Environmental Engineering (INCEEE-2015)	20.03.15	21.03.15		NIT Warangal (Golden Jubilee Year of Chemical Engg. Dept)	Dr. A.Venu Vinod, Dr. K. Anand Kishore, Dr. S. Srinath & Dr. A. Seshagiri Rao

ii) National

1.	Process simulation using Aspen plus	13.03.15	14.03.15	Students and faculty	NIT Warangal	Mr. A. Sarat Babu & Dr. V. Ram Sagar
2.	Advanced flow reactors	27.02.15	27.02.15	Students	Self-finance	Dr. Shirish H Sonawane & Dr. K. Anand Kishore
3.	ChemFlair, National Student Conference	13.03.15	14.03.15	Students	NIT Warangal (Golden Jubilee Year	Dr. T. Sunil Kumar & Dr. P. V. Suresh

					of Chemical Engg. Dept)	
4.	Fuel cells and flow batteries for sustainable energy systems	11.07.14	12.07.14	Students and faculty	TEQIP	Dr. P. V. Suresh & S. Murali Mohan
5.	Trends in process control	03.07.14	04.07.14	Students and faculty	TEQIP	Dr. A. Seshagiri Rao & Dr. G. Uday Bhaskar Babu
COMPUTER SCIENCE AND ENGINEERING DEPARTMENT:						
i) International						
1	Eighth International Workshop on Graph Labelings (IWOGL 2014)	03.12.14	06.12.14	Researchers Working in The Area of Graph Labelings	NIT Warangal	Prof. S. Arumugam
ii) National						
1	One Week ISTE STTP for Coordinators on Introduction to Design of Algorithms	16-03-15	20-03-15	Faculty (221)	NMEICT Project, MHRD, Govt. of India	Prof. Partha Pratim Chakrabarti Prof. Partha Pratim Das Prof. Pallab Das gupta
DEPARTMENT OF MATHEMATICS						
National						
1	Mathematics in Engineering Education TEQIP Short Term Course Knowledge Incubation Center (KIC) IIT Guwahati	16.02.15	20.02.15	Faculties from all over India (40)	DST, GOI	Prof. M.G.P Prasad, Department of Mathematics, IIT Gauhati
2	Two - week ISTE Short Term Training Programme (STTP) on Pedagogy for Effective use of ICT in Engineering Education	05.01.15	31.01.15	Faculties All over India (order of 1000)	DST, GOI	Prof. Sahana Murthy, Prof. Sridhar Iyer IIT Bombay
DEPARTMENT OF PHYSICS						
National						
1	Advances in applied optics (AAO)	27.08.14	27.08.14	Faculty and Research scholars	TEQIP Phase II-NITW	Dr. Sourabh Roy, Dr. D. Dinakar Dr. M. Sai Shankar
2	One day National workshop on "Recent Developments in Nanomaterials and Applications" (RDNA-2015)	30.3.15	-	Faculty and Research Scholars	Self-financed	Dr. K. V. G Reddy, Dr. P. A Azeem and Dr. T. Venkatappa Rao
DEPARTMENT OF CHEMISTRY:						
National						
1.	Innovations in Organic Synthesis for industrial Applications	28.7.14 .	30.7.14	Research Scholars and faculty members from various universities/ institutions	Tequip	Prof. V. Rajeswar Rao
2.	one day seminar on "Hindi Rajbhasha Awareness Programme"	12.9.14	----	Staff members for NITW	NIT Warangal	Dr. Vishnu Shanker

DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES						
National						
1	Developing More Purposeful English Courses in Engineering and Degree Colleges	24.4.15	26.4.15	Faculty teaching in engineering and degree colleges; 45	Self financed short term training programme	Dr. D. S. Kesava Rao, Dr. M. R. Vishwanathan and Dr. K. Madhavi

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	**Ravi Shankar KVR**	Need for an Integrated Modelling Approach for Mixed Traffic Flow Phenomena	Journal of Trends in Transport Engineering and Applications (TTEA)), STM Journals, Vol.1, Issue 1, 20-26.
2	**Mehar. A.**, Chandra S., and Velmurugan, S.	Highway capacity through VISSIM calibrated for mixed traffic conditions	KSCE Journal of Civil Engineering, 18(2), 639-645.
3	Shoab M., Jain Kamal & **Shashi. M**	GIS Augmented Automatic Train Monitoring	International Journal of Computer Applications. Vol. 104(8), 2014
4	Gagandeep Singh., Srivastava, H. S., **Shashi. M** & Parul Patel	Passive microwave remote sensing of soil moisture: A step-by-step detailed methodology using AMSR-E data over Indian sub-continent	International Journal of Advanced Remote Sensing & GIS (In Review)
5	GC Behera, **TDG Rao**, CB Kameswara	Study of Post-Cracking Torsional Behaviour of High-Strength Reinforced Concrete Beams with a Ferrocement Wrap	Slovak Journal of Civil Engineering 22 (3), 1-12
6	CNS Kumar, **TDG Rao**	An empirical formula for Mode-II fracture energy of concrete	KSCE Journal of Civil Engineering, 1-9
7	GC Behera, **TDG Rao**, CB Kameswara	Analytical Model for Torsional Response of RC Beams Strengthened With Ferrocement U-Wraps	Structural Engineering International 24 (4), 509-520
8	M. Sri Rama Chand, P. Swamy Naga Ratna Giri, G. Rajesh Kumar and **P. Rathish Kumar**	Paraffin wax as an Internal curing agent in concrete,	Magazine of Concrete Research, 67(2), 82-88, 2015.
9	**P. Rathish Kumar** etal,	Compressive Strength 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.
10	**P.Rathish Kumar** etal,	Effect of size and type of fine aggregate on mechanical and sorpitivity characteristics of concrete	Asian Journal of Civil Engineering (BHRC), ISSN 1563-0854, Vol. 15, No. 6 (2014), Pages 931 – 941.
11	**Navatha Y, Venkata Reddy K, Deva Pratap**, Sharma SB	Generation and Evaluation of DEM from Cartosat-1 Stereo Data Using Ground Control Points from Topographical Maps	Geoinformatics & Geostatistics: An Overview, 2014, Vol. 2, Issue 1
12	Girish Gopinath, Ashitha M K and **K V Jayakumar**	De-siltation study in a Tropical reservoir of Central Kerala, India- A success story	Environmental Earth Sciences, Springer, DOI 10.1007/s12665-014-3344-0
13	GVSKV Prasad and **N V Umamahesh**	Equity in water supply in intermittent water distribution networks	Water and Environment Journal, 2014, 28, pp 509-515
14	**Navatha Y, Venkata Reddy K, Deva Pratap**, Sharma SB	Generation and Evaluation of DEM from Cartosat-1 Stereo Data Using Ground Control Points from Topographical Maps	Geoinformatics & Geostatistics: An Overview, 2014, Vol 2, Issue 1
15	**Venkata Reddy Keesara**, Dasari Karthik	4D Planning and Scheduling of the Construction Project Using Project Management Software and GIS	Geoinformatics & Geostatistics: An Overview; 2014, Volume 2, Issue 2
16	Gopal Charan Behera, **T.D. Gunneswara Rao, C.B. Kameswara Rao,**	Analytical Model For Torsional Response Of Rc Beams Strengthened With Ferrocement "U" Wraps	Structural Engineering International, November, 2014 issue.

17	Gopal Charan Behera, **T.D. Gunneswara Rao, C.B. Kameswara Rao**	Study Of Post-Cracking Torsional Behaviour Of High-Strength Reinforced Concrete Beams With A Ferrocement Wrap	Slovak Journal of Civil Engineering, Vol. 22, 2014, No. 3, 1 – 12, DOI: 10.2478/sjce-2014-0012
18	**C.B. Kameswara Rao,** Rooban Kumar	A Study on Behaviour of Normal Strength Concrete and High Strength Concrete Subjected to Elevated Temperatures	ICCEE 2015: International Conference on Civil and Environmental Engineering (March 9-10th,2015) at Holiday Inn, Miami Beach, FL 33140,USA)

* **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.	**Sivakumar M V N**, Chirag Garg	Studies on Basic Design of A Precast Segmental Box Girder Bridge- Numerical case study",	International Journal of Civil Engineering, (2014), Vol . 3(3), pp.103-112.
2.	Shamsurahman S, **Sivakumar M V N.**	Seismic Vulnerability Assessment of RC Structures through Fragility Analysis	Journal of Civil Engineering and Environmental Technology, (2015), Vol.2, pp.520-522.
3.	K.L.Radhika and **P.Rathish Kumar**	Compressible Packing Model (CPM)- An alternate Mix Design Methodology for Self Compacting Concrete	Journal of Civil Engineering and Construction Review. Vol 27, September 2014, No.9, Pg 78-86
4.	**P.Rathish Kumar** T.Oshima, S.Mikami, T.Yamazaki	Damage detection at multiple locations in reinforced concrete structures using algorithm based on transfer function estimate	The Indian Concrete Journal, August 2014, Vol. 88, No. 8, Pages 33-43.
5.	**M. Chandra Sekhar & N V Umamahesh**	Modelling Pollutants in Krishna River using Adaptive Neuro-Fuzzy Inference Systems	Journal of Institution of Engineers (India) Series A, DOI: 10.1007/s40030-14-0064-0

* **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	R. Kodepakaa, **V. Chowdary**, D.Reddy, R. Dasaria, **Prasad C.S.R.K**	Performance Evaluation of Gravel Road	Oral	International conference, on transportation planning & implementation methodologies for developing countries TPMDC – 2014, 10-12 December 2014, IIT Bombay, Mumbai.
2	Vaishnavi Sunil Joshi, **Ravi Shankar KVR, CSRK Prasad**	Integrated Mass Transit Planning using VISUM simulation tool	Oral	3rd PTV User Group Meeting, Nov. 7, 2014
3	Rajkumar T. and **Ravi Shankar K.V.R**	Pedestrian Crossing Behavior Analysis over Space and Time	Oral	International conference, on transportation planning & implementation methodologies for developing countries TPMDC – 2014, 10-12 December 2014, IIT Bombay, Mumbai.
4	**Ramana Murty V.** and **Hari Krishna P.**	Swell studies on model piled footings in expansive soils	Oral	XII International Science Conference, London, UK, 2014
5	**Ramana Murty V.**, Pranav P.R.T. and Kumar, K.S.R.	Influence of lime and cement on strength properties of flyash and slag of Nava Bharati Venture Limited, Paloncha, India	Oral	International Conference on Sustainable Civil Infrastructure – 2014, ASCE, Hyderabad, October 17-18, 2014

6	Reshma R., Pranav P. R. T. and **Heeralal M.**	A numerical study on the influence of surcharge and modes of wall deformation on earth pressures on narrow retaining walls	Oral	International Conference on Sustainable Civil Infrastructure – 2014, ASCE, Hyderabad, October 17-18, 2014
7	**Hari Krishna P.** and **Ramana Murty V.**	Pullout capacity of hybrid anchor piles	Oral	XII International Science Conference, London, UK, 2014
8	Rama Vara Prasad C H., Hari Prasad Reddy, P., **Rakesh J Pillai.**, Vineet Kumar	Effect of Acids on Swell Potential of Black Cotton Soil	Oral	International Geotechnical Symposium on Disaster Mitigation in Special Geoenvironmental Conditions (6IGS), Chennai, India, January 21-23, 2015
9	Deviprasad B S, Akshay T S, Srikanth Emmadi, **Kalyan Kumar G**	Analysis of composite Earthquake catalogue of Warangal City	Oral	International Geotechnical Symposium on Disaster Mitigation in Special Geoenvironmental Conditions (6IGS), Chennai, India, January 21-23, 2015
10	M. Amulya, Ch.R.V.Prasad, P.H.P.Reddy, **G. Kalyan Kumar**	Effects of Sulphuric Acid on Black Cotton Soil	Oral	2nd international Conference on Earth Sciences and Engineering (ICEE 2015) , Coimbatore, Tamil Nadu, India, March 20-21, 2015
11	Akshay T Sakhare, Deviprasad B S, E Srikanth, M Santhosh , **G. Kalyan Kumar**	Seismic site characterization of Ramalingeswara temple at Warangal, Telangana	Oral	International Conference on sustainable energy and Built Environment, VIT Vellore, February 2015
12	Radhika M Patel, P Venkata Koteswarara Rao, **P Hari Krishna**	A study on effect of aspect ratio on the behavior of axially loaded pile supported building frame	Oral	International Conference on sustainable energy and Built Environment, VIT Vellore, February 2015
13	P Venkata Koteswarara Rao, Radhika M Patel, **P Hari Krishna**	Effect of Pile Spacing on the Soil Structure Interaction of Pile Supported Building Frame Subjected To Lateral Loads	Oral	2nd international Conference on Earth Sciences and Engineering (ICEE 2015) , Coimbatore, Tamil Nadu, India, March 20-21, 2015
14	Kalyana Rama J, **M.V.N. Sivakumar.**	A Review on Studies of Fracture Parameters of Self Compacting Concrete",	Oral	The Eighth Structural Engineering Convention (SEC 2014), Indian Institute of Technology Delhi, 22-24 December 2014.
15	Kalyana Rama J, Reshmi N, **M.V.N. Sivakumar,** Vasan A.	Experimental Investigation on Self Compacting Geo-polymer Concrete (SCGC) Incorporating Ground Granulated Blast Furnace Slag (GGBS) by varying the NaOH Molarities	Oral	The Eighth Structural Engineering Convention (SEC 2014), Indian Institute of Technology Delhi, 22-24 December 2014.
16	Chirag Garg, Aakash Jain., **M.V.N. Siva Kumar**	Studies on Mechanical Properties of Polypropylene Fiber Reinforced Concrete	Oral	International Conference on Sustainable Civil Infrastructure. Indian Institute of Technology Hyderabad, 17-18 October 2014.
17	Sri Kalyana Rama J, **Siva Kumar M V N**, Vasan A and Ritesh Reddy K.	A Review on Influence of superplasticizers on the strength characteristics of Self-Compacting Concrete"	Oral	International Conference on Sustainable Civil Infrastructure Indian Institute of Technology Hyderabad, 17-18 October 2014.
18	K.Shanthi Sri, **M.V.N.Siva Kumar.**	Analysis Of Causes For Fatal Falls From Scaffolds Using Fault Tree Analysis	Oral	International Conference on Sustainable Energy and Built Environment (ICES 2015), VIT University, Vellore, 12-13 March 2015.
19	**D. Ravi Prasad**	Detection of Structural Damage due to Cyclic Loads through Changes in Natural Frequency	Oral	ICMCME-2014, Phuket, Thailand, July 11-13, 2014

20	**T.D.Gunneswara Rao**, P-Alfrite, G.Mallikarjuna Rao, Mudimby Andal	Fracture Parameters of Fly Ash and GGBS Based Geopolymer Concrete	Oral	2014 International Conference on Applied Science and Engineering (ICASE2014), October 31-November 04, 2014 in Kenting, Taiwan
21	G. Mallikarjuna Rao, Venu.M, **T.D.Gunneswara Rao**	Fly Ash And GGBS Based Geopolymer Concrete	Oral	The International Conference on Environmentally Friendly Civil Engineering Construction and Materials Manado, Indonesia, 13 – 14 November 2014
22	K.L.Radhika and **P.Rathish Kumar**	Mix proportioning of Self Compacting Concretes based on compressible packing model	Oral	International Symposium on Design, Performance and Use of Self compacting concrete, SCC2014, 5-8 June 2014, Xiamen, China, RILEM proceedings pg 80-90, ISBN 978-2-35158-144-5.
23	**P.Ratish Kumar** , M.L.V.Prasad, M.Sri Rama Chand and M.D.Anada Babu	Effect of glass fiber and confined lateral ties on stress-strain behavior of self compacting concrete",	Oral	3-Day International Conference on Emerging Trends in Civil Engineering (ICETCE-2014), 6th – 8th January, VNR Vignana Jyothi Institute of Engineering & Technology, Hyderabad.
24	Adithya A S, **Navatha Y,**	An Android Application On Bus Schedule System For Warangal City	Oral	International Conference on Sustainable Energy and Built Environment, VIT Vellore, March 13, 2015
25	T.Sudheer, J.Pragnya, **Y.Navatha**	Network Analysis in Transportation Using GIS	Oral	International Conference on Sustainable Energy and Built Environment, VIT Vellore, March 13, 2015
26	**M Chandra Sekhar** and **N V Umamahesh**	Probability studies for assessment of dissolved oxygen Profiles in Krishna river	Oral	International Conference on Chemical, Environmental and Biological Sciences (CEBS-2015) March 18-19, 2015 Dubai (UAE)
27	V Agilan and **N V Umamahesh**	Preparation of LULC map from GE images for GIS based Urban Hydrological Modeling	Oral	International Conference on Modeling Tools for Sustainable Water Resources Management, held at IIT, Hyderabad during 28-29 December, 2014 (**This paper received best paper award**)
28	V Agilan and **N V Umamahesh**	Effect of El Niño-southern oscillation (enso) cycle on extreme rainfall events of Indian urban area	Oral	International Conference on Sustainable Energy and Built Environment, held at VIT, Vellore during 12-13 March, 2015
29	M. Amulya, Ch.R.V.Prasad, **P.H.P.Reddy**, G.K.Kumar	Effects of Sulphuric acid on Black Cotton Soil	Oral	2nd International Conference on Earth Sciences and Engineering (ICEE 2015) , Coimbatore, Tamil Nadu, India, March 20-21, 2015 Abstract No. 58
30	Veena T. S, **Venkata Reddy K**, and Reshma T	Simulation and analysis of nonpoint source pollution in usda-ars experimental watershed using advanced swat methods"	Oral	International Conference on Modeling Tools for Sustainable Water Resources Management, Department of Civil Engineering, Indian Institute of Technology Hyderabad: 28-29 December 2014
31	P. Naga Sowjanya, **K.Venkata Reddy and M. Shashi**	Effect on runoff of a regional watershed under climate change	Oral	International Conference on Modelling Tools for Sustainable Water Resources Management', IIT Hyderabad, December 28, 2014.
32	Swetalina Nath, **K. Venkata Reddy** and Joygopal Jena	Rusle And Musle Based Soil Erosion Studies Using Remote Sensing And Gis Techniques	Oral	International Conference on Modelling Tools for Sustainable Water Resources Management', IIT Hyderabad, December 28, 2014
33	Reshma T, **Venkata Reddy K, Deva Pratap**, Agilan V	Optimization of Manning's Roughness Coefficients for a watershed using Multi-Objective Genetic Algorithm	Oral	International Conference on Modelling Tools for Sustainable Water Resources Management', IIT Hyderabad, December 28, 2014

34	Praveen Kumar CH & **Venkata Reddy K.**	Advanced geospatial techniques for hydrological data visualization	Oral	International Conference on Modelling Tools for Sustainable Water Resources Management', IIT Hyderabad, December 28, 2014
35	Abhiram kanigolla, **K.Venkata Reddy**	Impact assessment study of the watershed development program	Oral	International Conference on Modelling Tools for Sustainable Water Resources Management', IIT Hyderabad, December 28,2014
36	Ch. Tirupathi, **K.Venkata Reddy**	Impact Of Climate Change On Water Resources Of Warangal District	Oral	International Conference on Modelling Tools for Sustainable Water Resources Management', IIT Hyderabad, December 28,2014
37	B Aneesha Satya, **K Venkata Reddy**	A Study On The Fluoride Affected Areas Using Advanced Geospatial Methods	Oral	International Conference on Modelling Tools for Sustainable Water Resources Management', IIT Hyderabad, December 28, 2014.
38	B Aneesha Satya, **K Venkata Reddy**	A WEBGIS based study of fluoride affected areas	Oral	International Conference on Sustainable Energy and Built Environment, VIT Vellore, March 13, 2015.
39	Sri Lakshmi Sesha Vani Jayanthi , **K.Venkata Reddy**	R Programming Tools For Climate Data Parameters Visualization	Oral	International Conference on Modelling Tools for Sustainable Water Resources Management', IIT Hyderabad, December 28, 2014.
40	**K Venkata Reddy**, Sri Lakshmi Sesha Vani Jayanthi, Kotrike Tharani, P Naga Sowjanya	Geospatial modeling tool for climate data retrieval",	Oral	International Conference on Climate Change Innovation and Resilience for Sustainable Livelihood. Kathmandu, Nepal, January 12. 2015.
41	K.Tharani, Abhishek Chakraborthy, **K.Venkata Reddy**	Geospatial Analysis Of Vegetation Dynamics Using Time Series Satellite Data(PCI)	Oral	International Conference on Sustainable Energy and Built Environment, VIT Vellore, March 13, 2015
42	E.Lakshmi, **Deva Pratap**, P. V. Nagamani, K. H. Rao, T. Preethi Latha, S. B. Choudhury	Time Series Analysis Of Primary Productivity Along The East Coast Of India Using Oceansat-2 Ocean Colour Monitor (OCM)	Oral	International Society for Photogrammetry and Remote Sensing, TC VIII Mid-Term Symposium, ISPRS Hyderabad, October 2015
43	E.Lakshmi, **Deva Pratap**, P. V. Nagamani, K. H. Rao, T. Preethi Latha, S. B. Choudhury	Estimation Of Primary Productivity Along The North Indian Ocean Using Oceansat-2 Ocm	Oral	World Ocean Science Congress, Protect Ocean for Posterity, WOSC, Kochi, February 2015.
44	Shoab, M., Jain K. & **Shashi, M.**	Location Based Asset Management Application for Railway: AMS-R"	Oral	11th Symposium on Location Based Services (LBS 2014), Vienna University of Technology, Vienna, Austria. Nov. 26–28, 2014
45	Naga Sowjanya, P., Venkata Reddy, K and **Shashi, M.**	Effect of Estimated Runoff under changing climate on Regional Watershed"	Oral	International Conference on Modelling Tools for Sustainable Water Resources Management, Department of Civil Engineering, Indian Institute of Technology Hyderabad, December 28-29, 2014
46	Anusha, S., Ramana, K. V., Srikanth, P., Seshasai, M. V. R & **Shashi, M.**	Estimation of kharif cropped area using multi-date Risat-1 SAR data	Oral	International Conference on Sustainable Energy and Built Environment", VIT University, March 12-13, 2015
47	Ramreddy, T., Vishnuprakash Reddy, C & **Shashi, M.**	An accuracy assessment of Cartosat-1 and ASTER Digital Elevation Models	Oral	International Conference on Sustainable Energy and Built Environment", VIT University, March 12-13, 2015
48	Vishnuprakash Reddy, C., Ramreddy, T & **Shashi, M.**	Airborne LIDAR for forestry metrics	Oral	International Conference on Sustainable Energy and Built Environment", VIT University, March 12-13, 2015.

49	Gagandeep Singh., Srivastava, H. S., **Shashi, M** & Parul Patel.	Analysis of monthly soil moisture variations derived from AMSR-E for the year 2010 over Indian subcontinent	Oral	International Conference on Sustainable Energy and Built Environment", VIT University, March 12-13, 2015.

* **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	Roy, N., **Chowdary, V.**, and Krishnan, J. M.	Influence of rest periods on the creep and recovery of asphalt concrete mixtures	Oral	Colloquium on Transportation Systems Engineering and Management, Kozhikode.
2	**Ramana Murty V.**, Pranav P.R.T. and Arun Francis	Evergreen housing systems using geomembrane liner in roof slabs	Oral	Innovations and Advances in Civil Engineering Towards Green and Sustainable Systems, Coimbatore Institute of Technology, Coimbatore, 2014
3	Soumya S., **Ramana Murty V.** and Pranav P.R.T	Pneumatic radial preloading for consolidation of soft clays – An innovative technique	Oral	Indian Geotechnical Conference – 2014, JNTU Kakinada, December 18 – 20, 2014
4	Reshma R., **Heeralal M.** and Pranav P.R.T.	Experimental and numerical study of active earth earth pressures on narrow retaining walls.	Oral	Indian Geotechnical Conference – 2014, JNTU Kakinada, December 18 – 20, 2014
5	Koteswara Rao. P.V., Jithu P. Sruthi S. and **Hari Krishna P.**	Soil structure interaction of building frame supported by pile foundations subjected to lateral loads	Oral	Indian Geotechnical Conference – 2014, JNTU Kakinada, December 18 – 20, 2014
6	Khan A.A. and **Hari Krishna P.**	A study on load carrying capacity of soft clays provided with granular piles of different materials	Oral	Indian Geotechnical Conference – 2014, JNTU Kakinada, December 18 – 20, 2014
7	Sudheer kumar Y., Manivannan, and **Hari Krishna P.**	Effect of MSW leachate on behaviour of soils in Warangal	Oral	Indian Geotechnical Conference – 2014, JNTU Kakinada, December 18 – 20, 2014
8	Gnana Prasanna G. and **Rakesh J. Pillai**	Influence of waste plastic strips on engineering behavior of soils	Oral	Indian Geotechnical Conference – 2014, JNTU Kakinada, December 18 – 20, 2014
9	Partha Das and **Rakesh J. Pillai**	Influence of waste tyre chips on the strength and deformation characteristics of silty and cayey sand	Oral	Indian Geotechnical Conference – 2014, JNTU Kakinada, December 18 – 20, 2014
10	Vishnuvardhan B., **Kalyan Kumar G.**, Abhiram K	Effect of RBI grade 81 on subgrade soil	Oral	National conference on Technological innovations for sustainable infrastructure, NIT Calicut, March 2015
11	PKN Jogeswara Rao, P.Venkateswara Rao and **M.V.N.Siva kumar.**	Environmental Impact Assessment in the Construction stage for Commercial Buildings Using Decision supportive Tool	Oral	National Conference on Technological Innovations for Sustainable, Infrastructure (TISI 2015), National Institute of Technology Calicut, 13-15 March 2015.
12	Vinothini.M, Mallikarjun.G and **Rama Seshu.D**	Bond strength of Geopolymer Concrete	Oral	National Conference on Recent Advances in Civil Engg, (RRACE-2014)- 7-8,Nov., 2014, Dept of Civil Engg, Univ Colege of Engg, Osmania University, Hyderabad, pp.281-284

13	Rohini K and **Rama Seshu.D**	A study on effect of stress on UPV values of Concrete	Oral	National Conference on Recent Advances in civil Engg, (RRACE-2014)- 7-8,Nov 2014, Dept of Civil Engg, University College of Engg, Osmania University, Hyderabad, pp.299-301
14	M. Sri Rama Chand, **P. Rathish Kumar**	Self curing agents in Self Compacting Mortars, All India Seminar on New Developments in use of Alternative Materials for Concrete	Oral	All India Seminar on New Developments in use of Alternative Materials for Concrete AMCON-15, Nagpur, India, March 13-14, 2015
15	K.L. Radhika, S Rakesh and **P. Rathish Kumar**	An Experimental study on Bond Behaviour of Self compacting concrete'	Oral	All India Seminar on New Developments in use of Alternative Materials for Concrete, AMCON-15, Nagpur, India, March 13-14, 2015
16	K.Sindhu, K.H.V.Durga Rao, **Y.Navatha**	Hydrological Modelling In Brahmani-Baitarani River Basin	Oral	National Symposium TROPMET 2015 on "Weather and Climate Extremes, Panjab University, Chandigarh, February 2015
17	K.Sindhu, K.H.V.Durga Rao, **Y.Navatha**	Runoff Estimation At Basin Scale Using Space Inputs Through Hydrological Modelling Approach	Oral	National Seminar on "Geo-Informatics Application in Rural Development, NIRD, Hyderabad March 2015
18	Shimna Paulose, **P Hari Prasad Reddy** and **K V Jayakumar**	Effect of Alkaline Solutions on Hydraulic Conductivity of Soils	Oral	13-14 March,2015 National Conference on Technological Innovations for Sustainable Infrastructure NIT Calicut,
19	Shimna Paulose, **P Hari Prasad Reddy** and **K V Jayakumar**	Swell Potential of Soils Contaminated with NaOH Solutions	Oral	December 2014, Indian Geotechnical Conference, IGC-2014, Kakinada, pp.1772-1779
20	B.Madhumati Devi and **K V Jayakumar**	Phytoremediation Studies on Tannery Effluent using Pilot Scale Constructed Wetlands",	Oral	29 Oct -1 Nov, 2014, Hyderabad, Proceedings of the International Conference on Hydrology and Watershed Management with a focal theme on Ecosystem Resilience
21	Arpita Singhi, Y. Naveen Kumar and **KV Jayakumar**	Six Sigma in Construction Industry – State of Art	Oral	13-14 March, 2015, International Conference on ASCE, Civil Engineering Systems, VIT Vellore
22	**E.Venkata Rathnam**, N.Ruben, P.Raghuveer Rao	Surge Protection Design for Water Conveyance System for the case of Power failure to pumps in Lift Irrigation Scheme using SAP2	Oral	HYDRO-2014, MNIT, Bhopal, December 18-20, 2014
23	N.Mowlali, **E.Venkata Rathnam**	Artificial Neural Networkrtificial Neural Network Model for Design of Air Vessel for Controlling the Water hammer Pressures	Oral	HYDRO-2014, MNIT, Bhopal, December 18-20, 2014
24	M.Sagar Kumar, **E.Venkata Rathnam**	Method of Characteristics Approach for Solving Water hammer Equations –A Case Study.	Oral	International Conference on Hydrology and Watershed Management (ICHAWM-2014), JNTU Hyderabad, 29-10-2014 to 01-11-2014
25	D.Divya Bharathi, **Dr. P.Venkateswara Rao**, Dr.Satish Babu & Dr. S.S.Baral	Development of efficient bioleaching process for the metal recovery from Spent catalysts	Oral	20-21March, 2015, NIT Warangal
26	P.K.N Jogeswara Rao, **P.Venkateswara Rao**, M.V.N.Siva Kumar	Environmental Impact Assessment in Construction of Commercial Building using Decision Supportive Tool	Oral	13 – 14 March, 2015, NIT Calicut

27	K.Tharani, Abhishek Chakraborthy, **K.Venkata Reddy**	Geospatial Analysis Of Vegetation Dynamics Using Time Series Satellite Data(Trend)	Oral	National Seminar on Geoinformatics applications in Rural development, NIRD, Hyderabad, March 2015
28	E.Lakshmi, **Deva Pratap**, P. V. Nagamani, K. H. Rao, T. Preethi Latha, S. B. Choudhury'	Inter-Comparison Of Primary Productivity Using Oceansat-2 Ocm With Modis Along The East Coast Of India	Oral	National conference on Impact of Climate Change Successes and Challenges in Ocean and Atmospheric Research SCOAR 2014, Andhra University, Visakhapatnam, september2015

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

ELECTRICAL ENGINEERING DEPARTMENT:

A. Publications

i) 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 distributed generations using shuffled bat algorithm with future load enhancement	INTERNATIONAL TRANSACTIONS ON ELECTRICAL ENERGY SYSTEMS Int. Trans. Electr. Energ. Syst. (2015) Published online in **Wiley Online** Library (wileyonlinelibrary.com). DOI: 10.1002/etep.2076
2	K. Ravi Kumar, **M. Sydulu**	Guaranteed Convergence based PSO approach for Optimal Power Flows with Security Constraints	Majlesi Journal of Energy Management, Vol 3, No. 3 (2014) ISSN: 2332-3073, www.em.majlesi.info
3	K.Ravi Kumar, S. Anand, **M.Sydulu**	Novel Multi agent based PSO approaches for Optimal Power Flows with Security Constraints	Iranian Journal of Electrical and Electronic Engineering (IJEEE), ISSN: 1735-2827, www.ijeee.iust.ac.ir (accepted for publication)
4	D. Rakesh Chandra, **M. Sailaja Kumari, M. Sydulu,** F. Grimacciaand M. Mussetta	Adaptive Wavelet Neural Network Based Wind Speed Forecasting Studies	Journal of Electrical Engineering Technology (JEET), Vol. 9, No. 6: pp.1812-1821, 2014
5	D. Rakesh Chandra, **M. Sailaja Kumari, M. Sydulu**	Comparison of ANN, AWNN for Wind Speed Forecasting Studies	International Electrical Engineering Journal (IEEJ) Vol. 5 (2014) No.2, pp. 1247-1254.
6	D. Rakesh Chandra, Francesco Grimaccia, Sonia Leva, Marco Mussetta, **M. Sailaja Kumari, M. Sydulu** Zich Riccardo	Adaptive wavelet neural network for wind speed and solar power forecasting for Italian data	Leonardo Electronic Journal of Practices and Technologies, Issue 25, July-December 2014, pp. 118-134
7	J. Vijaya Kumar, **D.M. Vinod Kumar**	Generation bidding strategy in a pool based electricity market using Shuffled Frog Leaping Algorithm	Applied Soft Computing, Elsever publication, Vol. 21 2014 pp.407-414
8	**N Subrahmanyam,** D Sudha Rani, **M Sydulu**	Network Reconfiguration and Capacitor Placement for Optimal Operation of Radial Distribution System	Turkish Journal of Engineering, Science and Technology, vol. 2, issue 4, pp. 173.187
9	Sharath Kumar Papani, **Vishwanathan Neti, Bhagwan K. Murthy**	Dual frequency inverter configuration for multiple-load induction cooking application ISSN 1755-4535	IET Power Electron., 2015, Vol. 8, Iss. 4, pp. 591–601 published in Apr.2015
10	Sharath Kumar Papani, **Vishwanathan Neti, Bhagwan K. Murthy**	Buck-Boost Interleaved Inverter Configuration for Multiple-Load Induction Cooking Application	J Electr Engg., Technol.2015;10(1): 271-279 Published in Jan 2015
11	Sharath Kumar Papani, **Vishwanathan Neti, Bhagwan K. Murthy**	Multiple load indcution cooking application with 3 leg inverter configuration	Journal of Power Electtronics (accepted for publication)
12	**N.Vishwanathan, S.P. Selvi**	Three leg inverter configuration for simultaneous dual-frequency induction hardening with independent control.	Accepted for Publication in IET, Power Electronics,2015
13	**Veeramraju Tirumala Somasekhar,** Barry Venugopal Reddy K. Siva Kumar	A Four-level Inversion Scheme for a Six-n-Pole Open-end Winding Induction Motor Drive for an Improved DC-link Utilization	IEEE Transactions on Industrial Electronics, vol.61, issue 9, September 2014, pp. 4565-4572.

14	**Sachin Jain,** Athiesh Kumar T, Ramsha Karampuri, **V. T. Somasekhar**	A Single-Stage Photo Voltaic System for a Dual-Inverter fed Open-End Winding Induction Motor Drive for Pumping Applications	Early access, Citation information: DOI 10.1109/TPEL.2014.2365516, IEEE Transactions on Power Electronics
15	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. 41, pp. 27-38, March 2014.
16	**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	International Review of Electrical Engineering, Vol. 9, No. 1, pp. 1 - 6, Feb 2014.
17	**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, Vol. 9, No. 1, pp. 36 - 41, Feb 2014.
18	Vijay Kumar, B, **N. V. Srikanth**	Optimal location and sizing of Unified Power Flow Controller (UPFC) to improve dynamic stability: A hybrid technique	International Journal of Electrical Power & Energy Systems, Elsevier Vol.64,pp. 429-438. 2015
19	**Dr.S. Srinivasa Rao Dr. T.Vinay Kumar**	Hardware Implementation of Direct Load Angle Controlled Induction Motor Drive	Electric Power Components and Systems, U.S.A. Taylor & Francis Pub. Vol. 42, No. 14, 1505 –1516, Sept. 30 , 2014
20	**Dr.S. Srinivasa Rao Dr. T.Vinay Kumar**	Direct torque controlled Induction Motor Drive Based on Cascaded Three Two-level Inverters	International Journal of Modeling and Simulation, Canada, Vol. 34, Issue 2, June 2014. ACTA Press, Canada.
21	M.Murali, **M.Sailaja Kumari, M.Sydulu**	Optimal spot pricing in electricity market with inelastic load using Constrained Bat Algorithm	International Journal of Electric Power and Energy Systems, Elsevier, Vol.62, PP.897-911, 2014
22	M.Murali, **M.Sailaja Kumari, M.Sydulu**	Estimation of Locational Marginal Price in a restructured Electricity market with different loss cases using seed Genetic Algorithm	Arabian Journal for Science and Engineering, Springer, Vol.39.No.2, PP1089-1106,2014
23	M.Murali, **M.Sailaja Kumari, M.Sydulu**	A Review of Transmission Pricing methods in Restructured Electricity Market and case studies	International Electrical Engineering Journal, Vol.5, No.1, PP 1186-1197, 2014
24	**B. Nagu**	Analysis of a PMSG based off-shore wind farm fed to a onshore grid through hybrid HVDC system.	International Journal of Research in Engineering and Technology, *ISSN* 2319-1163, Vol.3, No.5, May 2014.
25	**Srinivasan Pradabane, B.L. Narasimharaju, N.V. Srikanth**	A Novel SVPWM Scheme for Open-end Winding Induction Motor Drive Configuration	Accepted for Publication in IET Power Electronics
26	**Dr. P. Suresh Babu** Saptarshi Roy	A novel approach for faulty phase detection of series compensated transmission line	International Journal on advanced computer engineering and communication technology ISSN(print): 2319-2526, Volume-3, issue-4, 2014
27	**P. C. Sekhar**	Storage Free Smart Energy Management for Frequency Control in a Diesel-PV-Fuel Cell Based Hybrid AC Microgrid	IEEE Transactions on Neural Networks and Learning Systems (Accepted for Publication)
28	**P. C. Sekhar**	Data analytics based neuro-fuzzy controller for diesel-photovoltaic hybrid AC microgrid	IET Generation, Transmission & Distribution, Vol. 9, no. 2, pp. 193-207, 2015
29	**P. C. Sekhar**	Takagi–Sugeno fuzzy-based incremental conductance algorithm for maximum power point tracking of a photovoltaic generating system	IET Renewable Power Generation, Vol. 8, no. 8, pp. 900-914, Nov. 2014
30	**P. C. Sekhar**	Sliding mode based feedback linearizing controller for grid connected multiple fuel cells scenario	International Journal of Electrical Power and Energy Systems – Elsevier, Vol. 60, pp. 190–202, Sept. 2014

31	**P. C. Sekhar**	Exploring frequency control capability of a PV system in a hybrid PV-rotating machine-without storage system	International Journal of Electrical Power and Energy Systems – Elsevier, vol.60, pp. 258–267, Sept 2014

* 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	**Srinivasan Pradabane, B.L. Narasimharaju, N.V. Srikanth.**	Space-vector Based Equal Switching Strategy for Three-level Open-end Winding Induction Motor Drive	The Journal of CPRI, Vol. 10, No. 2, June 2014 pp. 1-10.

* 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, Sydulu Maheswarapu, Sailaja Kumari Matam**	Optimal placement and sizing of DGs at various load conditions using Shuffled Bat algorithm	Oral	IEEE POWER AND ENERGY CONFERENCE at ILLINOIS, CHICAGO, USA. 20th to 21st February 2015. pp 1-5.
2	Kumar,T.P, **Chandrashekar Y, Subrahmanyam,N, Sydulu M**	Control strategies of a fuzzy controlled grid connected hybrid PV/PEMFC/battery distributed generation system	Oral	IEEE POWER AND ENERGY CONFERENCE at ILLINOIS, CHICAGO, USA. 20th to 21st February 2015. Page(s) 1-6
3	Chandra, D.R, **Kumari, M.S, Sydulu, M,** Grimaccia, F, Mussetta, M, Leva, S, Duong, M.Q	Small signal stability of power system with SCIG, DFIG wind turbines	Oral	IEEE Annual India Conference (INDICON), DOI: 10.1109/INDICON.2014.7030424. Publication Year: 2014, Pp: 1- 6. Pune, Maharashtra.
4	**Chandrasekhar Yammani, Sydulu Maheswarapu, Sailaja Kumari Matam**	Optimal placement and sizing of multi Distributed generations with renewable bus available limits using Shuffled Bat algorithm	Oral	IEEE 2014 27th Canadian Conference on Electrical and Computer Engineering, May 4th to 7th, 2014 at the Ryerson University, Toronto, Ontario, Canada. DOI: 10.1109/CCECE.2014.6901066 Page(s): 1 – 6.
5	Kumar, D. Bharath, O. V. S. R. Varaprasad, **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 International Conference Advanced Communication Control and Computing Technologies (ICACCCT), 8th – 10th May 2014.
6	O V S R Varaprasad, **D V S S Siva Sarma**	An improved SVPWM based shunt active power filter for compensation of power system harmonics	Oral	16th International Conference on Harmonics and Quality of Power, Bucharest, Romania 25th -28th May, 2014
7	O V S R Varaprasad, **D V S S Siva Sarma**	An Improved Three Level Hysteresis Current Controller for Single Phase Shunt Active Power Filter	Oral	6th International Indian Power Electronic Conference (IICPE 2014), NIT Kurukshetra, December 08th- 10th, 2014.
8	O V S R Varaprasad, D Bharath Kumar **D V S S Siva Sarma**	Three Level Hysteresis Current Controlled VSI for Power Injection and Conditioning in Grid Connected Solar PV Systems	Poster	IEEE International Conference On Power Electronics, Drives And Energy Systems (PEDES 2014), IIT Bombay, December 16th- 19th, 2014.

9	N.Rama Devi, **D.V.S.S.Siva Sarma,** P.V.Ramana Rao	Detection and identification of stator inter-turn faults in three-phase induction motor in presence of supply unbalance condition	Oral	IEEE International Conference On Power Electronics, Drives And Energy Systems (PEDES 2014), IIT Bombay, December 16th- 19th, 2014
10	A.A. Nanadikar, V.N. Biradar, **D.V.S.S. Siva Sarma**	Improved outage prediction using asset management data and intelligent multiple interruption event handling with fuzzy control during extreme climatic conditions	Oral	IEEE International Conference on Smart Electric Grid (ISEG), KL University Guntur, September 19th -20th, 2014.
11	**N Subrahmanyam,** T Praveen Kumar **M Sydulu**	Fuzzy Controlled Power Management Strategies for a Grid Connected Hybrid Energy System	Oral	2014 IEEE PES Transmission & Distribution Conference & Exposition, 14th-17th April 2014 in Chicago, IL, USA.
12	**N Subrahmanyam,** T Praveen Kumar **M Sydulu**	Control strategies of a fuzzy controlled grid connected Hybrid PV/PEMFC/ Battery distributed generation system.	Oral	IEEE PECI Illinois, 20th & 21st Feb. 2015 USA
13	**N Subrahmanyam,** Vivek Gupta Sudha Rani Donepudi	Optimal Placement of Distributed Generators in Distribution System using Backtracking Search Optimization on various Load Models	Oral	IEEE International Conference on Recent Developments in Control, Automation and Power Engineering (RDCAP), Amity School of Engineering and Technology, 12th -13th , March, 2015, Noida.
14	Karampuri, R, Jain, S, **Somasekhar V.T.**	A single-stage solar PV power fed Open-End Winding Induction Motor drive with MPPT	Oral	IEEE international conference on Power Electronics, Drives and Energy Systems (PEDES), 16th – 19th December 2014
15	Rao, R.S., Chaitanya B.N., Saichand N., **Somasekhar V.T.**	Comparative evaluation of SVPWM strategies for a dual inverter fed open-end winding induction motor drive with a single DC power supply	Oral	40th annual conference of IEEE-IECON 2014 held at Dallas, USA during 29th October – 1st November 2014
16	M. Ajay kumar, **N.V.Srikanth**	Fast Fault Recovery of a Grid Integrated Wind Farm Based HVDC Light Transmission System	Oral	IEEE Innovative Smart Grid Technologies ASIA-2014, *Kuala Lampur, Malaysia* 20-23 May, 2014, pp.453-458
17	Phanindra Kumar G, **Venkaiah Ch**	Optimal Placement and sizing of multi distributed Generators using Teaching and Learning Based Optimization	Oral	IEEE – International Conference on Smart Electric Grid (ISEG) 2014 , KL University, Guntur, September 19-20, 2014
18	Billakanti Suresh, **Venkaiah Ch**	An effective binary integer linear programmed approach for optimal placement of PMUs in Power System	Oral	IEEE – International Conference on Smart Electric Grid (ISEG) 2014 , KL University, Guntur, September 19-20, 2014
19	**B.Nagu**	A Comparative Study on Design and Tuning of Integer and Fractional Order PID Controller	Oral	6th International Conference on Modeling, Identification and Control, 2014, Swinburne University of Technology, Melbourne, Australia.
20	**Ramulu.Ch;, Jain.S,**	Single stage PV source based Dual Inverter Fed Open-End-Winding Induction Motor pump	Oral	Presented at Electrical, Electronics and Computer Science (SCEECS), 2014 IEEE Students Conference. 2014 Maulana Azad National Institute Of Technology Bhopal,India,1st-2ndMarch-2014

21	**Ramulu.Ch;, Jain.S**	An optimal and Efficient PV System using two 2-level Cascaded 3-level inverter for Centrifugal Pump	Oral	Power Electronics, Drives and Energy Systems (PEDES), 2014 IEEE International Conference on vol., no., pp.1-6, 16-19 Dec. 2014, IIT Bombay INDIA
22	**Dr. P. Suresh Babu** M. Lohith	A Novel approach for transmission line fault location using synchrophasor measurement.	Oral	Accepted for presentation at "IEEE International conference on energy, power and environment" to be held from 12-13 June 2015 NIT Meghalaya
23	**Dr. P. Suresh Babu** N. V. Phanendra Babu	A wide area prospective on power system protection. a state of art	Oral	Accepted for presentation at "IEEE International conference on energy, power and environment" to be held from 12-13 June 2015 NIT Meghalaya
24	Chinmaya K A, **Udaya Bhasker M**	Analysis of Different Space Vector Pulse Width Modulation Techniques for Five-Phase Inverters	Oral	The 11th IEEE India conference INDICON-2014 emerging tends and innovation technology 11th-13th December 2014, Pune, India.
25	V Sonti, **S Jain**, V Agarwal	A new low cost and high efficiency cascaded half-bridge multilevel inverter with reduced number of switches	Poster	PEDES -2014, IIT-Bombay
26	R. Karampuri, **S. Jain, V.T. Somasekhar,**	A single-stage solar PV power fed Open-End Winding Induction Motor pump drive with MPPT	Oral	PEDES -2014, IIT-Bombay
27	**S Jain**, B Ritanjali, V Agarwal	High-gain boost converter with coupled inductor and switched capacitor for low voltage renewable energy sources	Oral	PEDES -2014, IIT-Bombay
28	R. Chinthamalla, K. Ganesh, **S. Jain**	An optimal and efficient PV system using two 2-level cascaded 3-level inverter for Centrifugal pump	Oral	PEDES -2014, IIT-Bombay
29	K. Karthik, **Narasimharaju B. L,** S. Srinivasa Rao,	Five Level Inverter using POD PWM Technique	Oral	IEEE EESCO-2015 conference, 24-25th Janaury 2015, Visakhapatnam, India.
30	**Narasimharaju B.L.**, Prahlad V.V., Reddy U.R., Vijay Babu K., **Srinivasan P,**	Optimized dual active bridge Bi-directional DC-DC converter for UPS application	Oral	*Power Electronics, Drives and Energy Systems (PEDES), 2014 IEEE International Conference on* vol., no., pp.1-6, 16-19 Dec. 2014, IIT Bombay INDIA
31	Ramanjaneya Reddy U, **Narasimharaju B. L.**	"Enhanced closed loop voltage control of buck converter for improved performance,	Oral	*India Conference (INDICON), 2014 Annual IEEE* , vol., no., pp.1-5, 11-13 Dec. 2014, IEEE Pune Sec. & University of Pune, INDIA
32	**Pradabane. S, Narasimharaju B.L, Srikanth N.V**	Two-quadrant clamping inverter scheme for three-level open-end winding induction motor drive	Poster	*Power Electronics, Drives and Energy Systems (PEDES), 2014 IEEE International Conference on* vol., no., pp.1-4, 16-19 Dec. 2014, IIT Bombay INDIA
33	Chaithanya, B.K., **Dr. A. Kirubakaran**	A Novel Four Level Cascaded Z-Source Inverter	Oral	IEEE PEDES conference, IIT Bombay, 16-19th Dec. 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	Rakesh Chandra, **M. S. Kumari**, **M. Sydulu**, F. Grimaccia, M. Mussetta, S. Leva, M.Q. Duong	Impact of SCIG, DFIG Wind Power Plant on IEEE 14 Bus System with Small Signal Stability Assessment	Oral	Department of Electronics and Electrical Engineering, IIT Guwahati during December 18th- 20th, 2014.
2	O V S R Varaprasad, **D V S S Siva Sarma** Rakesh Kumar Panda	Advanced Windowed Interpolated FFT Algorithms for Harmonic Analysis of Electrical Power System	Oral	18th National power System Conference (NPSC 2014), **IIT Guwahati during December 18th- 20th, 2014**
3	**N.Vishwanathan**, S.P. Selvi, P. Sharath Kumar	Design and Control of Two-Inverter Dual Frequency Induction Hardening	Oral	18th National power System Conference (NPSC 2014), **IIT Guwahati during December 18th- 20th, 2014**
4	M.Murali, **M.Sailaja Kumari**, **M.Sydulu**	An Overview of Transmission Pricing Methods in a pool based power market	Oral	1st National Power & Energy System Conference, Kamala Nehru Institute of Technology, Sultanpur, UP, 25-26th April 2014
5	M.Murali, **M.Sailaja Kumari**, **M.Sydulu**	Locational Marginal Pricing in single Auction Model of Restrucutred Power system using Bat Algorithm	Oral	National Power System Conference, IIT BHU, Dec,2014
6	**Srinivasan Pradabane**, **B.L. Narasimharaju**, **N.V. Srikanth**	Two-quadrant Clamping Inverter Scheme for Three-level Open-end Winding Induction Motor Drive	Poster	In Proc., IEEE-PEDES '14 Conference, Chennai, India, Dec 2014.
7	**Narasimharaju B.L.**, Venkata Prahlad, U. Ramanjaneya Reddy, Vijaya Babu.K, **P. Srinivasan**	Optimal Dual active bidirectional dc-dc converter for UPS application	Oral	In Proc., IEEE-PEDES '14 Conference, Chennai, India, Dec 2014.
8	**Dr. P. Suresh Babu** Saptarshi Roy	Distance relay performance evaluation on series compensated transmission line protected with metal oxide varistor under faulted conditions	Oral	National Conference on Power System Protection, Central Power Research Institute CPRI, Bangalore 27-28 February 2015
9	**Dr. P. Suresh Babu** N. V. Phanendra Babu **Prof. DVSS Siva Sarma**	Importance of phasor measurements in wide area protection of power system: A review	Oral	National Conference on Power System Protection, Central Power Research Institute CPRI, Bangalore 27-28 February 2015
10	**Dr. P. Suresh Babu** M. Lohith	Synchrophasor based transmission line fault location technique	Oral	National Conference on Power System Protection, Central Power Research Institute CPRI, Bangalore 27-28 Feb.2015
11	**Dr. P. Suresh Babu** Saptarshi Roy	A Novel approach for faulty phase detection of series compensated transmission line	Oral	International conference on information engineering management and security, SCJIT, Jangaon, 16-17 May 2014
12	Chinmaya K A, **Udaya Bhasker M**	Modeling,Simulation & analysis of a five phase voltage source inverter	Oral	May 2nd-3rd national conference on power electronics in ustainable energy development (NCPSE 2014) at amrita vishwa vidyapeetham, coimbatore in India.
13	**Narsimharaju B. L**, Ramanjaneya Reddy U, Vijay Babu K.,	Hysteresis controlled power factor correction boost converter for LED lamp Load	Oral	7th National Conference on **Advances in Energy Conversion Technologies (AECT- 2015)** during January 23 – 24, **2015.**, MIT Manipal INDIA
14	Karthik .K, Ramanjaneya Reddy U, **Narsimharaju B. L**, **Srinivasa Rao S**	Performance Analysis of Single H-Bridge Multi-Level Inverter	Oral	7th National Conference on **Advances in Energy Conversion Technologies (AECT- 2015)** during January 23 – 24, **2015.**, MIT Manipal INDIA

* Name of the Faculty of the Department to be emboldened

MECHANICAL ENGINEERING DEPARTMENT:

A. Publications

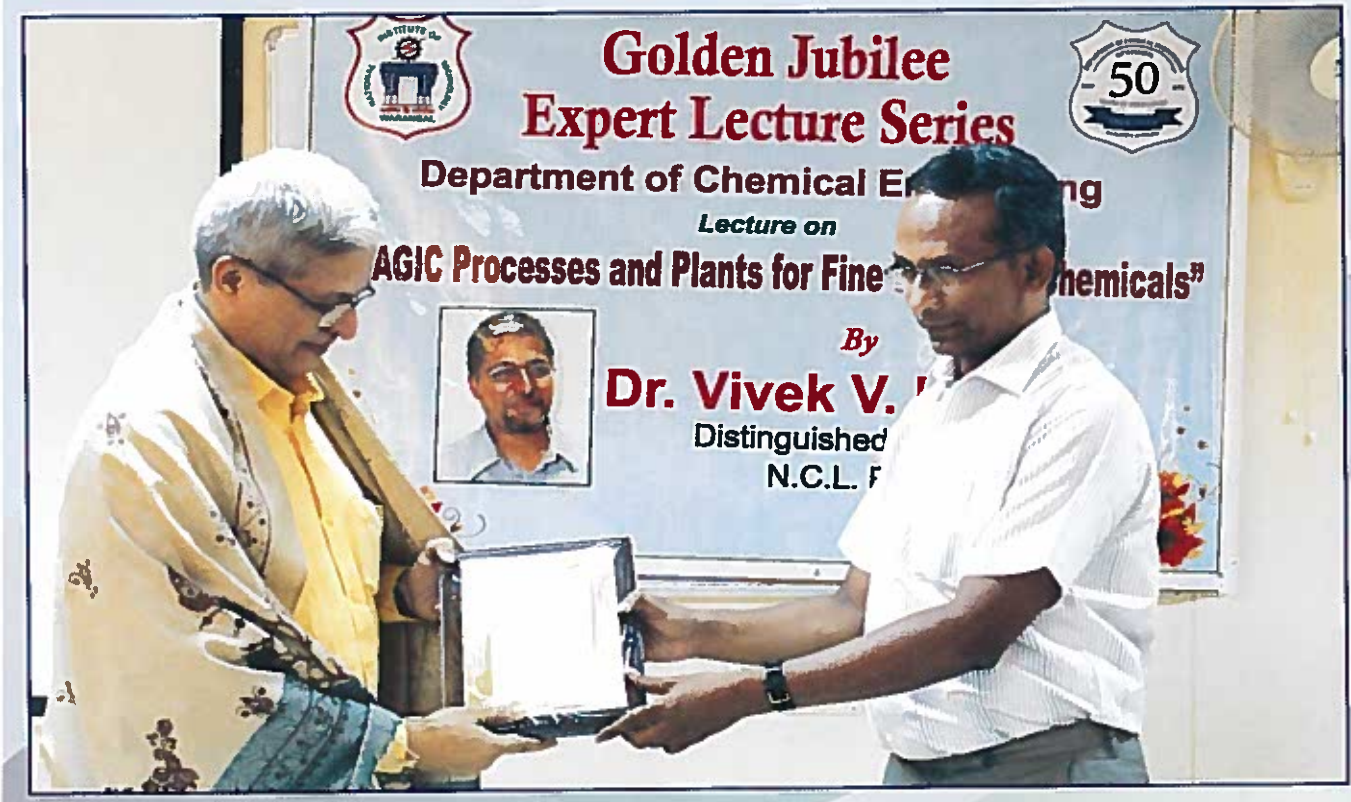
i) Peer – Reviewed International Journal Publications

S. No.	Authors (*)	Title of the Paper	Journal Details (Journal, Year, Vol., pp)
1	**SreenivasaRao M, Venkaiah N,**	Parametric optimization in machining of Nimonic-263 alloy using RSM and particle swarm optimization	Elsevier: Procedia Material Science, 2015, DOI:10.1016/j.mspro.2015.06.027 Vol. 10C, 70-79
2	Bala Raju, A. and **Venkatachalam,R.**	A study on conventional versus independent suspension system of an automobile	Applied Mechanics and Materials, Trans Tech Publications, Switzerland, Vol. 541 – 542, 2014, pp. 827 – 831
3	Desavale, R.G., **Venkatachalam, R.**, and Chavan, S.P.	Experimental and numerical studies on spherical roller bearings using multivariable regression analysis	ASME Journal of Vibration and Acoustics, Vol. 136, 2014, pp. 021022-1-10
4	Anirudh R. Iyer, **Venkatachalam,R.**, and Bala Raju, A.	Analysis of optimum suspension parameters of a semi independently suspended automobile	International Journal of Innovative Research in Science, Engineering and Technology, Vol. 3, 2014, pp. 12047 – 12053
5	Bala Raju, A. and **Venkatachalam,R.**	Effect of damping on comfort level of a fully conventional suspension systems of an automobile	American Journal of Science and Technology, Vol. 1, 2014, pp. 77 – 81
6	**Venkatachalam, R.** and Padma Rao, A.	Steering a better path: two new steering mechanisms developed by NIT Warangal	Mobility Engineering, SAE Publication, Vol. 1, No. 3, 2014, pp. 36
7	Anirudh R. Iyer, **Venkatachalam, R.**, and Bala Raju, A.	Effect of location of center of mass of a semi-independently suspended automobile on natural frequencies	Applied Mechanics and Materials, Trans Tech Publications, Switzerland, Vols. 592 – 594, 2014, pp. 2026 – 2030
8	Ranjit Kumar, Ch. and **Venkatachalam, R.**	An umbrella for an automobile	The International Journal's Research Journal of Science and IT Management, Vol. 3, No. 10, August 2014, pp. 49 – 58. ISSN: 2251-1563
9	Anirudh R. Iyer and **Venkatachalam, R.**	Frequency response of an automobile with semi-independent suspension system	American Journal of Science and Technology, Vol.1, No. 3, 2014, pp. 122–126
10	**Venkatachalam, R.** and Bala Raju, A.	Active vibration control of automobile chassis by optimal hydraulic controller	International Journal of Arts and Sciences, ISSN: 1944-6934, Vol. 7, No. 2, 2014 , pp. 331 – 346
11	**Venkatachalam, R.** and Ranjit Kumar, C.,	Portable shade proposed for cooler interiors	Mobility Engineering, SAE Publication, Vol. 2, No. 2, June 2015, pp. 25
12	**Chandramohan V.P.**	Numerical prediction and analysis of surface transfer coefficientson moist object during heat and mass transfer application	Heat Transfer Engineering, Taylor & Francis, Accepted on Oct, 2014, IF = 0.898
13	**Chandramohan V.P., PrabalTalukdar**	Deformation of potato during convective drying	Applied Mechanics and Materials, 2014, 592-594, 2728-2732, Impact factor: 0.2
14	C. Prathap, **V.P. Chandramohan** and N. Zarzalis	Experimental investigation of reacting jet in cross flow stream of vitiated air at elevated pressures	International Journal of Applied Engineering Research, ISSN 0973-4562, 2014, 9(26), 9124-9128, Impact factor: 0.13
15	**V.P. Chandramohan ,** C. Prathap, K. Kirankumar, PrabalTalukdar	CFD analysis and simultaneous solution of heat and moisture transfer during convective drying of moist object	International Journal of Applied Engineering Research, ISSN 0973-4562, 2015, 10(8), 6152-6157, Impact factor: 0.13

केमिकल इंजीनियरिंग विभाग द्वारा अंतर्राष्ट्रीय सम्मेलन

International Conference by Chemical Engineering Department





चिकित्सा शिविर
Medical Camp





16	Kiran Kumar K, **V.P. Chandramohan,** Md. Abdulla Razzack, Ramesh Babu B, Praveena Devi N.	On the suitability of nanofluid as working fluid in Natural Circulation Loops	International Journal of Applied Engineering Research, ISSN 0973-4562, 2015, 10(8), 6191-6195, Impact factor: 0.13
17	Kishore Kumar K, Krishna Y, and **Bangaru Babu P**	Damping in Beams Using Viscoelastic materials	Institute of Mechanical Engineers Part L : Journal of Material Design and Applications Vol. 229(2) pp117-125
18	Kishore Kumar K, Krishna Y, and **Bangaru Babu P**	Estimation of lossfactors of constrained layer plate using viscoelastic layer	Institute of Mechanical Engineers Part L : Journal of Material Design and Applications DOI:10-1177/1464420714532792
19	MurahariKolli and **Adepu Kumar**	Surfactant and Graphite Powder Assisted Electrical Discharge Machining of Titanium Alloy,	*ProcIMechE part B: Journal of Engineering Manufacture*, 1-17, 2015, DOI: 10.1177/0954405415579019, Impact Factor:0.667, (SCI Indexed)
20	MurahariKolli and **Adepu Kumar**	Optimization of Surfactant mixed EDM parameters on Ti–6Al–4V Alloy using GRA-Taguchi Method	*Journal of Material in Technologie*, DOI: mit.imt.si/Revija/ mit 249-2016, Impact Factor:0.555, (SCI Indexed)
21	MurahariKolli and **Adepu Kumar**	Effect of Dielectric Fluid with Surfactant and Graphite Powder on Electrical Discharge Machining of Ti-6Al-4V	*Journal of Mechanical Science and Technology, Springer*, 1-12, 2015, Impact Factor:0.777, (SCI Indexed)
22	MurahariKolli and **Adepu Kumar**	Effect of Dielectric Fluid with Surfactant and Graphite Powder on Electrical Discharge Machining of Titanium Alloy using Taguchi Method,	*Engineering Science and Technology: an International Journal, Elsevier, 1-10, DOI:* 10.1016/ J.Jestch.2015.03.009. (Scopus Indexed)
23	MurahariKolli and **Adepu Kumar**	Parametric Optimization of Boron Carbide Powder Added Electrical Discharge Machining of Titanium Alloy	*Applied Mechanics and material*, 2014, Vol. 592-594, PP.578- 586(Scopus Indexed)
24	V. S. Gadakh, **A. Kumar**	Friction stir welding window for AA6061-T6 Aluminium alloy	*Proceedings of the Institution of Mechanical Engineers Part B: J. Engineering Manufacture,Sage*,2014; 228(9):1172–1181.Impact Factor:0.661(SCI Indexed Journal)DOI: 10.1177/0954405413510289
25	V. S. Gadakh, **A. Kumar,** G. J. VikhePatil,	Analytical modeling of FSW process using different pin profiles	*The Welding Journal,American Welding Society, US*, 2015, April issue, 115s – 124s. Impact Factor:1.143(SCI Indexed Journal)
26	**A.Veeresh Babu,** Rajnish K. Calay, and P.V.Rao	Conversion Efficiencies of Urea – SCR System for Mahua Methyl Ester Fuelled DI Diesel Engine	Iranica Journal of Energy & Environment', 2014,Volume 5(1), pp 42 – 50; ISSN 2079-2115
27	DheerajKalra, **A.Veeresh Babu,** M.Vijay Kumar	Effects of LPG on the performance and emission characteristics of SI engine - An Overview	International Journal of Engineering Development and Research (IJEDR), 2014
28	Vikash Kumar Dewangan, **G. Naga Srinivasulu** and Ashish Singh	Thermodynamic analysis of natural gas fired combined cycle (NGCC) plant with different degree of supplementary firing of biomass	International Journal of Applied Engineering Research, 2014, Vol.9, (8), pp.967-976,
29	Ashish Singh, **G. Naga Srinivasulu** and Vikash Kumar Dewangan	*Analysis of Steam Cycle in Combined Cycle Power Plant by using Solar and Biomass Energy,*	International Journal of Applied Engineering Research,2014, Vol.9, (5), pp.567-574
30	A.C.Umamaheswar,**V.Vasu, K.VSai Srinadh**	Influence of Cold Rolling and Annealing on the Tensile Properties of Aluminium 7075 Alloy	ELSEVIER PORCEDIA MATERIALS SCIENCE

31	K.Viswanath Allamraju, **K. Srikanth**	Review and scope of scavenging micro energy using piezoelectric materials	International Journal of Advanced Materials Manufacturing & Characterization Vol4 Issue 2 (2014),PP(96-100)
32	**VRK Raju**	Stability of two axially superposed fluids of different viscosities between two rotating cylinders,	Journal of Applied Fluid Mechanics (Accepted)
33	B. S Ben , B. Ben, S.H. Kweon and S. H. Yang	Structural damping of composite materials using combined FE and lamb wave method	Structural Engineering and Mechanics, vol. 51, pp. 1047-1065, 2014
34	**K. Kiran Kumar,** Ramesh Babu Bejjam, Atul Najan	Numerical Investigation of Nanofluid Based Thermosyphon System	International Journal of Mechanical, Aerospace, Industrial and Mechatronics Engineering Vol:8 No:12, 2014, 1963-1968
35	Patnala Sankara Rao, **K Kiran Kumar**	Numerical and Experimental Investigation of Heat Transfer Augmentation in Double Pipe Heat Exchanger with Helical and Twisted Tape Inserts	International Journal of Emerging Technology and Advanced, Engineering. Volume 4, Issue 9, September 2014, 180-192.
36	P Sneha Latha, M Venkateswara Rao, VV Kiran Kumar, **G Raghavendra**, S Ojha	Evaluation of mechanical and tribological properties of bamboo–glass hybrid fiber reinforced polymer composite	Journal of Industrial Textiles, 2015, DOI: 1528083715569376. (SCI), Impact factor 1.349
37	Shakuntala Ojha, **Gujjala Raghavendra,** Samir Kumar Acharya	Mechanical Properties of Natural Carbon Black Reinforced Polymer composites	Journal of Applied Polymer Science, 2015, *132*(1). (SCI), Impact factor 1.6
38	**Gujjala Raghavendra,*,** Shakuntala Ojha, Samir Kumar Acharya, S K Pal	A comparative analysis of woven jute/glass hybrid polymer composite with and without reinforcing of fly ash particles	Polymer Composites, 15 SEP 2014 DOI: 10.1002/pc.23222 (SCI) Impact factor 1.632.
39	Shakuntala Ojha, **Gujjala Raghavendra,** Samir Kumar Acharya	A novel approach to utilize waste carbon as reinforcement in thermoset composite.	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 0954408914547118. (SCI) Impact factor 0.772.
40	Shakuntala Ojha, **Gujjala Raghavendra,** Samir Kumar Acharya	Effect of Filler Loading on Mechanical and Tribological Properties of Wood Apple Shell Reinforced Epoxy Composite	Advances in Materials Science and Engineering (2014), Article ID 538651, 9 pages http://dx.doi.org/10.1155/2014/538651 (SCI) Impact factor 0.744.
41	**Gujjala Raghavendra,*,** Shakuntala Ojha, Samir Kumar Acharya, S K Pal	Fabrication and characterization of nano Fly ash by planetary ball Milling	International Journal of Material Science Innovations, 2014, (2), 59-68.
42	**R.N. Rao**, S.Das, **SLT Devi**	Seizure pressure and sliding velocity diagrams on tribological behavior of Al alloy composites in as-cast and heat-treated conditions	Tribology International, Volume 80, December 2014, Pages 1-6
43	Kiran Kumar Dama, **V Suresh Babu**, R N Rao & Madhava Rao Y	"A Review on Automotive Seat Comfort Design"	International Journal of Engineering Research & Technology, Vol. 4 Issue 4, 2015, pp. 678-683
44	DW Wolla, **MJ Davidson**, AK Khanra	Prediction of ductile fracture initiation for powder metallurgical aluminum-copper preforms using FEM	International Journal of Mechanical and Materials Engineering 10 (1), 1-8
45	BKB Nadikudi, **MJ Davidson,** NR Akasapu, M Govindaraju	Formability analysis of dissimilar tailor welded blanks welded with different tool pin profiles	Transactions of Nonferrous Metals Society of China 25 (6), 1787-1793
46	CH HariKrishna, **MJ Davidson**, CH Nagaraju, BA Kumar	Effect of lubrication on hardness in the ring compression test	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of

47	C HariKrishna, **MJ Davidson**, C Nagaraju	Optimum Process Parameters for Enhanced Uniform Hardness Distribution and Barreling Behavior in Upsetting	Transactions of the Indian Institute of Metals 68 (2), 219-228
48	M Ahasan, **MJ Davidson**	Modelling Aspects of Hot Densification and Deformation Studies on Al-TiB2 Composite Preforms	Materials and Manufacturing Processes
49	DW Wolla, **MJ Davidson**, AK Khanra	Constitutive modeling of powder metallurgy processed Al–4% Cu preforms during compression at elevated temperature	Materials & Design 65, 83-93
50	CH Shashikanth, **MJ Davidson**	Experimental and simulation studies on thixoforming of AA 2017 alloy	Materials at High Temperatures, 1878641314Y. 0000000043
51	CH Krishna, **MJ Davidson**, C Nagaraju	Investigation of work hardening behavior and failure analysis of billets due to biaxial stresses in simple upsetting process	The International Journal of Advanced Manufacturing Technology, 1-14
52	CH Krishna, **MJ Davidson**, C Nagaraju, PR Kumar	Effect of Lubrication in Cold Upsetting Using Experimental and Finite Element Modeling	JOURNAL OF TESTING AND EVALUATION 43 (1), 53-61
53	V vasu, Sandeep, **A Venu Gopal**	Thermal Conductivity and Viscosity of Vegetable Oil–Based Cu, Zn, and Cu–Zn Hybrid Nanofluids,	Journal of Testing and Evaluation, Vol.44, no.3,2016
54	**V Vasu**, A K Gautham,	Human Machine Interface for controlling a robot using image processing,	Procedia Engineering, Vol. 97, pp.291 – 298, 2104
55	Kishore Jawale, **P. S. C. Bose, C. S. P. Rao**	Use of ANN and RSM to model, predict and optimize the performance parameters for turning waspaloy	International journal of advanced engineering research and studies; volume II, March 2015/11-17
56	K. Someswara Rao, **P. S. C. Bose, C. S. P. Rao**	Optimization of machining parameters for cutting temperature on turning of Niobium alloy C-103 by using RSM	International journal of theoretical and applied research in mechanical engineering; vol 4, issu 3, 2015 pp.13-17
57	R. Sindhu, **G. Amba Prasad Rao** and **K. Madhu Murthy**	Thermodynamic modelling of diesel engine processes for predicting engine performance	International Journal of Applied Engineering and Technology ISSN: 2277-212X (Online) An Open Access,Vol. 4 (2) April-June, pp.101-114.
58	T. Karthikeya Sharma **G. Amba Prasad Rao** and **K. Madhu Murthy**	Homogeneous Charge Compression Ignition (HCCI) Engines: A Review	Archives of Computational Methods in Engg. DOI 10.1007/s11831-015-9153-0
59	T. Karthikeya Sharma **G. Amba Prasad Rao** and **K. Madhu Murthy**	Effective reduction of in-cylinder peak pressures in Homogeneous Charge Compression Ignition Engine – A computational study	Alexandria Engineering Journal(Elsevier)-Available online.
60	T. Karthikeya Sharma **G. Amba Prasad Rao** and **K. Madhu Murthy**	Effect of swirl on performance and emissions of CI engine in HCCI mode	Journal of the Brazilian Society of Mechanical Sciences and Engineering ISSN 1678-5878 J Braz. Soc. Mech. Sci. Eng. DOI 10.1007/s40430-014-0247-7
61	Ratnadeep Bhattacharjee, **K. Madhu Murthy, G. Amba Prasad Rao**	Design Optimization of A Riveted Joint Used in Back Plate of A Pendulum Absorber Assembly	Trends in Mechanical Engineering & Technology ISSN: 2231-1793(online), ISSN: 2347-9965(print) Volume 5, Issue 1
62	Raj Kumar Gupta, K.A.Sankeerth, T.Karthikeya Sharma, **G. Amba Prasad Rao** and **K. Madhu Murthy**	Effects of Water-Diesel Emulsion on the Emission Characteristics of Single Cylinder Direct Injection Diesel engine - A Review	Applied Mechanics and Materials-Vols:592-594,pp:1526-1533(2014)-Trans TechPublications(Switzerland)

63	Nilesh Gajarlawar, **G. Amba Prasad Rao , K. Madhu Murthy**	Experimental investigations of effects of cooling/non cooling of egr on two level of compression ratio in a common rail diesel engine	Thermal Science doi: 10.2298/TSCI130804013G
64	Ashok J. Keche, **G. Amba Prasad Rao ,** Rajendrakumar G. Tated	Simulation of biomass gasification in downdraft gasifier for different biomass fuels using ASPEN PLUS	Clean Techn Environ Policy (2015) 17:465–473 DOI 10.1007/s10098-014-0804-x
65	A.R. Babu, **G. Amba Prasad Rao,** and T. Hari Prasad	Direct injection of water mist in an intake manifold spark ignition engine	International Journal of Automotive and Mechanical Engineering (IJAME) ISSN: 2229-8649 (Print); ISSN: 2180-1606 (Online); Volume 11, pp. 2809-2819, January-June 2015
66	R Padmini, **P Vamsi Krishna** and G. Krishna MohanaRao	Performance assessment of micro and nano solid lubricant suspensions in vegetable oils during machining	Proceedings of Institute of Mechanical Engineers, part-B: Journal of Engineering Manufacture, 2014, (Available online before print) (Impact factor:0.954)
67	RR Srikant, VSNV Ramanaand **P Vamsi Krishna**	Development and performance evaluation of self-lubricating drill tools	Proceedings of Institute of Mechanical Engineers, part-J: Journal of Engineering Tribology, 2015,(Available online before print) (Impact factor:0.916)
68	B. Satheesh Kumar, G. Padmanabhan, and **P. Vamsi Krishna**	Performance Evaluation of Vegetable Oil Based Cutting Fluids with Extreme Pressure Additive in Turning of AISI 1040 Steel	Journal of Production Research & Management, Vol.4 (3), (2014), 8-14.
69	B. Satheesh Kumar, G. Padmanabhan,and **P. Vamsi Krishna**	Experimental Investigations of Vegetable Oil Based Cutting Fluids with Extreme Pressure Additive in Machining of AISI 1040 Steel	Manufacturing Science and Technology, Vol.3 (1), (2015), 1-9.
70	T. Karthikeya Sharma, **G. Amba Prasad Rao** and **K. Madhu Murthy**	Prediction of HCCI engine performance with Three Zone Extended Coherent Flame Combustion model	International Journal of Applied Mechanics and Materials" Vols. 592-594 (2014) pp 1738-1745
71	J. John Rozario Jegaraj, CS Raju, K.Ramesh Kumar and **CSP Rao**	Experimental investigations and Development of cutting force model for Self-propelled rotary face milling cutter In machining of titanium alloy	Proc IMechE Part B: J Engineering Manufacture 2014, Vol. 228(9) 1081–1089
72	Arun Tom Mathew and **C. S. P. Rao**	Implementation of genetic algorithm to optimize the Assembly sequence plan based on penalty function	ARPN Journal of Engineering and Applied Sciences, Vol. 9, No. 4, APRIL 2014 pp. 453-456
73	K.L. Narasimhamu, V. Venugopal Reddy, **C.S.P.Rao**	Optimal buffer allocation in tandem closed queuing network with single server using pso	Procedia Materials Science 2014, pp. 2084-2089
74	K.L.Narasimhamu, V.Venugopal Reddy, **C.S.P.Rao**	Optimization of buffer allocation in tandem closed queuing network using symbiotic organisms search	International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10, Number 5 (2015) pp. 12671-12681
75	K. Someswara Rao, **P. Subhash Chandra Bose, C. S. P. Rao**	Optimization of cutting parameters for cutting force on turning of niobium alloy using response surface methodology	International Journal of Innovative Science, Engineering & Technology, Vol. 1 Issue 4, June 2014. Pp.342-351

* **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 (Publisher, year, Vol, Iss., pg no.)
1.	Bala Raju, A. and **Venkatachalam, R.**	Time Response of Automobile Suspension System Using Full Car Model	Journal of Engineering, Science and Management Education, Vol. 7, No. 1, 2014, pp. 48 – 53
2.	K.Viswanath Allamraju, **K. Srikanth**	Design and experimental study of energy scavenging device by considering fatigue failure and durability of ferroelectric material, International conference on fatigue, durability and fracture mechanics	Journal of materials science & surface engineering
3.	K ArunVikram, Ch.Ratnam, K SankaraNarayana, **B Satish Ben**	Assessment of surface roughness and MRR while machining brass with HSS tool and carbide inserts	Indian Journal of Engineering & Materials Sciences, Vol. 22, pp. 321-330, 2015
4.	**N.Selvaraj**	An effective hybrid heuristic to solve multi objective flexible job shop scheduling problems	Academic journal of science Vol; 3(1),2014 pp 61-73
5.	**N.Selvaraj**	Reduced clearance variation in smart matching components by using genetic algorithm	Journal of association of engineers INDIA Vol:84,no:1 and 2 2014

B. Presentations in Conference / Symposia etc.,

i) *International Presentations*

S. No.	Authors (*)	Title of the Paper	Event Details (Event, Place, Dates)
1	**SreenivasaRao M** and **Venkaiah N**	Application of differential evolution algorithm for parametric optimization of WEDM while machining Nimonic-263 alloy	International Conference on Advances in Civil, Structural and Mechanical Engineering, Bangkok, Thailand 2015, 84 – 88.
2	Anirudh R. Iyer, **Venkatachalam, R.**, and Bala Raju, A.	Effect of Location of Center of Mass of a Semi-independently Suspended Automobile on Natural Frequencies	International Mechanical Engineering Congress - 2014, National Institute of Technology, Thiruchurapally, 2014
3	D. Ravichandra, **Ravi Kumar Puli, V.P. Chandramohan,** K.Vijaya Kumar	An experimental study on utilization of esterified deccan hemp oil in Diesel engine	International conference on environment and energy, ICEE-2014, JNTUH Hyderabad, Dec 15-17, 2014.
4	Ashwani Upadhyay, Gautam Kumar Arya, **V.P. Chandramohan**	2D numerical analysis of heat and mass transfer during drying of rectangular brick	5th International and 41th National Conference on Fluid Mechanics and Fluid Power – FMFP 2014, IIT Kanpur, Dec 12-14, 2014.
5	**V. P. Chandramohan** and P. Talukdar.	Estimation of equilibrium moisture content and drying time of moist object during convective drying	5th International and 41th National Conference on Fluid Mechanics and Fluid Power – FMFP 2014, IIT Kanpur, Dec 12-14, 2014.
6	SumitKawale, **Chandramohan V.P.**	CFD simulation of estimating critical velocity corresponding to critical shear stress for cleaning of flat soiled surface,	23rd National and 1st International ISHMT – ASTFE Heat and mass transfer conference, ISRO – LPSC, Trivandrum, Dec 17-18, 2015. (Abstract was accepted on 16th Apr, 2015 and full paper submitted on 24th June, 2015)
7	MurahariKolli, **Adepu Kumar**	Surfactant and Boron Carbide Powder Assisted Electrical Discharge Machining of Titanium Alloy	ICARMMIEM-2014, 6-7 Jan, India

8	M. Krishna Kishore, **Adepu kumar**	Experimental & Simulation studies of Temperature Distribution in Friction Stir Welded AA6061-T651 alloy using Deform-3D	ICTACEM-2014, Dec 29-31, IIT Kharagpur
9	MurahariKolli, **Adepu Kumar**	Effect of Boron Carbide Powder Mixed into Dielectric Fluid on Electrical Discharge Machining of Titanium Alloy	IMCE 2014,June 13-15,NIT Tirchunapalli, India.
10	MurahariKolli, **Adepu Kumar**	Effect of Additives Added in Dielectric Fluid on Electrical Discharge Machining of Titanium Alloy	ICMMM 2014, August 8-9, 2014, IIT Madras, Chennai, India
11	Anudeep. B, **A. Kumar,** P. Naresh	Effect of pin profile geometry on microstructural and mechanical properties of 2014 Al alloy fabricated by friction stir weld	International Conference On Design, Manufacturing and Mechatronics
12	L. Suvarna Raju, **A.Kumar**	"A novel approach for fabrication of Cu-Al2O3 surface composites by Friction Stir Processing"	International Conference on Advances in Manufacturing and Materials Engineering (ICAMME- 2014)
13	L. Suvarna Raju, **A.Kumar**	"The joint properties of pure copper by friction stir welding"	International Conference on Advances Research and Innovations in Mechanical, Material Science, Industrial Engineering & Management (ICARIMMIEM-2014)
14	M. Vijay Kumar, **A.Veeresh Babu,** Dr. P.Ravi Kumar	Experimental investigations on the performance and emission characteristics of Low Heat Rejection Engine using diesel and Mahua Methyl Ester as a fuel	International conference on Environment and Energy, JNTU, Hyderabad, 15th – 17th December, 2014
15	K. Ganesh Babu, **A.Veeresh Babu,** BaisaRaghuveer	Performance investigations of the IDI diesel engine using Sunflower oil Methyl Ester	International conference on Environment and Energy, JNTU, Hyderabad, 15th – 17th December, 2014
16	Ganesh S Warkhade, **A.Veeresh Babu**, Santosh Mane	Experimental analysis of packed bed sensible thermal energy storage with small sized material	Internationalconference on Environment and Energy, JNTU, Hyderabad, 15th – 17th December, 2014
17	KareddulaVijaya Kumar, **Ravi Kumar Puli, A.Veeresh Babu,** J.A.Ranga Babu	Performance and Emission evaluation of Plastic oil blended with diesel fuel in Compression ignition engine	Internationalconference on Environment and Energy, JNTU, Hyderabad, 15th – 17th December, 2014
18	**A.Veeresh Babu,** M.Vijay Kumar, **P.Ravi Kumar,** Katam Ganesh Babu	Investigation on the Performance and Emission Characteristics of Biodiesel (Animal oil) – Ethanol Blends in a Single Cylinder Diesel Engine	International Confernce on Advances in Applied science and Environmental Technology (ASET),BANGKOK, THAILAND, 21-22 February, 2015 (ISBN: 978-1-63248-040-8)
19	**P.Ravi Kumar, A.Veeresh Babu**	Investigation on a Direct Injection Diesel Engine fuelled with blends of Waste Plastic Oil with a three hole fuel injection nozzle	International Confernce on Advances in Applied science and Environmental Technology (ASET),BANGKOK, THAILAND, 21-22 February, 2015 (ISBN: 978-1-63248-040-8)
20	**G.Naga Srinivasulu**, Bale V.Reddy and Vikash Kumar Dewangan	Effect of Degree of supplementary firing on the performance of Natural Gas Combined Cycle (NGCC) Power plant	International Journal of Arts and Science (IJAS 2014), Freiburg, Germany
21	A.C.Umamaheswar,**V.Vasu, K.V.Sai Srinadh**	Influence of Cold Rolling and Annealing on the Tensile Properties of Aluminium 7075 Alloy	International Conference on Advances in Manufacturing and Materials Engineering, AMME 2014

22	A.C.Umamaheswar,**V.Vasu, K.V. Sai Srinadh**	Effect of Laser Surface Melting on Corrosion Behaviour of 7075 Aluminium Alloy	. International Colloquium on Materials, Manufacturing and Metrology, ICMMM 2014August 8-9, 2014, IIT Madras
23	A.C.Umamaheswar,**V.Vasu, K.V.Sai Srinadh**	Improvement of Corrosion Resistance by Laser Surface Melting of 7075 Aluminum Alloy.	5th International & 26th All India Manufacturing Technology, Design and Research Conference
24	K.Viswanath Allamraju, **Srikanth, K.**	Investigation of design parameters and actuator constraints in piezoelectric energy harvesters	4th International Conference on Materials Processing and Characterization
25	K.Viswanath Allamraju, **K. Srikanth**	Analytical and experimental studies of spring comprised piezo electric energy generator	4th International Conference on Materials Processing and Characterization
26	K.Viswanath Allamraju, **Srikanth, K.**	Design and experimental study of novel micro energy scavenging contrivance with benign substance	4th International Conference on Materials Processing and Characterization
27	Prabhakara Rao, G., Vipin Dhyani, Deepak Kumar, **Raju, V.R.K.**, and Rao, S.S.,	Numerical Investigation of the Effect of Compression Ratio on the Performance of Direct Injection Diesel Engine,	Proceedings of the Fifth international and Forty first National Conference on Fluid Mechanics and Fluid Power,IIT Kanpur, India, December 12-14, 2014
28	RoshanSasi, Bhim Singh, and **KanmaniSubbu S**	Optimization of Uniform Magnetic Field using Finite Element Simulation	International Conference RACE 2015, Hindustan University, Chennai, India during February 18th-20th, 2015. (Publisher :IEEE)
29	RoshanSasi, Bhim Singh, and **KanmaniSubbu S**	Current Research Developments in Metal Additive Manufacturing Methods	International conference on Additive Manufacturing & 3D Printing, Chennai, India during February 6th--7th, 2015
30	N.Ch. kaushik, **R.N.Rao**	Optimization of two body abrasive wear of Al-Mg-Si hybrid composites	An International Conference on Advances in Design & Manufacturing 2014, NIT-Tiruchy, Dec'14, page1146
31	N.Ch. kaushik, Manish Kumar, **R.N.Rao**	Parametric optimization of three body abrasive wear of Al 6082 composites	A Sixth International Conference on Theoretical, Applied, Computational and Experimental Mechanics, 2014, IIT-Kharagpur, Dec'14. Page 580-581
32	Kiran Kumar Dama, A. K. Vishwanath, **V Suresh Babu&R N Rao**	A Study: Automotive Sustainable Design for GHG Emission Reduction in the Environment by Down weighting	International Conference on New Frontiers in Chemical, Energy and Environmental Engineering (INCEEE) at NITW, 20-21 March, 2015
33	**P. Subhash Chandra Bose**	Role of MQL and Nano fluids on the machining of Nicrofer C263	5th international and 26th all India manufacturing technology, Design and research conference AIMTDR 2014 , IIT Guwahati
34	**P.ShubhashChandra Bose, C.S.P. Rao**	Grey relational analysis and response surface methodology for modeling, analyzing and optimization of machining parameters for turning 'niobium c-103'	International conference on advances in Civil, Structural and Mechanical Engineering 21st – 22nd February 2015 Bangkok, Thailand
35	T. Karthikeya Sharma **G. Amba Prasad Rao** and **K. Madhu Murthy**	A computational study of HCCI engine with external mixture formation technique	International Mechanical Engineering Congress & Exposition ASME-IMECE2014-November 14-20, 2014 Montreal, Quebec, Canada.
36	T. Karthikeya Sharma **G. Amba Prasad Rao** and **K. Madhu Murthy**	Effect of induction swirl and EGR on the performance and emissions of a HCCI engine	Sixth International Conference on Theoretical, Applied, Computational and Experimental Mechanics ICTACEM -2014

37	T. Karthikeya Sharma **G. Amba Prasad Rao** and **K. Madhu Murthy**	Influence of Piston Bowl Shape on Flow and Combustion Characteristics in HCCI engine-A CFD study	International Conference on New Frontiers in Chemical, Energy and Environmental Engineering (INCEEE-2015) 20-21st March, 2015 NIT Warangal
38	R. Sindhu, **G. Amba Prasad Rao** and **K. Madhu Murthy**	Real-Time Single Zone Model for Simulation of a Diesel Engine in Simulink Environment	IEEE Xplore10.1109/CCAA.2015.7148484
39	**N.Selvaraj, CSP Rao,** Jeevan	The micro structure and mechanical properties of SiCp reinforced aluminum matrix composites.	International conference on advances in design and manufacturing NIT, Trichy December 5-7, 2014
40	**N.Selvaraj,CSP Rao,** Vishnumurthy	Aluminum metal matrix nano composites (Al MMCs) – manufacturing methods – A review	International conference on advances in design and manufacturing NIT, Trichy December 5-7, 2014
41	**N.Selvaraj**, Neelima Devi C, Mahesh.V	Nano red mud synthesis and characterization	5th International conference and 26th All India Manufacturing Technology, Design and Research (AIMTDR) conferenceIIT, Guwahati December 12-14, 2014
42	M. Naresh Kumar, **KanmaniSubbu S, P. Vamsi Krishna**, and **A. VenuGopal**	Vibration Assisted Conventional and Advanced Machining: A Review	12th Global Congress on Manufacturing and Management, GCMM 2014, Dec 8-10, Vellore.
43	Ch Shashikanth, **M. J. Davidson** and **V. Suresh Babu**	Determination of Material Constants and Zener-Hollomon Parameter of AA 2017 Aluminium Alloy under Hot Compression Test	World Academy of Science, Engineering and Technology at London U K, 14 – 15 March, 2015, pp 1039 – 1042.

* **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	B S Ben, G Raghavendra, **Syed Ismail** and S MulayAmrut	Synthesis of the natural resource reinforced metal matrix composite by powder metallurgy route	National Tribologgy Conference (NTC-2014) bangaluru. Dec15 18th 2014
2	**Syed Ismail, G Raghavendra, B S Ben** and M Sarangi	Effects of orientation on the hydrodynamic performance of parallel sliding contact while considering fluid inertia	National Tribologgy Conference (NTC-2014) bangaluru. Dec15-18th 2014
3	Jitendra Ahirwar, **Raghavendra Gujjala**	Study of Environmental Effect on Polymer Matrix Treated and Untreated Rice Husk Composites	National Tribological Conference, bangaluru. Dec15-18th 2014.

* 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	V.V Reddy, **N.V.S.N Sarma***	Compact Circularly Polarized Asymmetrical Fractal Boundary Microstrip Antenna For Wireless Applications	IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS vlo.13 2014
2	**N.S Murthy***. M.Kavicharan	A Survey on FDTD –Based interconnect Modeling.	Journals of Circuits, Systems and Computers. 2014
3	Harinath, G.K. , **Ravi Kumar* J.,T.kishorekumar***	implementation of kalman filter algorithm for cv,ncv target tracking using bistatic range rate measurements	Publication Year: 2014 , Page(s): 1 – 5
4	Ch.Sulakhana, **L.Anjaneyulu***	A Coplanar Waveguide fed Rectangular Reconfigurable Patch Antenna with Switchable Strips for Polarization Diversity	Defence Science Journal.Vol.64 No.1January 2014.pp62-66
5	M.Kavicharan,**NSMurthy***, **NBheema Rao***	FDTD-Based Time Domain Analysis Of CMOS Gate Driven Interconnects	Journal of Electronic Design Technology,Vol.5.Issue.12014
6	**AmaraPrakashRao***, **N.V.S.NSarma***	Adaptive Beam forming Algorithms for Smart Antenna Systems	WSEAS Transactions on Communications.Vol:13.2014
7	**NVSN Sarma***, Mahesh Gopi	Energy Efficient Clustering using Jumper Firefly algorithm in Wireless Sensor Networks	International Journal Of Engineering Trends and Technology (IJETT)-Vol.10.2014
8	**Amara Prakash Rao* ,N.V.S.N Sarma***	Performance Analysis Of Differential Evolution Algorithm Based Beam forming for Smart Antenna Systems	I.J Wireless and Microwave Technologies 20141.1-9
9	**RavikumarJathoth*, T.Kishore Kumar***	GA Based tuning of EKF for target tracking using Range and Range Rate Measurements	"I.J image, Graphics And Signal Processing 20141.1-3.
10	D.G Bhalke,**C.B Rama Rao***, D.S Bormane	Hybridization of Fractional Fourier Transform and Acoustic Features for Musical Instrument Recognition	International Journal of Signal Processing, Image Processing Pattern Recognition.Vol7.No.1,pp-275-282
11	**Muralidhar*,C B Rama Rao*** ,C.Y.N Dwith	Efficient Architecture For Variable Block Size Motion Estimation in H.264/AVC	ACEEE Int J on Signal and Image Processing vol.5No.1.2014
12	D. Nagaraju, C. H. Kireet, N. Pradeep Kumar **and Ravi Kumar Jatoth***	Performance Comparison of Signal Conditioning Circuits For Light Intensity Measurement	Academics Journal of Engineering Sciences, PP. 2007 (1-10), Vol. 01, Issue 02, 2014
13	Siva Prasad Nandyala1 and **T. Kishore Kumar***	Hybrid HMM/DTW based Speech Recognition with Kernel Adaptive Filtering Method	International Journal on Computational Sciences & Applications (IJCSA) Vol.4, No.1, February 2014
14	**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
15	**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.
16	**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,
17	**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

18	**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
19	**Prof. NVSN.Sarma***	Compact Circularly Polarized Asymmetrical Fractal Boundary Microstrip Antenna for Wireless Applications	IEEE Antennas Wireless Propag. Letters, , 2014, Vol 13, Pp118-121
20	**Prof. NVSN.Sarma***	Numerical Analysis of EM scattered field for semi-circular array elements using Artificial Neural Network	IEEE Antenna and Propagation Magazine
21	**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)
22	**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)
23	**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
24	**Amara Prakash Rao*, Prof. NVSN.Sarma***	Performance Analysis of Deferential Evolution Algorithm based Smart Antenna System	Accepted for Publication in journal in IJWMT-MECS
25	**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
26	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
27	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
28	Naveen Malviya, **T.V.K.H Rao***	De-Noising ECG Signals using Adaptive filtering Algorithms	IJTRE-13, Vol.1, Issue:1 , 2013
29	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
30	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
31	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
32	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
33	Prasad Pidugu, **D. Vakula***	Analysis of Element shape in Designing Multiband Antennas	International Journal of Research in Enginering and Technology, eISSN2319-163, pISSN 2321-7308
34	Rama Sanjeeva Reddy, **D. Vakula***	Compact Zig –Zag shaped slit rectangular patch antenna with defective ground structure for wireless applications	IEEE Antennas and Propagation Letters, Vol.14, ISSN. 1536-1225, March 2015 pp. 678-681
35	Rama Sanjeeva Reddy, **D. Vakula***	Tri-Band Dual Circularly Polarized Planar Antenna with Defective Ground Structure for Wireless Applications	International Journal of Microwave and Wireless Technologies, Cambridge University Press, England, ISSN.1759-0787, March 2015, pp.1-8.

*** 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	Oral / Poster	Event Details (Event, Place, Dates)
1	PavanKumar Sarma, **Patri Sri Hari Rao*, Prof. 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 Karaghpur, 2014
2	Sridhar P, **Patri Sri Hari Rao*, Prof.K.S.R.Krishna Prasad***	A Received signal Strength Indicator with 10.7 MHz IF	Oral	International conference on VLSI and Signal processing, IIT Karaghpur, 2014
3	**Prof. NVSN.Sarma***	RIS based Polarized Poly Fractal Boundary Microstrip Antenna	Oral	International Review of Progress in Applied Computational Electromagnetics ACES 2014
4	**Dr. T.Kishore Kumar***	A Novel RLS Based Adaptive Filtering Method for Speech enhancement	Oral	ICCCSP 2015 XIII International Conference on communications, Control and Signal Processing, London,UK Feb 16-19,2015
5	**Dr.Ravi Kumar Jatoth***	Hybrid Genetic Algorithm-Swarm Intelligence Based Tuning of Temperature Controller for Continuously Stirred Tank reactor	Oral	6th International Conference on Modelling,Identification and control, ICMIC 2014, Melbourne,Australia Dec 1-7,2014
6	**Prof. NVSN.Sarma***	Single Feed Circularly Polarized Poly Fractal Antenna for Wireless Application	Oral	XII International Conference on wireless Information Networks and Systems, ICWINS 2014,Dubai, UAE, Nov 21-27,2014
7	**Dr. P.Sri Hari Rao***	Transient enhanced LDO Voltage Regulator with improved feed forward path compensation	Oral	ICECE 2014 XI International Conference on Electronics and Communication Engineering, UAE Oct 17-20,2014
8	**Dr. S. Anuradha***	(i)PAPR reduction of FBMC using sliding window Tone Reservation Active Constellation Extension Technique (ii)Performance of Nakagami Fading Channel over Energy Detection Based Spectrum Sensing	Oral	ICECE 2014 XI International Conference on Electronics and Communication Engineering, UAE Oct 17-20,2014
9	**Sri A.P. Rao***	Linear Array Geometry Synthesis with minimum Sidelobe Level and Null control using Taguchi Method	Oral	XII International Conference on wireless Information Networks and Systems, ICWINS 2014,Dubai,UAE, Nov 24-27,2014
10	**Dr.V.V.Mani***	(i)Beam forming of Ultra wideband signals in an IEEE 802.15.3a channel environment (ii)exact BER analysis of DCM for Multiband OFDM-UWB system over uncorrelated Nakagami-m fading channel	Oral	IEEE International conference on Ultra-wideband, ICUWB 2014. ParisFrance Sept 1-4,2014
11	**Dr .P.Sri Hari Rao***	A transient-enhanced Capacitor-less LDO Regulator with improved Error Amplifier	Oral	IEEE International Conference ISVLSI 2014, Florida,USA July 7-11
12	**Dr. T.Kishore Kumar***	Three Dimensional through-wall Imaging using UWB Radar	Oral	International Congress of Imaging Science, ICIS 2014,Tel Aviv,Israel. May 12-19 ,2014

13	**Dr. B. Lakshmi ***	(i)Lagrange's Polynomial based Farrow filter implementation of SDR,(ii)BER Analysis of CVSD Vocoder for WiMax using GNU Radio	Oral	IEEE Region 10 Technical Symposium, TENSYMP 2014. Malaysia. April 15-17,2014
14	**Sri K. Ravi Kishore***	(i)Key Management technique for WSN's(ii)ECC with Hidden Generator Point in WSN's	Oral	IEEE Region 10 Technical Symposium,TENSYMP 2014. Malaysia. April 15-17,2014
15	**Dr. D. Vakula***	Linear Tapered slot Vivaldi Antenna with Corrugated Edges for UWB Application	Oral	2nd Radio and Antenna Days of the Indian Ocean(RADIO 2014) Mauritius. April 7-10,2014

* **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*, Prof. NVSN.Sarma***	Performance Analysis of Adaptive Beamforming pattern of Smart Antenna Systems using PSO	Oral	Seventh Annual Conference , Antenna Test measurement Society, Kolkata, 2014
2	**Sri. P. Muralidhar***	Symmetrical – cross Multi-Hexagon based exhaustive search for Block Motion estimation and Filtered two – Bit transform for block based motion estimation	Oral	Third international conference on Signal Processin,Communication and Networking. (ICSCN 2015). Chennai, March 25-28,2015
3	**Sri. A. Prakash Rao***	Synthesis of Cosecant Array Factor Pattern Using Taguchi Method for Smart Antenna System	Oral	ATMS-15, Bangalore. Feb 2-5,2015
4	**Sri. K. Sarangam***	Design of basic single stage amplifiers using 30nm FinFET Technology	Oral	RAECE-15, IIT, Roorkee, Feb 12-16,2015
5	**Sri. K. Ravi Kishore***	Implementation of Toeplitz hash base RC – 4 in WSN	Oral	International conference on Signal Processin,Informatics, Communications and Energy System(IEEE-SPICES), NIT,Calicut Feb 17-22,2015
6	**Dr. B. lakshmi***	FPGA Implementation of Vedic Floating Point Multiplier	Oral	International conference on Signal Processin,Informatics, Communications and Energy System(IEEE-SPICES), NIT ,Calicut Feb 17-22,2015
7	**Sri. Ravi Kishore***	A Mathematical Analysis of Elliptical Curve Point Multiplication	Oral	Second International Symposium on Security in Computing and Communications at Noida, New Delhi Sept 24-26,2014
8	**Dr. B. lakshmi***	(i)FPGA Implementation of Energy efficient multiplication over GF(2m) for ECC (ii)Irrigation with Grid Architecture Sensor Network	Oral	3rd International conference o advances n Computing , Communication and Informatics(ICACCI-2014) Noida, New Delhi Sept 24-26,2014
9	**Sri. Ravi Kishore***	FPGA Implementation of 160-bit Vedic Multiplier	Oral	International Conference on "Devices, Circuits & Communications (ICDCCom)", Birla Institute of Technology Mesra, Ranchi,Jharkhand Sept 12-13,2014

10	**Dr. B. lakshmi***	(i)FPGA implementation of IEEE-754 Floating Point Karatsuba multiplier and (ii)High throughput arbitrary sample Rate Converter for Software Radios	Oral	International Conference on Control, Instrumentation and computational Technology(ICCICCT), Kanyakumari,(TN). July 8-11,2014
11	**Sri. K. Ravi Kishore***	An efficient scalar multiplication algorithm for ECC in WSNs	Oral	International Conference on Control, Instrumentation and computational Technology(ICCICCT) , Kanyakumari,(TN). July 8-11,2014
12	**Smt. Prithvi P.***	Hybridized VQ, HMM technique for telugu isolated word recognition	Oral	International Muti Track Conference on sciences,Engg. And Technical Innovations (IMTC-14), CT Institute of Eng.Managenment and Tech., Shahpur, Jalandhar. 02/07/2014
13	**Dr.Rama Rao C.B.***	Security in Multimedia in data communication using elliptical curve cryptography	Oral	International conference on Photonics VLsI and Signal Processing at Kakatiya University, Warangal

* **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	Ch. V. A. Narasayya, P. Rambabu, **M. K. Mohan,** Rahul Mitra and N. Eswara Prasad	Tensile deformation and Fracture Behaviour of an Aerospace Aluminum Alloy AA2219 in different Ageing Conditions	Procedia Materials Science, 2014
2	Suman Shakya, **M. K. Mohan,** Bhanu Pant and M. Nageswara Rao	Environment Assisted Degradation of Beta Titanium Alloy Ti-15V-3Cr-3Al-3Sn	International Journal of ChemTech Research, Vol.7, No. 4, (2014-2015) 1729-1738
3	**M. K. Mohan** and M. Nageswara Rao	Evaluation of Alloy C276 for high Strength Fastener Applications in Marine Environment	International Journal of ChemTech Research, Vol.8, No. 1 (2015) 124-130.
.4	Sravani Pappu, Vamsi Kamal, **M. K. Mohan**	Effect of Heat Treatment on the Electrochemical Corrosion Behaviour of Ti- 5V-3Al-3Cr-3 Sn Alloy in HCl and NaCl Media	International Journal of ChemTech Research, Vol.8, No. 1, (2015) 155-163.
5.	Vidhyasagar Reddy, J.K.Sonber, K.Sairam, T.S.R.Ch.Murthy, Shankar Kumara, **G.V.S.Nageswara Rao**, T.SrinivasaRao, J.K.Chakravartty	Densification and mechanical properties of CrB_2+$MoSi_2$ based novel composites	Ceramics International 41 (2015) 7611-7617
6.	Ravinaik Banoth, Rajdeep Sarkar, Amit Bhattacharjee, T.K. Nandy, **G.V.S. Nageswara Rao**	Effect of boron and carbon addition on microstructure and mechanical properties of metastable beta titanium alloys	Materials and Design 67 (2015) 50-63
7.	Shankar Kumar, K.Sairam, J.K.Sonber, T.S.R.Ch.Murthy, Vidhyasagar Reddy, **G.V.S. Nageswara Rao,** T.SrinivasaRao	Hot-pressing of$MoSi_2$ reinforced B_4C composites	Ceramics International 40 (2014) 16099–16105.
8.	***Ajoy Kumar Pandey*** and Koushik Biswas	*In vitro* cytocompatibility, ageing and wear behaviour of ceria stabilized zirconia bioceramic	*Ceramics International*, 40:2014, 15889-158895

9.	***Ajoy Kumar Pandey*** and Koushik Biswas	Effect of agglomeration and calcination temperature on the mechanical properties of yttria stabilized zirconia (YSZ)	*Ceramics International*, 40:2014, 14111-14117

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

B. Presentations in Conference / Symposia etc.,

i) International Presentations

S. No.	Authors (*)	Title of the Paper	Oral / Poster	Event Details (Event, Place, Dates)
1.	P. Sravani and **M. K. Mohan**	Effect of heat treatment on corrosion behavior of Ti-15-3	Poster	CORSYM-2014, an International Corrosion Symposium held at IIT, Bombay (sponsored by NACE) during 18- 21 February 2014.
2.	P. Sai Gopal and **M. K. Mohan**	Effect of cold rolling on the corrosion behavior of Ti-15V-3Cr-3 Al-3Sn	Poster	CORSYM-2014, an International Corrosion Symposium held at IIT, Bombay (sponsored by NACE) during 18- 21 February 2014.
3.	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	CORSYM-2014, an International Corrosion Symposium held at IIT, Bombay (sponsored by NACE) during 18- 21 February 2014.
4.	Ravinaik Banoth, **G. V. S. Nageswara Rao**, Amit Bhattacharjee, T. K. Nandy	Effect of boron and carbon addition and heat treatment on wear behaviour of Ti-10V-2Fe-3Al	Oral	NMD-ATM 2014, College of Pune, November 12-15, 2014
5.	Vibhuti Roshan, Kamlesh Kumar, S.K.Sharma, **G.V.S.Nageswara Rao**	Effect of bed height on the properties of Hybrid pellet sinter produced from Bailadila slimes	Poster	NMD-ATM 2014, College of Pune, November 12-15, 2014
6.	D. Kiran kumar, V. Sri Harsha Swarna Kumar, S. V. Tejaswi, **G. V. S. Nageswara Rao**	Wear behaviour of titanium alloys used for automobile and structural applications	Oral	NMD-ATM 2014, College of Pune, November 12-15, 2014
7.	K. V. N. S. Srikanth, S. V. Tejaswi, V. Sri harsha, **G.V. S. Nageswara rao**	Effect of boron addition on sliding wear charecteristics of titanium alloys	Poster	NMD-ATM 2014, College of Pune, November 12-15, 2014
8.	T. Sai Vani, K. Bharath krishna, UmmeThahira Khatoon, Ch. Shilpa Chakra, **G. V. S. Nageswara Rao**	Synthesis, characterisation and antimicrobial activity of Cu NPs using oxalic acid as reducing agent for a range of concentrations.	Poster	NMD-ATM 2014, College of Pune, November 12-15, 2014
9.	Anjani Bharath Krishna K, T.Sai Vani, Umme Thahira Khatoon, **G. V. S. Nageswara Rao**	Relative study of Cu NPs synthesized chemically using different reducing agents and their applications	Poster	NMD-ATM 2014, College of Pune, November 12-15, 2014
10.	N. Shivakumar, V.Vasu and **N.Narasaiah**	Synthesis and characterization of nano-sized Al_2O_3 particle reinforced ZA-27 metal matrix composites	Oral	2nd International conference on nanomaterials and technologies (CNT 2014), 17-18 October 2014, Hyderabad, India

11.	Anil Chacko, M.C.Shaji and **Brahma Raju Golla**	The effect of Magnesium on the modifying efficiency of strontium in A356 alloy	Poster	International conference on Advanced Materials and Manufacturing Processes for Strategic Sectors (ICAMPS 2015), 13-15 May 2015, Thiruvanathapuram, Kerala, India.
12.	Mohan Krishna and **G. S. Reddy**	Simulation of Fluidity in Aluminum Alloys, Superalloy CMSX4, and Ductile Cast Iron.	Oral presentation.	5th International & 26th All Insia Manufacturing Technology, Design and Research Conference (AIMTDR 2014); 12-14 Dec 2014, IIT, Guwahati, 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.	P. Rambabu, B. Saha, Ch. V. Narasayya, N. Eswara Prasad and **M. K. Mohan**	Qualification of High Strength Forgings for Fabrication of Critical Sections of Airborne Missile	Oral	18th NASAS, Eighteenth National Seminar on Aerospace Structures, 15-17, Dec. 2014, VNIT, Nagpur
2.	**Brahma Raju Golla** and Bikramjit Basu	Processing and Properties of High Temperature TiB_2-$TiSi_2$ Ceramic Composites	Oral	18th NASAS, Eighteenth National Seminar on Aerospace Structures, 15-17, Dec. 2014, VNIT, Nagpur
3.	P. Sai Gopal, Yedu Krishnan, R. Rishitha, K. Seshu Sai, Divesh, V. Sahith and **G. S. Reddy**	Numerical Simulation of Solidification in Continuous Casting of Steel Blooms	Poster	NMD - Annual Technical Meeting of the IIM, held at Pune, 12-15 November 2014.

* **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.	G. Srinivas, **Y. Pydi Setty**	Heat and mass transfer studies using geldart group D particles	*Heat and mass transfer, 2014, 50, 1535-1542*
2.	K. Narasimhulu, **Y. Pydi Setty**	Optimization studies on biosorpiton of Cr(IV) and Cu(II) from waste water in a packed bed bioreactor	*Desalination and water treatment 2015, 53(8), 2167-2176*
3.	PBN Lakshmi Devi, **Y. Pydi Setty**	Effect of nutrients on biological nitrification	*British biotechnology journal, 2014, 4(12), 1283-1290*
4.	PBN Lakshmi Devi, **Y. Pydi Setty**	Biological nitrification of waste water	*Applied biology and pharmaceutical technology, 2014, 5(4), 120-129*
5.	G. Srinivas, **Y. Pydi Setty**	A study of CFD modeling on variation of solid fraction in a batch fluidized bed	*Particulate science and technology (accepted)*
6.	**Sarath Babu A**, Babasaheb Londhe	Dynamics of ethyl benzene synthesis using Aspen dynamics	*International journal of scientific engineering and technologies, July,2014, issue No. 7, pp. 946-950*
7.	Kumar Bhaspaka, **A. Venu Vinod**	Pressure drop and gas holdup studies in a spout fluid bed	*Particulate science and technology, January 2015, 33 (1), 91-96*

8.	Prasad Gurav, **S. Srinu Naik**, Komel Ansari, **K. Anand Kishore**, **Y. Pydi Setty**, **Shirish Sonwane**	Stable colloidal copper nanoparticles for a nanofluid: production and application	*Colloids and surfaces A: Physicochem. Eng. Aspects, 2014, 441, 589-597*
9.	B.A. Bhanvase, M.R. Sarode, L A. Putterwar, Abdullah K.A., M.P. Deosarkarc, **S.H. Sonawane**	Intensification of convective heat transfer in water/ethylene glycol based nanofluids containing TiO_2 nanoparticles	*Chemical engineering and processing, 2014, 82, 122-131*
10.	B.A. Bhanvase, M.A. Patel, **S.H. Sonawane**	Kinetic properties of layer-by-layer assembled cerium zinc molybdate nanocontainers during corrosion inhibition	*Corrosion science, 2014, 88, 170-177*
11.	Bhanvase. B, **S.H. Sonawane**	Kinetic studies of semibatch emulsion copolymerization of methyl methacrylate and styrene in the presence of high intensity ultrasound and initiator	*Chemical engineering processing and process intensification, November 2014, 85, 168-177*
12.	Sameer Kapole, **Shirish Sonawane**	Investigation of corrosion inhibition performance of 2K epoxy-polyamide coating containing ultrasonically prepared sodium zinc molybdate nanoparticles	*Composite and interfaces, Accepted*
13.	Bharat Bhanvase, **Shirish Sonawane**	Ultrasound assisted in-situ emulsion polymerization for polymer nanocomposite: a review	*Chemical engineering processing and process intensification, 2014, 85, 86-107*
14.	A.J. Jadhav, S.E. Karekar, D.V. Pinjari, Y.G. Datar, B.A. Bhanvase, **S.H. Sonawane**, A.B Pandit	Development of smart nanocontainers with a zinc phosphate core and a pH responsive shell for controlled release of immidazole	*Journal of naocontainer, Accepted*
15.	B.A. Bhanvase, N.S. Darda, N.C. Veerkar, A.S. Shende, S.R. Satpute, **S.H. Sonawane**	Ultrasound assisted synthesis of PANI/$ZnMoO_4$ nanocomposite for simulataneous improvement in anticorrosion physico-chemical properties and its application in gas sensing	*Ultrasonics sonochemistry, 2015, 24, 87-97*
16.	Sammit Karekar, Bharat Bhanvase, Dipak Pinjari, **Shirish Sonawane**, Aniruddha Pandit	Synthesis of zinc molybdate and zinc phosphomolybdate nanopigments by an ultrasound assisted route: advantage over conventional method	*Chemical engineering and processing: process intensification, January 2015, 87, 51-59*
17.	S.R. Srisath, **S.H. Sonawane**, D.R. Saini, A.B. Pandit	Continuous precipitation of calcium carbonate using sonochemical reactor	*Ultrasonics sonochemistry, in press, corrected proof, December 2014*
18.	Sumanth Appalakuttia, Bharat A. Bhanvase, Vikas Mittal, **Shirish Sonawane**	Process intensification of copper chromite ($CuCr_2O_4$) nanoparitcle production using continuous flow microreactor	*Chemical engineering & processing: process intensification, 2015, 89, 28-34*
19.	G. Srinivas, **Sunil Kumar Thamida**, **Y. Pydi Setty**	Simulation and validation of a model for a batch wall heated fluidized bed dryer	*Powder technology, 2015, 270, 368-377*
20.	Dorca Polamuri, **Sunil Kumar Thamida**	Experimental determination of effective thermal conductivity of granular material by using a cylindrical heat exchanger	*International journal of heat and mass transfer, 2015, 81, 767-773*

21.	Ritesh Ramesh Palkar,**Vidyasagar,S**	Development of a model for the prediction of hydrodynamics of a liquid-solid circulating fluidized beds: a full factorial design approach	*Powder technology, Vol.280, Pg:103-112, 2015*
22.	**Vidyasagar, S** Nesrin Ozalp	Thermogravimetric analysis of carbon based catalysts on methane decomposition	*Chemical engineering transactions, 2014, 39, 733-738*
23.	**R.C.Sastry** et al.,	Pressure drop studies of Newtonian fluids in corrugated plate heat exchangers	*International journal of mechanical engineering and applications, Science Publications Group (US)May 2014*
24	**R.C.Sastry** et al.	Experimental studies of heat transfer in water in corrugated plate heat exchangers	*International Journal of scientific engineering and technology, June 2014*
25.	**R.C.Sastry** et al.	Kinetic study of solid waste pyrolisis using distributed activation energy model	*Journal of engineering and technology innovation, Taiwan, June 2014.*
26	Mallaiah M & **Venkat Reddy G**	Kinetics of esterification of methanol with acetic acid using mineral homogeneous acid catalyst	*Chinese Journal of chemical engineering v23, 100-105*
27	Mallaiah M & **Venkat Reddy G**	Comparative kinetics of esterification of methanol and acetic acid in presence of liquid and solid catalysts	*Asia Pacific journal of chemical engineering, v9, 791-799*
28	Mallaiah M & **Venkat Reddy G**	Kinetics of esterification of methanol and acetic acid in presence of Indion 180 solid catalysts	*Kinetics and Catalysis (Accepted)*
29	Mallaiah M & **Venkat Reddy G**	Kinetics of esterification of methanol and acetic acid in presence of Amberlyst solid catalysts	*Progress in reaction kinetics and mechanism (Accepted)*

* **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.	PBN Lakshmi Devi, **Y. Pydi Setty***	Study on biological nitrification in liquid-solid systems	Oral	International conference on effects, emissions and effluents on environment (EEEE 2014), Andhra University, Visakhapatnam. June 30 – July 1, 2014
2.	G. Srinivas, **Y. Pydi Setty***	Heat and mass transfer studies in a wall heated bubbling and spout fluidized beds	Oral	International conference on new frontiers in chemical, energy and environmental engineering (INCEEE 2015), National Institute of Technology, Warangal. March, 20-21, 2015.
3.	**Sarath Babu, A*, Ramsagar Vooradi***	Design of control structure for binary distillation column	Oral	International conference on chemical, civil and environmental engineering (ICCCEE 2015), London, UK
4.	B. Sujan Kumar, **A. Venu Vinod**	Gas holdup studies in a spout fluid bed	Oral	International conference on new frontiers in chemical, energy and environmental engineering (INCEEE 2015), National Institute of Technology, Warangal. March 20-21, 2015.
5.	T. Srinivas, **A. Venu Vinod**	Performance analysis of a helical coil heat exchanger using CuO/water nanofluid	Oral	International conference on new frontiers in chemical, energy and environmental engineering (INCEEE 2015), National Institute of Technology, Warangal. March 20-21, 2015.
6.	T. Srinivas, **A. Venu Vinod**	Heat transfer studies in a agitated shell & helical coil heat exchanger using CuO/water nanofluid	Oral	3rd international conference Naocon 014 – smart materials, composites, application and new inventions, Bharati vidyapeeth university, Pune, 14-15 October, 2014

7.	**K. Anand Kishore, G. Venkat Reddy**	Screening of variables for the biosynthesis of citric acid	Oral	International conference on new frontiers in chemical, energy and environmental engineering (INCEEE 2015), National Institute of Technology, Warangal. 20-21 March, 2015.
8.	A.V. Ramanjaneyulu Kalva, **K. Anand Kishore**	Simulation of hydrogen rich fuel gas production by gasification of wet biomass using a CO_2 sorbent	Oral	International conference on new frontiers in chemical, energy and environmental engineering (INCEEE 2015), National Institute of Technology, Warangal. 20-21 March, 2015.
9.	**K. Anand Kishore, G. Venkat Reddy**	Applications of TiO_2 assisted cellulose acetate membrane for waste water treatment	Oral	International conference on new frontiers in chemical, energy and environmental engineering (INCEEE 2015), National Institute of Technology, Warangal. 20-21 March, 2015.
10.	**K. Anand Kishore, G. Venkat Reddy**	Optimization of parameters in citric acid bioprocess using statistical and experimental techniques	Oral	International conference on new frontiers in chemical, energy and environmental engineering (INCEEE 2015), National Institute of Technology, Warangal. 20-21 March, 2015.
11.	**K. Anand Kishore**, T. Kamala	An experimental study on dye water treatment using nanoporous membrane processs	Oral	International conference on chemical, civil and environmental engineering (ICCCEE 2015), 23-24 March, 2015, London, UK
12.	Shekhar Giakawad, **S. Srinath**	Study of biodiesel synthesis in corning® advanced flow™ reactor	Oral	International conference on new frontiers in chemical, energy and environmental engineering (INCEEE 2015), National Institute of Technology, Warangal. 20-21 March, 2015.
13.	Shekhar Giakawad, **S. Srinath**	Continuous production of biodiesel form waste cooking oil in corning® advanced flow™ reactor	Oral	IIENG ORG-2015, London, UK
15.	J.V. Jayarama Krishna, **Sunil K. Thamida**	Dynamic simulation of interface shapes during chemical vapor deposition	Poster	COMSOL conference, Bangalore, 2014
16.	A. Venkateswarlu, **Sunil K. Thamida**	Flow past an air bubble in micro channel	Poster	Microfluidics and lab on-a-chip, Mumbai, 22-23 January, 2015
17.	Shaik Liyakhath Ahmed, **Sunil K. Thamida**	Dynamics of corrosion of steel in sodium chloride solution	Oral	International conference on new frontiers in chemical, energy and environmental engineering (INCEEE 2015), National Institute of Technology, Warangal. 20-21 March, 2015.
18.	Yerrayya. A, **P.V. Suresh.**	Energy analysis of chemical looping combustion (CLC) in 50 MW syngas fuelled power plant	Oral	International conference on new frontiers in chemical, energy and environmental engineering (INCEEE 2015), National Institute of Technology, Warangal. 20-21 March, 2015.
19.	Dhanya George, **P. V. Suresh**	Combined system of ethanol reforming process with PEMFC for low temperature and high temperature process	Oral	International conference on new frontiers in chemical, energy and environmental engineering (INCEEE 2015), National Institute of Technology, Warangal. 20-21 March, 2015.
20.	A. Yerrayya, **P. V. Suresh**	Energy analysis for boiler system in syngas and natural gas fuelled power plants	Oral	International conference on new frontiers in chemical, energy and environmental engineering (INCEEE 2015), National Institute of Technology, Warangal. 20-21 March, 2015.
21.	Divya Priya A, **P. V. Suresh**	Review on catalysts for high temperature PEM fuel cell	Oral	International conference on new frontiers in chemical, energy and environmental engineering (INCEEE 2015), National Institute of Technology, Warangal. 20-21 March, 2015.

भाभा परमाणु अनुसंधान केंद्र, मुंबई द्वारा सेमिनार और प्रदर्शनी

Seminar and Exhibition by BARC, Mumbai





22.	Dhanya George, **P. V. Suresh**	Integration of steam-ethanol reformer with high temperature polymer electrolyte membrane fuel cell	Oral	International conference on chemical, civil and enivironmental engineering (ICCCEE 2015), London, UK, March 23-24, 2015.
23.	Amol Rayker, **G. Uday Bhaskar Babu**	Energy saving potential of vapor recompression system on ternary wide boiling batch distillation	Oral	International conference on new frontiers in chemical, energy and environmental engineering (INCEEE 2015), National Institute of Technology, Warangal. 20-21 March, 2015.
24.	Samudral Sridevi, **Murali M Seepana**	Unit cell modeling and simulation of all vanadium redox flow battery	Oral	International conference on new frontiers in chemical, energy and environmental engineering (INCEEE 2015), National Institute of Technology, Warangal. 20-21 March, 2015.
25.	Ritesh Ramesh Palkar, **Vidyasagar,S**	Statistical evaluation of hydrodynamics of liquid-solid circulating fluidized bed reactor: a techno economic approach	Oral	International conference on environment and energy, 15-17 December, 2014, Hyderabad.
26.	Abhijit Baburao Patil, **Vidyasagar, S**	Co-gasification of coal-pet coke and plastic waste	Oral	International conference on environment and energy, 15-17 December, 2014, Hyderabad.
27.	**Vidyasagar, S** Nesrin Ozlap	Thermogravimetric analysis of carbon based catalysts on methane decomposition	Oral	CHISA 2014 Prague & 17th conference on process integration, modeling and optimization for energy saving and pollution reduction PRES 2014, Czec Republic, 23-27 August, 2014.
28	**R.C. Sastry** et al.,	CFD studies of heat transfer in wavy corrugated plate heat exchangers	Oral	International conference on new frontiers in chemical, energy and environmental engineering (INCEEE 2015), National Institute of Technology, Warangal. 20-21 March, 2015.
29	**R.C. Sastry** et al.,	Effect of temperature on solid waste pyrolisis process in a tubular fixed bed reactor	Oral	International conference on new frontiers in chemical, energy and environmental engineering (INCEEE 2015), National Institute of Technology, Warangal. 20-21 March, 2015.
30	**R.C. Sastry** et al.,	Experimental studies on thermal conductivity of Al2O3/water nanofluid at low volume concentrations	Oral	International conference on new frontiers in chemical, energy and environmental engineering (INCEEE 2015), National Institute of Technology, Warangal. 20-21 March, 2015.
31	Mallaiah M & **G Venkat Reddy**	Modeling and simulation of reactive distillation column	Oral	International conference on new frontiers in chemical, energy and environmental engineering (INCEEE 2015), National Institute of Technology, Warangal. 20-21 March, 2015.
32	Mallaiah M , S.Srinath & **G Venkat Reddy**	Optimization studies on the reactive distillation column	Oral	International conference on new frontiers in chemical, energy and environmental engineering (INCEEE 2015), National Institute of Technology, Warangal. 20-21 March, 2015.

* 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, **T. Sunil Kumar***, **Y. Pydi Setty***.	Simulation of continuous wall heated fluidized bed dryer	Oral	CHEMCON 2014, 27-30 Dec., 2014, Panjab University, Chandigarh, India.
2.	Preethi Mirajdar, G. Srinivas, **Y. Pydi Setty***	Hydrodynamic study of a gas solid batch fluidized bed using paddy	Oral	CHEMCON 2014, 27-30 December, 2014, Panjab University, Chandigarh, India.
3.	Meenakshi, Rahul Kunnath, **A. Venu Vinod***, Amol Raykar	CFD simulation for heat transfer in double pipe helical heat exchanger using nano fluid	Oral	CHEMCON 2014, 27-30 December, 2014, Panjab University, Chandigarh, India.
4.	B. Sujan Kumar, **A. Venu Vinod***	Pressure drop studied in a spout fluid bed	Oral	CHEMCON 2014, 27-30 December, 2014, Panjab University, Chandigarh, India.
5.	T. Srinivas, **A. Venu Vinod***	Forced convection heat transfer enhancement in helical coil heat exchanger using CuO/water nanofluid	Oral	CHEMCON 2014, 27-30 December, 2014, Panjab University, Chandigarh, India.
6.	Shekhar Gaikwad, **S. Srinath**	Study of unstable product synthesis in corning® AFR™ reactor	Oral	CHEMCON 2014, 27-30 December, 2014, Panjab University, Chandigarh, India.
7.	PriteeMankar, Shailesh Ghodke, **S.H. Sonawane***	Adsorption of anoionic dye onto TBAC-Modified halloysite nanotubes	Oral	National conference on recent trends in chemical engineering and technology (REACT 2015) 27-28 February, 2015, LIT Nagpur
8.	K. Ansari, **S.H. Sonawane***, B.A. Bhanvase, M.L. Bari, K. Ramisetty, L. Shaikh, Y. Pydi Setty*, M. Ashok Kumar	Production of zinc sulphide nanoparticles using continuous flow microreactor	Oral	Recent trends in chemical engineering and technology, Laxminarayan institute of technology, Nagpur, 27-28, February 2015
9.	R.S. Chandekar, K. Pushparaj, G.K. Pillai, M. Zhou, **S.H. Sonawane***, M.P. Deosarkar, B.A. Bhanvase, M. Ashok Kumar	Ultrasound assisted synthesis of hydrogels and the associated effects of water/dye intake	Oral	Recent trends in chemical engineering and technology, Laxminarayan institute of technology, Nagpur, 27-28, February 2015
10.	S.E. Karekar, A.J. Jadhav, C.R. Holkar, N.L. Jadhav, D.V. Pinjari, A.B. Pandit, B.A. Bhanvase, **S.H. Sonawane***	Ultrasonically created rectangular shaped zinc phosphate nanopigment: synthesis, characterization and its anticorrosive performance	Oral	Recent trends in chemical engineering and technology, Laxminarayan institute of technology, Nagpur, 27-28, February 2015
11.	Sridevi Samudrala, **Murali M Seepana***	Modeling and simulation of vanadium redox flow battery	Oral	CHEMCON 2014, 27-30 December, 2014, Panjab University, Chandigarh, India.
12.	Ritesh Ramesh Palkar, **Vidyasagar Shilapuram***	Modeling of a liquid-solid circulating fluidized bed using statistical design approach	Oral	CHEMCON 2014, 27-30 December, 2014, Panjab University, Chandigarh, India.
13	**R.C.Sastry** et al	CFD simulation studies in wavy corrugated channels in plate heat exchangers	Oral	CHEMCON 2014, 27-30 December, 2014, Panjab University, Chandigarh, India.

14	**R.C.Sastry** et al.	Experimental studies on corrugated plate heat exchanger	Oral	CHEMCON 2014, 27-30 December, 2014, Panjab University, Chandigarh, India.
15	Mallaiah M & **Venkat Reddy G**	Modeling and simulation of reactive distillation column	Oral	CHEMCON 2014, 27-30 December, 2014, Panjab University, Chandigarh, India

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

COMPUTER SCIENCE AND ENGINEERING DEPARTMENT:

A. Publications

i) Peer – Reviewed International Journal Publications : NIL

ii) Peer – Reviewed National Journal Publications : NIL

B. Presentations in Conference / Symposia etc.,

i) National Presentations

S. No.	Authors (*)	Title of the Paper	Oral / Poster	Event Details (Event, Place, Dates)
1	**P. Venkata Subba Reddy**	Radio Number of 1, 2 - Cartesian Product of Paths	Oral	23rd International Conference of Forum for Interdisciplinary Mathematics (FIM - IMSCT 2014), December 18-20, 2014, NIT Surathkal, India
2	**P. Venkata Subba Reddy**	Conditional Coloring of Middle Graph of Wheel Graph	Oral	80th Annual Conference of the Indian Mathematical Society (IMS), December 27-30, 2014, ISM Dhanbad, India
3	**Rashmi Ranjan Rout**	Detection of Node-Misbehavior using Overhearing and Autonomous Agents in Wireless Ad-hoc Networks	Oral	2nd International Conference (IEEE Sponsored) on "Applications and Innovations in Mobile Computing (AIMoC 2015), Jadavpur University, Kolkata, India (to be held form 12th Feb to 14th Feb. 2015)
4	**Rashmi Ranjan Rout**	Energy Efficient Relaying using Network Coding for Inter-Cluster Communication in Sensor Networks	Oral	9th IEEE International Conference on Industrial and Information Systems (IEEE ICIIS2014), Indian Institute of Information Technology and Management and Management, Gwalior, India
5	**Rashmi Ranjan Rout**	Trust-based Decentralized Service Discovery in Structured Peer-to-Peer Networks	Oral	11th IEEE India Conference INDICON 2014 , Pune, India
6	**Rashmi Ranjan Rout**	An Adaptive Caching Technique using Learning Automata in Disruption Tolerant Networks	Oral	8th International Conference on Next Generation Mobile Apps,Services and Technologies (NGMAST), OXFORD, UK, 2014 [IEEE Technically co-sponsored Conference]

* Name of the Faculty of the Department to be emboldened

S. No.	Authors (*)	Title of the Paper	Oral / Poster	Event Details (Event, Place, Dates)
1	**K V Kadambari**	A new method of assessing the students performance using video assignments	Oral	IEEE EDUCON 2015, Tallinn, Estonia, 18-20 March 2015.
2	Ambuj K Gautam, V Vasu, **U.S.N. Raju**	Human Machine Interface for controlling a robot using image processing	Oral	12th Global Congress on Manufacturing and Management, GCMM 2014, pp. 291-298, 2014.
3	**U.S.N. Raju,** Shibin George, Irlanki Sandeep and Kothuri Sai Kiran	Weighted Finite Automata based on Local Patterns for Image Authentication	Oral	Ninth IEEE International Conference on Semantic Computing (IEEE ICSC2015), Anaheim, California, USA, 7 – 9 February, 2015.
4	**U.S.N. Raju,** Kamalakanta Sethi, Sunaina Choudhary and Priyanka Jain	A New Hybrid Watermarking Technique using DCT and DWT based on Scaling Factor	Oral	1st IEEE International Conference on Futuristic Trends in Computational Analysis and Knowledge Management, Greater Noida, 25-27 February, 2015
5	**U.S.N. Raju,** Kothuri Sai Kiran, Meena G Kamal, Vinay Nikhil Pabba, Suresh Kanaparthi	Distributed Processing for Content Based Lecture Video Retrieval on Hadoop Framework	Oral	XIII International Conference on Computer Vision and Image Processing, London, UK, 14-15 March 2015.
6	**U.S.N. Raju, K.V. Kadambari, P. Venkata Subba Reddy**	A New Method of Assessing the Students using Video Assignments	Oral	Sixth IEEE Global Engineering Education Conference(IEEE EDUCON 2015), Tallinn University of Technology, Tallinn, Estonia, 18–20 March 2015.
7	**U.S.N.Raju**	United Kingdom	Oral	Paper Presentation at 'XIII International Conference on Computer Vision and Image Processing'12-17 March, 2015

* 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	**Narasimhulu Korrapati** and Harikrishna Y. Nanganuru	A Comprehensive Review on Perfusion Method Development for Bone Marrow Collection and Stem Cell Transplantation.	Current Stem Cell Research & Therapy, 2014; 9(6):522-525.
2	Bhaskar B, Mekala NK, **Sreenivasa Rao Parcha,** Baadhe Rama Raju.	Role of Signaling Pathways in Mesenchymal Stem Cell Differentiation	Current Stem Cell Research & Therapy 2014; 9(6):508-12.
3	R Potumarthi, **Rama Raju Baadhe,** A Pisipati, A Jetty	Reducing Sugars Production from Corncobs: A Comparative Study of Chemical and Biotechnological Methods	Applied biochemistry and biotechnology 2014;174 (6):2162-2170
4	**Rama Raju Baadhe,** N Kumar Mekala, R Potumarthi	Significance of Biotic Factors in Mesenchymal Stem Cell Fate in Regenerative Medicine	Current stem cell research & therapy,2014; 9 (6): 489-496
5	**Rama Raju Baadhe,** R Potumarthi, NK Mekala	Influence of dilute acid and alkali pretreatment on reducing sugar production from corncobs by crude enzymatic method: A comparative study	Bioresource technology, 2014; 162, 213-217

6	**Rama Raju Baadhe,** NK Mekala, SR Parcha, YP Devi	Optimization of amorphadiene production in engineered yeast by response surface methodology	3 Biotech, 2014; 4 (3): 317-324
7	NK Mekala, **Rama Raju Baadhe** R Potumarthi	Mass transfer aspects of 3D cell cultures in tissue engineering	Asia-Pacific Journal of Chemical Engineering, 2014; 9 (3): 318-329

* Name of the Faculty of the Department to be emboldened

ii) Books/Book chapters/Monographs

S. No.	Authors (*)	Title of the Book Chapter	Book/chapter details (Book, Publisher, Year, Vol., pp)
1	**Rama Raju Baadhe,** R Potumarthi, NK Mekala, VK Gupta	New trends in microbial production of natural complex bioactive isoprenoids	Biotechnology of Bioactive Compounds: Sources and Applications, **John Wiley & Sons**, 2015; 269-282.
2	NK Mekala, **Rama Raju Baadhe,** R Potumarthi	Bioactive compounds as growth factors and 3D matrix materials in stem cell research	Biotechnology of Bioactive Compounds: Sources and Applications, **John Wiley & Sons**, 2015; 555-563
3	NK Mekala, R Potumarthi, **Rama Raju Baadhe,** VK Gupta	Current bioenergy researches: strengths and future challenges	Bioenergy research: advances and applications, **Elsevier**, 2014; 1-21.
4	**Rama Raju Baadhe,** Ravichandra Potumarthi, Vijai Gupta	Lipase-catalyzed biodiesel production: Technical challenges	Bioenergy research: advances and applications, **Elsevier**, 2014; 119-129.
5	Rama Raju Baadhe, Naveen Kumar Mekala, Sreenivasa Rao Parcha	Principles of Systems and Synthetic Biology	Biotechnology Vol 4: Applied Synthetic biology, **Studium press, LLC, USA,** 2014; 11-42.
6	Anjireddy bhavanam **Rama Raju Baadhe** R.C.Sastry	Process Engineering Principles and Technological Aspects of Synthesis Gas Production from Biomass	Biotechnology Vol 12: Bioprocess engineering, **Studium press, LLC, USA,** 2014; 13-33.

* 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	Manasa.P, **Narasimhulu. K,** Harikrishna Yadav N	Compositional Analysis of Lignocellulosic Biomass: Sunnhemp as an alternative crop in Bioethanol production"	Oral	International conference on New Frontiers in Chemical, Energy and Environment Engineering" (INCEEE-2015), March 20th -21st NIT Warangal, pp.267-268.
2	Harikrishna Yadav Nanganuru and **Narasimhulu Korrapati**	Removal of Lead(Pb) by Dead Bacterial Cells	Oral	International conference on New Frontiers in Chemical, Energy and Environment Engineering" (INCEEE-2015), March 20th -21st , NIT Warangal, pp.279-280
3	Manasa.P, **Narasimhulu. K,** Harikrishna Yadav N	A Comprehensive Review on Key Technologies for the production of Bioethanol from lignocellulosic biomass	Oral	International conference on Environment and Energy"(ICEE-2014), December 15th -17th , JNT University, Hyderabad, pp.88.
4	N.Harikrishna Yadav, **K.Narasimhulu,** P.Manasa	A Comprehensive Review on Biosorption of Heavy Metals from Waste Water	Oral	International conference on Environment and Energy"(ICEE-2014), December 15th -17th , JNT University, Hyderabad, pp.171

* 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** and B. Shireesha	Effect of slip condition on couplestress fluid flow in a channel with mild stenosis in the presence of uniform magnetic field",	Applications and Applied Mathematics, vol. 9(1), pp. 54 – 67, 2014.
2	Gurju Awgichew and **G. Radhakrishnamacharya**	Effect of slip condition on micropolar fluid flow in a stenosed channel",	Journal of Engineering and Applied Sciences (Medwell Journals), vol. 9(6), pp. 198 – 204, 2014.
3	G. C. Sankad and **G. Radhakrishnamacharya**	Influence of Wall Properties on Peristaltic Transport of a Micropolar Fluid in an Inclined Channel	Journal of new results in science, vol. 6, 62 – 75, 2014.
4	Santhosh Nallapu and **G. Radhakrishnamacharya**	Jeffrey Fluid Flow through Porous Medium in the Presence of Magnetic Field in Narrow Tubes	International Journal of Engineering Mathematics, vol. 2014, Article ID 713831, 8 pages, 2014.
5	G. Ravi Kiran and **G. Radhakrishnamacharya**	Effects of Homogeneous and Heterogeneous Chemical Reactions on Peristaltic flow of a Micropolar Fluid through a Porous Medium with Wall Effects in the presence of Slip	Proceedings of 5th International Conference on Mathematics and its Applications (ICMA' 15), pp. 148 - 153, 16 - 17 March 2015, Abudhabi (UAE).
6	G. Ravi Kiran and **G. Radhakrishnamacharya**	Effect of Homogeneous and Heterogeneous Chemical Reactions on Peristaltic Transport of a Jeffrey Fluid through a Porous Medium with Slip Condition	Journal of Applied Fluid Mechanics, vol. 8(3), pp. 521 - 528 (2015).
7	N. Santhosh, **G. Radhakrishnamacharya** and A. J. Chamkha	Flow of a Jeffrey Fluid Through a Porous Medium in Narrow Tubes	Journal of Porous Media, vol. 18(1), pp. 71 – 78 (2015).
8	**Y.N. Reddy** and PP	A Domain Decomposition Method for Solving Singularly Perturbed Two Point Boundary Value Problems via Exponential Splines	American Journal of Numerical Analysis, 2014, 2(4), pp 128-135, 2014
9	**Y.N. Reddy** and Gemechis	Terminal boundary-value technique for solving singularly perturbed delay differential equations	Journal of Taibah University for Science , 2014, 8, pp 289–300, 2014
10	**Y.N. Reddy** and Shireesha	Fitted Second Order Scheme for Singularly Perturbed Differential Difference Equations	American Journal of Numerical Analysis, 2014, 2(5), pp 136-143, 2014
11	**Y.N. Reddy** and Shireesha	Numerical Solution of Singularly Perturbed Differential Difference Equations with Dual Layer	American Journal of Applied Mathematics and Statistics,2(5), 2014 pp 336- 343
12	**Y.N. Reddy** and Shireesha	Fitted upwind difference scheme for solving Singularly Perturbed Differential Difference Equations with negative shift	International Journal of Applied Science and Engineering Vol.-12, No.-4, 2014, pp-275-288.
13	**Y.N. Reddy** and HSP	Numerical solution of Singularly perturbed two point singular boundary value problems using Differential Quadrature Method	American Journal of Numerical Analysis, 2014, 2(6), pp 177-183
14	**Y.N. Reddy** and HSP	A fitted second order finite difference method for singular perturbation problems exhibiting dual layers	American Journal of Numerical Analysis, 2014, 2(6), pp 184-189
15	**Y.N. Reddy** and HSP	A Fifth Order Compact Difference Method for Singularly Perturbed Singular Boundary Value Problems,	American Journal of Applied Mathematics and Statistics,3(2), 2015, pp: 49-53
16	**Y.N. Reddy** and LP	Initial Value Method Extended for General Singular Perturbation Problems	American Journal of Numerical Analysis, 2015, 3(1), pp25-29

17	**K.N.S.Kasi Viswanadham** & B.Sreenivasulu	Numerical Solution of tenth order boundary value problems by Galerkin method with quintic B-splines	International Journal of Innovation in Science and Mathematics, 2(3), 2014, pp.288-294
18	**K.N.S.Kasi Viswanadham** & B.Sreenivasulu	Numerical Solution of tenth order boundary value problems by Galerkin method with sextic B-splines	International Journal of Applied Mathematics and Statistical Sciences, 3(3), 2014, pp.17-29
19	**K.N.S.Kasi Viswanadham** & S.M.Reddy	Numerical Solution of fourth order boundary value problems by Petrov-Galerkin method with cubic B-splines as basis functions and quintic B-splines as weight functions	International Journal of Computer Applications Vol.104(6), 2014, pp.37-43
20	**K.N.S.Kasi Viswanadham** & S.M.Reddy	Numerical Solution of fifth order boundary value problems by Petrov-Galerkin method with cubic B-splines as basis functions and quintic B-splines as weight functions	International Journal of Computer Science and Electronics Engineering, 3(1), 2015, pp.87-91
21	**K.N.S.Kasi Viswanadham** & S.M.Reddy	Numerical Solution of fifth order boundary value problems by Petrov-Galerkin method with quartic B-splines as basis functions and sextic B-splines as weight functions	International Journal of Engineering Science and Innovative Technololgy Vol.4(1), January, 2015, pp.161-170
22	**J. V. Ramana Murthy,** J. Srinivas & K. S. Sai	Flow of Immiscible Micropolar Fluids Between Two Porous Beds	Journal of Porous Media, 17 (4): 287–300 (2014)
23	Odelu Ojjela and **J. V. Ramana Murthy**	Micropolar Fluid Flow Between Two Porous Parallel Plates With Suction And Injection.	Int. J. of Appl. Math and Mech. 10 (5): 47-57, 2014.
24	P. Aparna **J. V. R. Murthy** and G. Nagaraju	Slow Steady Rotation Of A Permeable Sphere in An Incompressible Couple Stress Fluid.	International Journal of Mathematical Archive-6(2),Feb 2015
25	G.Nagaraju and **J.V.Ramana Murthy**	Unsteady Flow Of A Micropolar Fluid Generated By a Circular Cylinder Subjected to longitudinal and Torsional Oscillations	Theoret.Appl.Mech. TEOPM7, Vol.41, No.1,pp.71-91, 2014
26	J. Srinivas and **J. V. Ramana Murthy**	Thermodynamic Analysis For The MHD Flow of Two Immiscible Micropolar Fluids Between Two Parallel Plates	Frontiers in Heat and Mass Transfer (FHMT), 6, 4 (2015) DOI: 10.5098/hmt.6.4
27	**D. Dutta,** PAVAN KUMAR	A partial ...holding cost	IJMOR, VOL. 7, NO. 3, PP 281-296, 2015
28	**D. Dutta**, Nitish Kumar	Solving multiobjective fuzzy.... Goal programming approach	IOSR Journal of Mathematics, Vol 11, Issue 2, March-April, 2015
29	**Srinivasacharya, D.** and 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
30	**Srinivasacharya, D.** and 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
31	**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
32	**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.
33	**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.
34	**Srinivasacharya, D.** and Surender, O.	Mixed convection boundary layer flow of a nanofluid past a vertical plate in a doubly stratified porous medium,	Journal of Computational and Theoretical Nanoscience, Vol. 11, 1853-1862, 2014

35	**Srinivasacharya, D** and Mekonnen Shiferaw	Flow of micropolar fluid between parallel plates with Soret and Dufour Effects	The Arabian Journal for Science and Engineering, Vol. 39, 5085-5093, 2014.
36	K. Kaladhar and **Srinivasacharya, D.**	Mixed Convection flow of Chemically reacting Couple Stress fluid in an annulus with Soret and Dufour effects	WSEAS Transactions on Heat and Mass Transfer, Vol 9, 84-94, 2014
37	K. Kaladhar and **Srinivasacharya, D.**	Effects of thermal and solutal stratification on mixed Convection flow along a vertical plate saturated with Couple stress fluid	Frontiers in Heat and Mass transfer,Vol. 5, 11, 2014
38	**Srinivasacharya, D.** and Upendar Mendu	Soret and Dofour Effects on MHD Free Convection in a Micropolar Fluid	Afrika Mathematika, Vol. 25:693-705, 2014
39	**Srinivasacharya, D.** and Upendar Mendu	Free convection in mhd micropolar fluid with radiation and chemical reaction effects	Chem. Ind. Chem. Eng. Q. Vol. 20 (2) 183-??195, 2014.
40	**Srinivasacharya, D.** and Kaladhar, K.	Mixed convection flow of chemically reacting Couple stress fluid in a vertical channel with Soret and Dufour effects	Int. J. for Comp. Meth. in Eng. Sci. & Mech,Vol 15, Pp 413- 421, 2014
41	**H.P. Rani,** G Janardhana Reddy, C.N. Kim	Transient Couple Stress Fluid Past a Vertical Cylinder With Bejan's Heat and Mass Flow Visualization for Steady-State	J. Heat Transfer, Vol.137(3), 032501, Paper No: HT-13-1437, 2015
42	**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. Vol. 267, pp.164–171, 2014
43	**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, Vol.69, pp.344–351, 2014
44	**H.P. Rani**, T. Divya, R.R. Sahaya, V. Kain, D.K. Barua	Numerical simulation of turbulent flow in carbon steel pipes leading to flow accelerated corrosion	Arabian Journal of Science and Engineering Vol.39, pp.6435–6451,2014
45	**H.P. Rani,** G Janardhana Reddy, C.N. Kim	Conjugate Transient Free Convective Couple Stress Fluid Flow from a Vertical Slender Hollow Cylinder	Progress in Computational Fluid Dynamics, Vol. 14(5), pp.316-327,2014
46	D. Kumara Swamy, K. Phaneendra, **A. Benerji Babu,** Y.N. Reddy	Computational method for singularly perturbed delay differential equations with twin layers or oscillatory behavior	Ain Shams Engineering Journal (2015) 6, 391–398
47	**A. Benerji Babu,** Ragoju Ravi and S. G. Tagare	Nonlinear thermohaline magneto-convection in a sparsely packed porous medium	Journal of porous medium", Vol 17(1), pp 31-57, 2014. 2014
48	**Ch.RamReddy**, T. Pradeepa D.Srinivasacharya	"Numerical solution for mixed convection in a Darcy porous medium saturated with a micropolar fluid under convective boundary condition using Spectral Quasi-Linearization Method	Adv. Sci. Eng. Med. 2015, Vol. 7, pp. 234-245.
49	P.V.S.N. Murthy, **Ch. RamReddy,** A.J. Chamkha, A.M. Rashad	Significance of viscous dissipation and chemical reaction on convective transport in a boundary layer stagnation point flow past a stretching/ shrinking sheet in a nanofluid	Journal of Nanofluids, 2015, Vol. 4, pp. 214-222
50	**Ch. RamReddy**	A novel spectral relaxation method for mixed convection in the boundary layers on an exponentially stretching surface with MHD and cross-diffusion effects	Int. J. of Computer Science and Electronics Engineering, 2015, Vol. 3(1), pp. 95-99,
51	**Ch. RamReddy**, P.V.S.N. Murthy, A.M. Rashad, A.J. Chamkha	Soret effect on stagnation point flow past a stretching/shrinking sheet in a nanofluid saturated non-Darcy porous medium	Accepted in Special Topics & Reviews in Porous Media - Sept 2014.

*Name of the Faculty of the Department to be emboldened

i) Peer – Reviewed National Journal Publications

S. No.	Authors (*)	Title of the Paper	Journal Details (Journal, Year, Vol., pp)
1	**Ch.RamReddy,** Rishi Raj Kairi	Numerical study of boundary layer flow of an electrically conducting Newtonian fluid with variable electric conductivity	Research Journal of Pure Science, 2014, Vol. 1(2), pp. 81-92
2	**Ch.RamReddy,** Rishi Raj Kairi	A novel spectral relaxation method for cross-diffusion effects on MHD mixed convection in the boundary layers on an exponentially stretching surface	Research Journal of Pure Science, 2014, Vol. 1(2), pp. 103-116

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B. Presentations in Conference / Symposia etc.,

i) International Presentations

S. No.	Authors (*)	Title of the Paper	Oral / Poster	Event Details (Event, Place, Dates)
1	G. Ravi Kiran and **G. Radhakrishnamacharya**	Effects of Homogeneous and Heterogeneous Chemical Reactions on Peristaltic flow of a Micropolar Fluid through a Porous Medium with Wall Effects in the presence of Slip	Oral	5th International Conference on Mathematics and its Applications (ICMA' 15), during 16 - 17 March 2015, Abudhabi (UAE).
2	**YNReddy**	Numerical Integration Method for singularly perturbed differential difference equations	Oral	IJAS conference at University of London, U. K. 3-7, November, 2014
3	**K.N.S.Kasi Viswanadham** & S.M.Reddy	Numerical solution of fifth order boundary value problems by Petrov-Galerkin method with quintic B-splines as basis functions and septic B-splines as weight functions	Oral	59th Congress of ISTAM Alliance University, Bangalore 17-20, December, 2014
4	**K.N.S.Kasi Viswanadham** & S.M.Reddy	Numerical solution of sixth order boundary value problems by Petrov-Galerkin method with quintic B-splines as basis functions and septic B-splines as weight functions	Oral	59th Congress of ISTAM Alliance University, Bangalore 17-20, December, 2014
5	**K.N.S.Kasi Viswanadham** & B.Sreenivasulu	Numerical Solution of tenth order boundary value problems by Galerkin method with septic B-splines	Oral	59th Congress of ISTAM Alliance University, Bangalore 17-20, December, 2014
6	**K.N.S.Kasi Viswanadham** & S.M.Reddy	Numerical Solution of fifth order boundary value problems by Petrov-Galerkin method with cubic B-splines as basis functions and quintic B-splines as weight functions	Oral	3rd International Conference on Advances in Mathematical Sciences Dubai (UAE) 11-12, January, 2015
7	**Ramana Murthy J V,** Srinivas J and Sai K S	Second Law Analysis Of The Flow Of Two Immiscible Couple Stress Fluids In Four Zones	Oral	HEFAT 2014, 14 – 26 July 2014, Orlando, Florida
8	**J.V.Ramana Murthy,** G.S.Bhaskara Rao and T.Govinda Rao	Resonance Flow Due to Rectilinear oscillations of a Circular Cylinder In A Micropolar Fluid	Oral	ISTAM 2014, Dec 21-25, Aliance University, Bangalore.
9	**J.V.Ramana Murthy,** G.S.Bhaskara Rao and T.Govinda Rao	Resonance Type Flow due to rectilinear oscillations of a Sphere in a Micropolar Fluid	Oral	International conference on Vibration Problems, Feb18-20, 2015 at Kakatiya University
10	**J.V.Ramana Murthy,** M.Phani kumar	Exact solution for flow over a contaminated fluid sphere for stokes flow	Oral	International conference on Vibration Problems, Feb18-20, 2015 at Kakatiya University
11	**D.Dutta**, Pavan Kumar	A Partial .... Number approach	Oral	Int Conf in Operations Research (KOI 2014), Univ of Osijek, Croatia, Sept 24-26, 2014

12	**H.P. Rani**, G. Janardhana Reddy	Heatlines and masslines for transient couple stress Fluid flow past a vertical cylinder	Oral	Paper No. 59-istam-fm-a-o39, Proceedings of 59th Congress of ISTAM. Held at Alliance University, Anekal, Bangalore – 562106, Karnataka, India, Dec. 17-20, 2014.
13	V.P. Anurada, Y. Rameshwar and **H. P. Rani**, D. Laroze	Natural convection in a binary fluid in a porous medium	Oral	Paper No. 59-istam-fm-fp-226, Proceedings of 59th Congress of ISTAM. Held at Alliance University, Anekal, Bangalore – 562106, Karnataka, India, Dec. 17-20, 2014.
14	Shakira Sultana, Y.Rameshwar and **H. P. Rani**	Effect of rotating magnetoconvection in porous medium in the presence of horizontal magnetic field	Oral	Paper No. 59-istam-fm-fp-259, Proceedings of 59th Congress of ISTAM. Paper No. 59-istam-fm-fp-263, Held at Alliance University, Anekal, Bangalore – 562106, Karnataka, India, Dec. 17-20, 2014.
15	G Janardhan Reddy, Bhaskerreddy Kethireddy and **H. P. Rani**	Bejan's flow visualization for conjugate heat Transfer from a vertical cylinder	Oral	Alliance University, Anekal, Bangalore–562106, Karnataka, India, Dec. 17-20, 2014.
16	**T. Kurmayya and** G.Ramesh	Nonnegative Moore-Penrose inverses of unbounded operators	Oral	ICLAA-2014, December, 18-24, 2014 Manipal University, Karnataka
17	**Ch.RamReddy**	A novel spectral relaxation method for mixed convection in the boundary layers on an exponentially stretching surface with MHD and cross-diffusion effects	Oral	3rd International Conference on Advances in Mathematical Sciences (ICAMS'15) , Dubai (UAE), Jan. 11-12, 2015.

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ii) National Presentations

S. No.	Authors (*)	Title of the Paper	Oral / Poster	Event Details (Event, Place, Dates)
1	**D.Dutta**, Nitish Kumar	Solving Fuzzy Solid ... Budget Constraint	Oral	47th Convention of ORSI, Tirupati, Dec 1-3, 2014
2	**P. Muthu** and M. Varunkumar	Mathematical model of flow in a doubly constricted channel with permeability	Oral	International Conference on Mathematical and Computational Biology, I.I.T. Kanpur (India) 28 Feb. – 3 Mar. 2015

* 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	A.N. Mallika, **A. Ramachandra Reddy, K. Venugopal Reddy**	Annealing effects on the structural and optical properties prepared with PVA and CA as chelating agents	Published in Journal of Advanced Ceramics.
2	A.N. Mallika, **A. Ramachandra Reddy, K. Venugopal Reddy**, K. Sowri Babu	Structural and Optical characterization of $Zn_{0.95-x}Mg_{0.05}Al_xO$ nanoparticles	Published in Ceramics International.

3	K. Sowri Babu, **A. Ramachandra Reddy, K. Venugopal Reddy**	Green emission from ZnO-MgO nanocomposite due to Mg diffusion at the interface	Journal of Luminescence, 158/ October/2014; 306-312
4	K. Sowri Babu, A.N. Mallika, **A. Ramachandra Reddy, K. Venugopal Reddy**	Synthesis and optical characterization of Aluminiu doped ZnO Nanoparticles	Ceramics International, 40, April 2014/12171-12177
5	A.N. Mallika, **A. Ramachandra Reddy, K. Venugopal Reddy,** Ch. Sujatha, k. Sowri Babu	Structural and photoluminescence properties of Mg substituted ZnO Nanoparticles	Optical Materials, 36, Jan.-2014/ 879–884.
6	K. Sowri Babu, A.N. Mallika, **A. Ramachandra Reddy, K. Venugopal Reddy**	High thermal annealing effects on structural and optical properties of ZnO-SiO2 nanocomposite	Materials Science in Semiconductor processing, 27/ August-2014, 643-648
7	Srinivas Kuntamalla, **L. Ram Gopal Reddy**	An Efficient and Automatic Systolic Peak Detection Algorithm for photoplethysmographic Signals	*International Journal of Computer Applications, (0975 – 8887), Vol. 97– No.19, July 2014*, 18-23.
8	Srinivas Kuntamalla, **L. Ram Gopal Reddy**	Reduced Data Dualscale Entropy Analysis of HRV Signals for Improved Congestive Heart Failure Detection	Measurement Science Review, Volume 14, No. 5, 2014, pp 294-301.
9	K. Rama Gopal, A.P. Lingaswamy, S.Md. Arafath, G. Balakrishnaiah, K. Raja Obul Reddy, R.R. Reddy, **P. Abdul Azeem.** Shyam Lal	*Seasonal heterogeneity in ozone and its precursors (NO_x) by in-situ and model observations on semi-arid station in Anantapur (A.P), South India*	Atmospheric Environment 84 (2014) 294-306
10	**Sourabh Roy,** A. Willinger, S. Combrié, A. De Rossi, G. Eisenstein, and M. Santagiustina	Parametric Gain and Conversion Efficiency in Nanophotonic Waveguides With Dispersive Propagation Coefficients	IEEE Journal of Light wave Technology, March 2014, pp. 1177-1182, Vol. 32, No. 6
11	N. Rajeswar 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	J. Polym. Mater. Vol. 31, No.4, 2014, 503-515.
12	Venkata Reddy. M, Srimannarayana. K, **R. L. N. Sai Prasad, Venkatapparao T.** & Vengal Rao. P.	Characterization of Encapsulating Materials for Fiber Bragg Grating-Based Temperature Sensors	Fiber and Integrated Optics, 33:325–335, 2014, DOI: 10.1080/01468030.2014.932472
13	M. Venkata Reddy*, **R.L.N. Sai Prasad,** K. Srimannarayana, M. Manohar, **T.V. Apparao**	FBG-based temperature sensor package	978-1-4799-6499-4/14, 2014 IEEE
14	Venkata Reddy. M, Srimannarayana. K, **R. L. N. Sai Prasad, Venkatapparao.** T, & Vengal Rao. P	Method to athermalize a long-period fiber grating for interrogation of fiber Bragg grating–based sensors	Optical Engineering 53(9), 096111 (Sept. 2014)
15	Venkata Reddy. M, Srimannarayana. K, **R. L. N. Sai Prasad, Sai Shankar. M, Venkatapparao.** T, Vengal Rao. P, & Kishore. P.	Fiber Bragg grating-based high temperature sensor and its low cost interrogative system with enhanced resolution	Optica Applicata, Vol. XLIV, No.2, 2014. DOI: 10.5277/ oa140210.

16	Ye Rim Cheon, Hui-Jun Yun, **K. Thangaraju**, Yun-Hi Kim	Bis(1-phenyl-1H-benzo[d]imidazole) phenyl phosphine oxide interlayer for effective hole blocking in efficient phosphorescent organic light emitting diodes based on widely used charge transporting layers	Synthetic Metals, 2014, Vol. 190, pp. 39-43.
17	M. Kovendhan, **D. Paul Joseph** , P. Manimuthu, A. Sendilkumar, et al.,	Prototype electrochromic device and dye sensitized solar cell using spray deposited undoped and 'Li' doped V_2O_5 thin film electrodes	Current Applied Physics, 15 (2015) 622-631.

* Name of the Faculty of the Department to be emboldened

i) Peer – Reviewed National Journal Publications

S. No.	Authors (*)	Title of the Paper	Journal Details (Journal, Year, Vol., pp)
1	M. Kovendhan, **D. Paul Joseph**, P. Manimuthu, et al.,	100 MeV O^{7+} irradiation induced red shift in the band gaps of 3 wt% 'Li' doped Nb_2O_5 thin film	AIP Conf. Proc., *Proceedings of 58th DAE Solid State Physics Symposium* 2013, 17 – 21st Dec., Thapar Univ., Patiala, India. Vol. 1591, 2014, 901-903

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B. Presentations in Conference / Symposia etc.,

i) International Presentations

S. No.	Authors (*)	Title of the Paper	Oral / Poster	Event Details (Event, Place, Dates)
1	**A. Ramachandra Reddy**, A.N. Mallika, **K.V.G .Reddy**, K. Sowri Babu	Hydrothermal synthesis and characterization of ZnO nanocrystals,	Oral	International Conference on Physics and Astrophysics, Abudabi, UAE.
2	K. Srinivas and **L. Ram Gopal Reddy**	The effect of chi meditation on multifractal nature of heart rate variability		International Conference on Applied Physics and Mathematics (ICAPM2015), Busan, South Korea, Feb 12-13, 2015
3	**P. Abdul Azeem** B. Evangeline	Synthesis and luminescent features of $CaZrO_3$ nanophoshors" at Smart Materials and Surfaces	Oral	Smart Materials and Surfaces (SMS) conference &Exhibition, Bangkok 2104, Shereton Grande Sukhumvit Hotel, Bangkok, Thailand. 26-28 August 2014
4	**T. Venkatappa Rao**, N. Rajeswar Rao, **S.V.S Ramana Reddy** and B. Sanjeeva Rao	Effect of electron beam on thermal, morphological and anti-oxidant properties of kraft lignin	Oral (page.56 of the proceedings)	Smart Materials and Surfaces (SMS) conference &Exhibition, Bangkok 2104, Shereton Grande Sukhumvit Hotel, Bangkok, Thailand. 26-28 August 2014
5	Hari Krishna, **Sourabh Roy**	Comparative Photonic Bandgap Analysis on Square and Triangular Lattice Photonic Crystal Slabs	Poster	ICOP 2015, Calcutta University, 20-22 Feb, 2015
6	**Sourabh Roy**, Hari Krishna	Photonic Bandgap Analysis on Square and Triangular Lattice Photonic Crystal Slab	Oral	PICQUE Integrated Quantum Photonics Workshop, Oxford University, 7 - 9 January 2015

7	Marco Santagiustina, **Sourabh Roy**	Phase insensitive and sensitive optical parametric amplification in III-V semiconductor photonic	Oral	Photonics 2014, IIT Kharagpur, 13-16 Dec, 2014
8	Hari Krishna, V D R Pavan, **Sourabh Roy**	Photonic Band-gap Analysis on Two Dimensional Photonic Crystal of Square and Triangular Lattice	Oral	Photonics 2014, IIT Kharagpur, 13-16 Dec, 2014
9	V D R Pavan, Hari Krishna, **Sourabh Roy**	Studying semiconductor photonic crystal slabs for near IR photonic bandgap	Poster	Photonics 2014, IIT Kharagpur, 13-16 Dec, 2014
10	P. Saravanan, R. Vishnuraj, **D. Paul Joseph**, J. Arout Chelvane, S.V. Kamat	Deposition of sub-micron thick Sm-Co magnetic films by electron-beam evaporation	Oral-MTF17, Pg. 228	International conference on magnetic materials & applications 2014 - ICMAGMA-2014, Sept. 15-17, Dept. of Physics, Pondicherry University

* 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	S. Raj Kumar, **P. Abdul Azeem**	Invitro bioactivity of Zirconia doped borosilicate glasses	Poster	DAE-SSP 59th Symposium, VIT, Vellore,(TN) 16th - 20th, December, 2014
2	S. Raj Kumar, **P. Abdul Azeem**	Investigations on zirconia doped borosilicate bioactive glass-ceramics	Poster	International seminar on Glasses and other functional materials (ISGFM), AN University Guntur
3	**K. Thangaraju**, Jonghee lee, Jeong-Ik lee, Hye Yong Chu, Yun-Hi Kim and Soon-Ki Kwon	Highly Efficient Green Phosphorescent Organic Light Emitting Diodes with Improved Efficiency Roll-Off	Poster	59th DAE Solid State Physics Symposium 2014, During Dec. 16-20, 2014 held at VIT University, Tamilnadu
4	**D. Paul Joseph** and J. G. Lin	Non-local spin injection effects in coplanar $La_{0.7}Sr_{0.3}MnO_3/Bi_2Sr_2CaCu_2O_8/La_{0.7}Sr_{0.3}MnO_3$ Tri-layer	Oral & Poster	*59th DAE Solid State Physics Symposium* 2014, 16 – 20th Dec., VIT Univ., Tamilnadu.

* 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,** 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
3.	**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

4.	**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
5.	**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
6.	Gudipati Srinivasa Rao, **Srinivas Basavoju** and **Ramachandraiah A**	Crystal Structure Analysis of Betti Base 1-((2-hydroxynaphthalen-1-yl)(2-hydroxy- phenyl) methyl) urea•2DMF Solvate	Mol. Cryst. Liq. Cryst., 2014, Vol. 605: pp. 225–239
7	T. V. Sagar, N.Sreelatha, G. Hanmant, M.Surendar, N. Lingaiah, K.S.Rama Rao, CVV. Satyanarayana, **I.A.K.Reddy**, P.S.Sai Prasad	"Influence of method of preparation on the activity of La–Ni–Ce mixed oxide catalysts for dry reforming of methane"	RSC Advances, 2014, 4, 50226-50232
8	**K. Laxma Reddy** and P. Kavitha	Synthesis, Structural Characterization and Biological Activity Studies of Ni(II) and Zn(II) Complexes	Bio-Inorganic Chemistry and Applications, 2014, 14, 459
9.	**Rajeswar Rao Vedula** & Sreenu Pavurala	An Efficient, Multicomponent Synthesis of Pyrazolyl Triazolo Thiadiazinyl Chromen - 2 – Ones	*Journal of heterocyclic chemistry*, 2015, *52*, 306-309.
10.	**Rajeswar Rao Vedula** & Rajkumar Ramagiri	Crystal structure of (*Z*)-3-{3-(4-chlorophenyl)-2-[(4-chlorophenyl)imino]-2,3-dihydrothiazol-4-yl}-2*H*-chromen-2-one.	*Acta Cryst.* 2014, *E70*, 1268-1269.
11.	**Rajeswar Rao Vedula**. Tewodros Birhanu Aychiluhim	Multi-component synthesis of 1,2-diphenyl-2-[2-(5-aryl-6*H*-1,3,4-thiadiazin-2-yl)hydrazono]ethanone	*Heterocyclic Communications.* 2014, *20(4)*, 239–242.
12.	**V. Rajeswar Rao** and B. Thirupaiah	A facile one pot synthesis of 3-(1-Benzyl-2-phenyl-1*H*-imidazol-4-yl)-4-hydroxy-6-methy-2*H*-pyran-2-one derivatives *via* multi-component approach.	*Organic Communications*, 2014, *7:2*, 53-59.
13.	**V. Rajeswar Rao** and Tewodros Birhanu A.	Efficient, One-Pot Synthesis of Triazolothiadiazinyl-pyrazolone and Pyrazolyl-triazolothiadiazine Derivatives via Multicomponent Reaction	*Synthetic Communications*, 2014, *44*, 1422–1429.
14.	**V. Rajeswar Rao** 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.
15.	**V. Rajeswar Rao** & 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.
16.	**V. Rajeswar Rao** & 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.
17.	Sreenu Pavurala & **V. Rajeswar Rao**	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.
18.	Satyanarayana M, K. Koteshwara Reddy, **K. V. Gobi**	Multiwall Carbon Nanotube Ensembled Biopolymer Electrode for Selective Determination of Isoniazid *in-vitro*	Analytical Methods, 2014, 6, 3772 - 3778.
19.	Satyanarayana M, K. Koteshwara Reddy, **K. V. Gobi**	Nanocomposite-based electro- chemical sensor for sensitive determination of serotonin in presence of dopamine, ascorbic acid and uric acid in vitro	Electroanalysis 2014, 26, 2365-2372.

20.	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, 97-102.
21	S Kumar, A Baruah, T Surendar, B Kumar, V Shanker, 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
22.	T Surendar, S Kumar, V Shanker	Influence of La-doping on phase transformation and photocatalytic properties of ZnTiO3 nanoparticles synthesized via modified sol–gel method	Physical Chemistry Chemical Physics 16 (2), 728-735
23.	S Tonda, S Kumar, S Kandula, V Shanker	Fe-doped and-mediated graphitic carbon nitride nanosheets for enhanced photocatalytic performance under natural sunlight	Journal of Materials Chemistry A 2 (19), 6772-6780
24.	S Kumar, B Kumar, T Surendar, V Shanker	g-C3N4/NaTaO3 organic–inorganic hybrid nanocomposite: high-performance and recyclable visible light driven photocatalyst	Materials Research Bulletin 49, 310-318
25.	Santosh Kumar, T. Surendar, Bharat Kumar A Baruah and V shanker	Synthesis of highly efficient and recyclable visible-light responsive mesoporous g-C3N4 photocatalyst via facile template-free sonochemical route	RSC Adavnces 4, 8132
26.	S Kumar, S Tonda, A Baruah, B Kumar, V Shanker	Synthesis of novel and stable gC3N4/N-doped SrTiO3 hybrid nanocomposites with improved photocurrent and photocatalytic activity under visible light irradiation	Dalton Transactions 43 (42), 16105-16114
27.	S Kumar, T Surendar, V Shanker	Template-free and eco-friendly synthesis of hierarchical Ag3PO4 microcrystals with sharp corners and edges for enhanced photocatalytic activity under visible light	Materials Letters 123, 172-175
28	S Tonda, S Kumar, O Anjaneyulu, V Shanker	Synthesis of Cr and La-codoped SrTiO3 nanoparticles for enhanced photocatalytic performance under sunlight irradiation	Physical Chemistry Chemical Physics 16 (43), 23819-23828
29.	D. Santhanaraj, N. Venkatathri, A. Jeya Rajendran,	Room temperature synthesized Manganese incorporated crystalline aminophosphate molecular sieves as catalysts for Decomposition of H2O2.	Adv. Por. Mat. 2 (2014) 16.
30.	A. Rajini, M. Nooka Raju, **I.A.K. Reddy, N. Venkatathri,**	Synthesis, characterization and biological evaluation of Vanadium do-decylamino phosphate.	Arabian J. Chem. http://dx.doi.org/10.1016/j.arabjc.2013.07.038
31.	A. Rajini, M. Nooka Raju, **I.A.K. Reddy, N. Venkatathri,**	Synthesis, characterization, DNA binding and anticancer studies of Vanadium do-decylamino phosphates	J. Saudi Chem. Soc. http://dx.doi.org/10.1016/j.jscs.2013.10.005.
32.	N. Venkatathri, A. Ajay Kumar, A. Rajini, M. Nookaraju, **I.A.K. Reddy,**	Promoter induced rapid synthesis of Mesoporous hollow silica nano cuboids from octadecyl trichloro silane	Adv. Por. Mat., 2 (2014) 137.
33.	Banoth Paplal, S. Nagaraju, Palakollu Veerabhadraiah, Kodam Sujatha, Sriram Kanvah, B. Vijaya Kumar and **Dhurke Kashinath**	Recyclable Bi2WO6-nanoparticle mediated one-pot multicomponent reactions in aqueous medium at room temperature	RSC Advances, 2014, 4, 54168
34.	Janardhan Banothu, **Srinivas Basavoju, Rajitha Bavantula**	Pyridinium Ylide 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, 2015, Volume 52, Issue 3, pages 853–860.

35.	Gudipati Srinivasa Rao, **Srinivas Basavoju, Ramachandraiah A**	Crystal Structure Analysis of Betti Base 1-((2-hydroxynaphthalen-1-yl)(2-hydroxyphenyl) methyl) urea• 2DMF Solvate	Molecular Crystals and Liquid Crystals, 2014, Volume 605, Issue 1, Pages 225-239.
36.	Janardhan Banothu, Manjulatha Khanapur, **Srinivas Basavoju, Rajitha** Bavantula, Muralikrishna Narra, Sadanandam Abbagani	Synthesis, characterization and biological evaluation of fused thiazolo [3, 2-a] pyrimidine derivatives	RSC Advances, 2014, Volume 4, Issue 4, Pages 22866-22874.

* 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.	**Vedula, Rajeswar Rao,** Penta, Santhosh	An efficient improved one-pot synthesis of thiazolo[2,3-*d*][1,2,4]triazol-5-yl)-2*H*-chromen-2-one derivatives *via* multi-component approach	*IJC-B*, 2014, *53B*, 115-119.
2.	T V Sagar, N Sreelatha, G Hanmant, K Upendar, N Lingaiah , K S Rama Rao, C.V.V. Satyanarayana, **I A K Reddy,** P. S. Sai Prasad	Methane reforming with carbon dioxide over La-Nix-Ce1-x mixed oxide catalysts	Indian Journal of Chemistry, 2014, 53A, 478-483.

* 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.	Sagar.P.Vijay kumar and **G.V.P.Chandramouli**	Green Chemical synthesis and Antimicrobial Activity of Novel fused Chromeno-pyrazole-phalazine - Triones	Oral	International symposium on Medicinal Chemistry. LISBON,Portugal,During 7th -11th September,2014.
2	**K. Laxma Reddy** and P. Kavitha	Synthesis, structural characterization and biological activity studies of Ni(II) and Zn(II) complexes	Poster	Indian Council of Chemists, 3rd International Conference, 10-6-14 and 14-6-14, Dubai and Abu Dhabi
3.	B. A. Tewodros and **V. Rajeswar Rao**	Synthesis of triazolothiadiazinyl-pyrazolone and pyrazolyl-triazolothiadiazine derivatives via multi-component approach.	oral	Gordon Research Conferences, Salva Regina University, USA. 15th -20th June, 2014.

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ii) National Presentations

S. No.	Authors (*)	Title of the Paper	Oral / Poster	Event Details (Event, Place, Dates)
1	**B. V. Appa Rao,** Vimal Kumar K.	"Chitin xanthate, an eco-friendly inhibitor to combat corrosion of copper in aqueous chloride environment"	Oral	"Fourth International Conference on Natural Polymers, Bio-Polymers, Bio-Materials, their Composites, Nanaocomposites, Blends, IPNs, Polyelectrolytes and Gels: Macro to Nano Scales (ICNP – 2015) during April 10, 11 & 12, 2015 at Mahatma Gandhi University, Kottayam, Kerala, India".

2	**B. V. Appa Rao**, Vimal Kumar K.	"Phosphorylated chitin: an eco-friendly corrosion inhibitor for copper in aqueous chloride environment"	Oral	4th Annual meeting Indian chitin and chitosan society (ICCS) National Conference on Application of the derivatives of Chitin and Chitosan (ADCC-2014). During August 22- 23, 2014, at Gandhigram Rural university, Gandhigram, Tamil Nadu.
3	Gudipati Srinivasa Rao, Ashutosh Kumar Yadav and **A. Ramachandraiah**	Spectral, Electrochemical, and Molecular Modeling Studies of A Urea Betti Base in Aqueous and Non-Aqueous Media	Poster	International conference on Electrochemical Science and Technology (ICONEST-2014), at IISc – Bangaluru, 7^{th} – 9^{th} August 2014, Organized by The Electro Chemical Society of India.
4	Gudipati Srinivasa Rao, Ashutosh Kumar Yadav and **A. Ramachandraiah**	Photo-Induced Transformation and Buffer Effect Studies of A Non-Linear Molecule for Electrochromic Device Applications	Oral	International Conference on New Frontiers in Chemical, Energy and Environmental Engineering (INCEEE), Organized by Chem. Engg., NIT Warangal, during 20-21 March, 2015 ISBN: 978-81-928314-1-1
5	Gudipati Srinivasa Rao, Ashutosh Kumar Yadav and **A. Ramachandraiah**	Spectral, Electrochemical and Molecular Modeling Studies of A Nonlinear Schiff base in Aqueous Media	Oral	APAS (A. P. Akademi of Sciences) Golden Jubilee Science Congress – 2014, organized by APAS in association with CSIR – IICT & CSIR – CCMB, at CSIR – IICT, Tarnaka, Hyderabad,India during 13 – 15^{th} November **2014**.
6	Ashutosh Kumar Yadav, Gudipati Srinivasa Rao, and **A. Ramachandraiah**	Spectral and Molecular Modeling Studies of Some Binuclear Copper (II) and VO (IV) Complexes of A New Series of Schiff Base of 3-Formyl Chromone and 4,4'-Diaminophenyls	Poster	APAS (A. P. Akademi of Sciences) Golden Jubilee Science Congress – 2014, organized by APAS in association with CSIR – IICT & CSIR – CCMB, at CSIR – IICT, Tarnaka, Hyderabad,India during 13 – 15^{th} November **2014**.
7	**I.Ajit Kumar Reddy**	6th IEEE International Conference on Technology for Education	Amrita University, Amritapuri, Kerala	18^{th} -21^{st} Decenber, 2014
8	**K. Laxma Reddy** and B. Mayuri	Synthesis and Characterisation of Cu(II), Co(II), Ni(II) AND Zn(II) Complexes with Schiff base derived from 3-Formylchromone and 3-Amino-1,2,4-triazole	Oral	International Conference on New Frontiers in Chemical, Energy and Environmental Engineering (INCEEE-2015), Department of Chemical Engineering, NIT Warangal, 20-21, March 2015.
9	**K. Laxma Reddy**, **B. V. Appa Rao** and B. Kannamba	Studies on adsorption of Cr(VI) on chitosan functionalized with xanthate and thiocarbamoyl	Oral	International Conference on New Frontiers in Chemical, Energy and Environmental Engineering (INCEEE-2015), Department of Chemical Engineering, NIT Warangal, 20-21, March 2015.
10	**K. Laxma Reddy** and P. Kavitha	Synthesis, characterization, DNA cleavage and cytotoxicity studies of Ru(II) complexes with Schiff Base Ligands	Oral	Andhra Pradesh Akademi of Sciences, Golden Jubilee Conference, IICT, Hyderabad, 12-15, November, 2014

11	**K. Laxma Reddy** and B. Mayuri	Synthesis andcharacterisation of new Schiff base formed by condensation of 3-Formylchromone and 4-Amino-1,2,4-triazole UGC sponsored National Seminar on "Recent Advances in Chemistry (RAC-2015)" organized by Department of Chemistry, Kakatiya University, Warangal, India during 30-31, March 2015.	Poster	UGC sponsored National Seminar on "Recent Advances in Chemistry (RAC-2015)" organized by Department of Chemistry, Kakatiya University, Warangal, India during 30-31, March 2015.
12	**K. Laxma Reddy** and B. Mayuri	Synthesis, characterisation and crystal structure of novel Schiff base derived from 3-formylchromone and o-anisidine	Oral	National Symposium on "X-Ray Diffraction and Recent Advances in Crystallography (XDRAC - 2015)" held at Periyar University, Salem, Tamilnadu, India during, 27-28 February, 2015
13	Mallikarjun, G., Hithavani, R and **Srilakshmi, P. V.**	Targetted Gene Delivery to Liver. Tocopherol Based Lipids	Poster	ISBOC-10 IISER PUNE Jan- 11-15 2015
14	A. Rajini, A. Ajay kumar, M. Nookaraju, **I.A.K. Reddy**, N. Venkatathri,	Titanium dodecylamino phosphate : A novel efficient catalyst for tetrahydrobenzo[a]xanthen-11-ones synthesis	Oral	22nd National Symposium on Catalysis (CATSYMP 22) , CSIR-Central Salt and Marine Chemicals Research Institute, Bhavnagar, Gujarat, India, January 7-9, 2015.
15	B. Mayuri, **Srinvas Basavoju**, K. Laxma Reddy	Synthesis, characterization and crystal structure of novel Schiff base derived from 3-formylchromone and *o*-anisidine.	Poster	National symposium on "X-ray diffraction and recent advances in crystallography (XDRAC-2015)" held at Periyar University, Salem, Tamilnadu, India, during 27-28th Feb 2015.
16	K. Koteshwara Reddy, Satyanarayana M, **K. V. Gobi**	Electrochemical detection of epinephrine using functionalized Multiwall Carbon Nanotube-Chitosan modified Glassy Carbon Electrode	Oral	International Conference on Electrochemical Science and Technology – Electrochemistry, Energy, Environment and Corrosion, The Electrochemical Society of India, Bangalore, August 7-9, 2014.
17	K. Yugender Goud, **K. V. Gobi**	Molecular Imprinted Polymer based Electrodes for Electrochemical Impedimetric Detection of DNT derivatives	Oral	International Conference on Electrochemical Science and Technology – Electrochemistry, Energy, Environment and Corrosion, The Electrochemical Society of India, Bangalore, August 7-9, 2014.
18	Satyanarayana M, K.Yugender Goud, **K. V. Gobi**	Biopolymer protected Gold Nanoparticle-Carbon Nanotube Hybrid Composite for Electrochemical Detection of 5-Fluorouracil in-vitro	Oral	Fourth International Conference on Natural Polymers, Bio-Polymers, Bio-Materials, their Composites, Nanocompo-sites, Blends, IPNs, Polyelectrolytes and Gels: Macro to Nano Scales (ICNP – 2015), April 10-12, 2015, Mahatma Gandhi University, Kottayam, Kerala.
19	K. Yugender Goud, K. Koteshwara Reddy, Satyanarayana M, **B.V. Appa Rao, K. V. Gobi**	Development of Highly Selective Electrochemical Impedance Sensor for Detection of Parts-per-billion Levels of 5-Chloro2,4-dinitrotoluene	Oral	Fourth International Conference on Natural Polymers, Bio-Polymers, Bio-Materials, their Composites, Nanocompo-sites, Blends, IPNs, Polyelectrolytes and Gels: Macro to Nano Scales (ICNP – 2015), April 10-12, 2015, Mahatma Gandhi University, Kottayam, Kerala.

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एनबीए टीम का दौरा

NBA Team visit



निदेशक द्वारा प्रमाचार एनबीए टीम को

Address by Director to NBA Team



एनबिए टीम का दौरा सिविल इंजीनियरिग विभाग

NBA Team visit to Civil Enginnering Department

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.	K. Jaisingh **K. Madhavi**	"Innovative Techniques to Develop English Language Skills through Internet-Enabled Mobile Phones"	The International Journal of Humanities and Social Studies ISSN 2321 – 9203 in January 2015.
2.	**K. Madhavi**	"Exploring Cultural Sensitivity In The Teaching/Learning Of ESL – An Experimental Study At The Undergraduate Level"	International conference organised by the International Centre of Economics, Humanities and Management, at Dubai on 9th and 10th of January 2015.
3.	**K. Madhavi**	Differentiated Instruction and E-learning in Corporate Sector – A Study published	Global Journal for Research Analysis for Volume-3, Issue -7, July 2014 Edition with Impact factor of 1.5408. ISSN: 2277 – 8160.
4.	S.M. Jyothirmayee, **K. Madhavi** P. Eliah	Implementing Interactive curriculum in an ESL Classroom - A Study	Golden Research Thoughts, International Recognition Research Journal, Associated & Indexed by EBSCO,U.S.A.DOI Prefix : 10.9780, Impact Factor : 2.2052 (UIF), Volume 4 Issue 1,July 2014 Edition, ISSN -2231-5063. Available online at **www.aygrt.isrj.net.**

* Name of the Faculty of the Department to be emboldened

ii) Peer – Reviewed National Journal Publications

S.No	Author(s)	Title of paper	Journal details
1	**D.S.Kesava Rao** **Vishwanathan** M.R	The A(E)ffective Teacher Interrogating the post-method condition: are we there yet?	Kakatiya Journal of English Studies , Vol 34/2015,pp.91-96 JELTAL www.jeltal.com; ; Volume 2, Issue—4, December 2014; ISSN: 2347-6575 pp. 65-72
2	**Vishwanathan M.R**	What? Literature! : Taking a relook at using literature in the ESL classroom	www.fortell org; Issue 30; ISSN No : 2229-6557.
3	**Vishwanathan M.R**	Critical pedagodgy in the ESL classroom : a teacher reminisces	Journal of English Language and Literature; www.joell.in ; ISSN:2349-9753 Vol 2 Issue 1; March 2015; pp. 116-120
4	**Vishwanathan M.R**	Group Discussion in an ESL Classroom: A Socio-cultural Perspective	Language in India; ISSN 1930-2940 Vol. 14:11 November 2014; pp.245-251

B. Presentations in Conference / Symposia etc.,

i) International Presentations

S. No.	Authors (*)	Title of the Paper	Oral / Poster	Event Details (Event, Place, Dates)
1.	**K. Madhavi**	Diagnosing Gendered Phenomena and Cultural Sensitivity in the Teaching/ Learning of ESL at the Undergraduate Level- A Study in Telangana State"	Oral	IIT Patna during April 3rd and 4th 2015.

2.	**K. Madhavi**	"Exploring Cultural Sensitivity In The Teaching/Learning of ESL – An Experimental Study at Undergraduate Level"	Oral	International Conference organised by the International Centre of Economics, Humanities and Management, at Dubai on 9th and 10th of January 2015.
3.	**K. Madhavi**	Exploring Resources in the Teaching of ESL to Improve Writing and Speaking Skills – A Study at the Tertiary Level"		International Conference on Trends and Innovations in Language Teaching-TILT'14 organized by Satyabhama University Chennai on Nov. 14th & 15th 2014.
4	**K. Madhavi**	Cognitive Theories Affecting Adult Learners- An Exploratory Study'		9th International and 45th Annual ELTAI Conference on 'English – From Classes to Masses' organized by ELTAI Chapter Rajasthan Chapter in association with British Council, from 21st to 23rd August. 2014.

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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	Dr. R.N.Rao, S Das, **S.L.Tulasi Devi**	Seizure pressure and sliding velocity diagrams on tribological behavior of Alalloy composites in as-cast and heat-treated conditions	TribologyInternational ELSEVIER 80 June (2014)1–6. (Impact Factor: 1.553).
2	Dr. Pushpak Agrawal, **S.L.Tulasi Devi**	Share Analysis in Power Generation and Supply Industry in India,	GE-International Journal of Management Research Volume -2, Issue -7 July 2014 (Impact Factor-3.142) ISSN: (2321- 1709).
3	**S.L.Tulasi Devi, K.Padma, R.Mohan**	Fixed Investment Analysis in Aluminium Industry,	International Journal of Management and Social science Research Review *Vol.1, Issue.4, Oct - 2014. Page* 53. (Impact Factor: 0. 348)

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

i) Peer – Reviewed National Journal Publications

S. No.	Authors (*)	Title of the Paper	Journal Details (Journal, Year, Vol., pp)
1	**P. Ramlal** and S Srinivas	"Personal Identification: Tame the TIGERS"	The Management Researcher, Jan – June 2014, Vol. 1, Issue: 1, Pg. No. 28-35
2	**G.Sunitha**	"A Sudy on micro finance jinx and its remedies in Andhrapradesh"	Galaxy International Interdisciplinary Research Journal, Vol. 3, Issue 2, Feb 2015 ISSN. 2347-6915

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4.0 ADMINISTRATIVE AND STATUTAORY BODIES AND OTHER COMMITTEES

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MHRD, Govt. of India, Shastri Bhavan,
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Vijayawada

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Industrialist, 76, Surya Enclave,
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Prof. RLN Sai Prasad (From 01.07.2014)
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National Institute of Technology,
WARANGAL.

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4.4 SENATE

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K. Ramesh

Biotechnology
P. Nageswara Rao (Head I/c)

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

Physics
K. Srimannarayana (Rtd. on 31.08.14)
G. Ramachandra Reddy (Lien)
A. Ramachandra Reddy (Rtd. on 31.03.15)
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 (Rtd. on 31.07.2014)
V.Rajeswara Rao

Humanities & Social Sciences
D.S. Kesava Rao

SOM
M. Ravinder Reddy (upto 30.06.14)
K. Padma (from 01.07.14)

4.5 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. G.V.S. Nageswara Rao -- 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. A. Ramachandra Reddy, Registrar I/c.	- Member
3. Prof. M.Sydulu, Dean (FA)	- Member
4. Prof. G.Radhakrishnamacharya, Prof. I/c. Legal Cell	- Member
5. Prof. S.Srinivasa Rao, Dean (SW)	- Member
6. Dr. D. Srinivasacharya, Chief Warden	- Convener
Warden Representatives:	
1. Dr. Debashish Dutta, Dy.Chief Warden	-Member
2. Dr. S. Srinath, Dy.Chief Warden	- Member
3. Dr. B. Lakshmi, Dy.Chief Warden	- Member
Student Representatives:	
1. Mr. Manoj Kumar, Student Council President	- Member
2. Ms. Arti Sengar, LH Representative	-Member
Special Invitees:	
1. Prof. R.L.N.Sai Prasad, Dean (P & D)	- Member
2. Dr. M. Heera Lal, Faculty I/c. P.E. Unit	- Member
3. Dr. K.Thirupathi Reddy, Medical Officer	- Member

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

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	...	Members
4. Two Assistant Professors (By rotation for two years)	...	Members

Note:

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

Functions:

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

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

1. Head of the Department	...	Chairman
2. Two Professors of the Department (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

GRIEVANCES COMMITTEE

Prof. G.V.P. Chandramouli (upto 30.6.2014)	**Chairman**
Prof. M. Sydulu (From 1.07.2014)	**Chairman**

LIBRARY ADVISORY COMMITTEE

Prof. P. Nageshwara Rao,	Chairman	upto 08-10-2014
Prof. K. Laxma Reddy,	Chairman	from 09-10-2014

Sl. No.	Name	Designation	Member	Period
1)	Dr. K.V.R. Ravi Shankar	Asst. Prof.	Member	01-04-2014 to 31-03-2015
2)	Dr. M. Sydulu	Professor	Member	01-04-2014 to 06-07-2014
	Prof. Bhagwan K. Murthy	Professor	Member	05-07-2014 to 31-03-2015
3)	Prof. S.G. Sanjeevi	Professor	Member	01-04-2014 to 13-08-2014
	Dr. R.B.V. Subrahmanyam	Assoc. Prof.	Member	14-08-2014 to 31-03-2015
4)	Sri. K. Ravi Kishore	Assoc. Prof.	Member	01-04-2014 to 31-03-2015
5)	Dr. K. Venugopal Reddy	Assoc. Prof.	Member	01-04-2014 to 31-03-2015
6)	Dr. T. Sunil Kumar	Assoc. Prof.	Member	01-04-2014 to 04-07-2014
	Dr. S. Vidya Sagar	Asst. Prof.	Member	05-07-2014 to 31-03-2015
7)	Dr. M.J. Davidson	Asst. Prof.	Member	01-04-2014 to 31-03-2015
8)	Dr. C. Vanitha	Asst. Prof.	Member	01-04-2014 to 31-03-2015
9)	Dr. V. Kohila	Asst. Prof.	Member	01-04-2014 to 31-03-2015
10)	Dr. A. Benarji Babu	Asst. Prof.	Member	01-04-2014 to 08-10-2014
	Dr. P. Muttu	Asst. Prof.	Member	09-10-2014 to 31-03-2015
11)	Dr. Venkatathri Narayanan	Asst. Prof.	Member	01-04-2014 to 31-03-2015
12)	Dr. Rajavishwanathan	Asst. Prof.	Member	01-04-2014 to 31-03-2015
13)	Dr. K. Francis Sudhakar	Asst. Prof.	Member	01-04-2014 to 31-03-2015
14)	Sri R. Sammi Reddy	Librarian	Member	01-04-2014 to 31-03-2015

OBC CELL

Dr. D. Dinkar	**Coordinator**

DISPENSARY COMMITTEE

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

ACCOMMODATION COMMITTEE

Prof. G.V.P. Chandramouli (upto 30.6.2014)	**Chairman**
Prof. M. Sydulu (From 1.07.2014)	**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**

5.0 ACADEMIC PROGRAMMES AND RELATED DETAILS

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

5.1 Programmes Offered

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

5.2 B.Tech year wise Enrolment with Sex, Social justice and Category wise Break-up

a) 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			SC			ST			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	726	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

b) UG B.Tech. 2014-2015

Name of the Course	Total No. of Students (all years)			Out of Total No. of students shown in col. (2) & (3)																	
				Open			OBC			SC			ST			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	612	224	836	218	103	321	164	57	221	74	33	107	46	8	54	20	2	22	90	21	111
II Year	662	179	841	236	85	321	168	43	211	89	19	108	41	7	48	24	3	27	104	22	126
III Year	694	118	812	290	47	337	164	26	190	85	11	96	46	6	52	7	4	11	102	24	126
IV Year	644	164	808	261	78	339	158	46	204	81	16	97	43	7	50	17	2	19	84	15	99
Total	2612	685	3297	1005	313	1318	654	172	826	329	79	408	176	28	204	68	11	79	380	82	462

c) Students on rolls B.Tech. (Class-wise & Branch – wise) during 2014-2015

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	25	14	39	29	11	40	35	5	40	39	8	47	166
2. B.C	23	9	32	21	6	27	26	4	30	19	3	22	111
3. S.C	10	4	14	14		14	9	1	10	8	1	9	47
4. S.T	4	2	6	3	2	5	5		5	3	2	5	21
Total	62	29	91	67	19	86	75	10	85	69	14	83	345
II Electrical & Electronics Engineering													
1. Open	28	24	52	36	17	53	37	8	45	34	12	46	196
2. B.C	24	8	32	25	3	28	22	4	26	4	22	26	112
3. S.C	11	5	16	14	4	18	9	4	13	12	1	13	60
4. S.T	8	1	9	8	1	9	6	1	7	4	2	6	31
Total	71	38	109	83	25	108	74	17	91	54	37	91	399
III Mechanical Engineering													
1. Open	46	2	48	44	2	46	48		48	45	2	47	189
2. B.C	37	1	38	36		36	27		27	28	1	29	130
3. S.C	14	2	16	18		18	12		12	14		14	60
4. S.T	7	1	8	7	1	8	7		7	7		7	30
Total	104	6	110	105	3	108	94	0	94	94	3	97	409
IV. Electronics & Communication Engineering													
1. Open	41	15	56	37	13	50	50	8	58	37	14	51	215
2. B.C	22	8	30	18	13	31	21	4	25	31	5	36	122
3. S.C	9	7	16	14	2	16	15	2	17	13	2	15	64
4. S.T	8	1	9	6	2	8	7	1	8	7	0	7	32
Total	80	31	111	75	30	105	93	15	108	88	21	109	433
V. Metallurgical & Materials Engineering													
1. Open	17	3	20	21	6	27	21	4	25	20	7	27	99
2. B.C	11	4	15	15	1	16	13	3	16	18	0	18	65
3. S.C	8	3	11	5	3	8	6	1	7	6	2	8	34
4. S.T	4	1	5	1	1	2	6	1	7	3	1	4	18
Total	40	11	51	42	11	53	46	9	55	47	10	57	216
VI. Chemical Engineering													
1. Open	18	21	39	24	13	37	37	10	47	30	13	43	166
2. B.C	18	8	26	19	8	27	16	3	19	20	3	23	95
3. S.C	7	6	13	9	3	12	9	1	10	8	5	13	48
4. S.T	6	1	7	3	2	5	5	2	7	7	1	8	27
Total	49	36	85	55	26	81	67	16	83	65	22	87	336
VII. Computer Science & Engineering													
1. Open	40	13	53	38	14	52	46	7	53	42	12	54	212
2. B.C	23	11	34	31	4	35	29	3	32	30	6	36	137
3. S.C	14	2	16	17		17	12	2	14	8	3	11	58
4. S.T	7	1	8	7		7	7		7	6		6	28
Total	84	27	111	93	18	111	94	12	106	86	21	107	435
VIII. Bio-Technology													
1. Open	12	11	23	15	10	25	19	8	27	21	12	33	108
2. B.C	12	9	21	10	8	18	13	5	18	16	6	22	79
3. S.C	5	5	10	6	4	10	13	1	14	12	2	14	48
4. S.T	3		3	3		3	4	1	5	8	1	9	20
Total	32	25	57	34	22	56	49	15	64	57	21	78	255

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	227	103	330	244	86	330	293	50	343	268	80	348	1032	319	1351
2. B.C	170	58	228	175	43	218	167	26	193	166	46	212	678	173	851
3. S.C	78	34	112	97	16	113	85	12	97	81	16	97	341	78	419
4. S.T	47	8	55	38	9	47	47	6	53	45	7	52	177	30	207
Total	522	203	725	554	154	708	592	94	686	560	149	709	2228	600	2828

Student's Total Strength in UG Programmes: 2828

d) Admission Statistics – B. Tech Branch wise

Sl.No.	Branch	Duration	Sanctioned Intake	Actual Enrolment	
				Indians	Foreigners
1	Civil Engineering	4 Years	92	91	22
2	Electrical & Electronics Engineering	4 Years	108	109	22
3	Mechanical Engineering	4 Years	108	110	21
4	Electronics & Communication Engineering	4 Years	108	111	28
5	Metallurgical and Materials Engineering	4 Years	62	51	0
6	Chemical Engineering	4 Years	92	85	12
7	Computer Science & Engineering	4 Years	108	111	25
8	Bio-Technology	4 Years	62	57	2
Total			740	725	132

e) PG: M.Tech and M.Sc Branch wise M.C.A, M.B.A, M.Sc Tech 2014-15 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	25	9	3	12	7	0	7	3	1	4	2	0	2	0	0	0			0	4	0	4	25	4	29
2	Geo-Technical Engineering	25	7	5	12	3	3	6	2	1	3	1	0	1	1		1			0			0	14	9	23
3	Transportation Engineering	26	11	2	13	6	2	8	3	1	4	1	0	1			0			0	1		1	22	5	27
4	Water Resource Engineering	25	8	4	12	3	3	6	2	2	4	1	0	1			0			0			0	14	9	23
5	Remote Sensing & GIS	25	7	5	12	5	2	7	3	1	4	1	1	2			0			0	2	0	2	18	9	27
6	Environmental Engg.	25	7	5	12	5	1	6	3	1	4	1	1	2		1	1			0	1	0	1	17	9	26
7	Construction Techniques & Management	25	9	3	12	5	1	6	3	0	3	2	0	2			0			0	2		2	21	4	25
8	Power Electronics & Drives	38	17	2	19	10	0	10	4	1	5	3	0	3	1	0	1			0			0	35	3	38
9	Power Systems Engg.	38	16	2	18	9	1	10	6	0	6	3	0	3	0	0	0			0	2	0	2	36	3	39
10	Thermal Engineering	18	6	1	7	5	0	5	2	0	2	1	0	1			0			0			0	14	1	15
11	Manufacturing Engineering	18	9	0	9	5	0	5	2	1	3	0	0	0			0			0			0	16	1	17
12	Computer Integrated Manufacturing	17	7	2	9	3	1	4	2	0	2	1	0	1	1		1			0			0	14	3	17
13	Machine Design	18	8	0	8	5	0	5	3	0	3	0	0	0			0			0			0	16	0	16
14	Automobile Engineering	17	8	1	9	4	0	4	3	0	3	1	0	1			0			0			0	16	1	17
15	Materials and Systems Engineering Design	12	4	2	6	3	0	3	2	0	2	0	0	0			0	2		2			0	11	2	13
16	Additive Manufacturing	10	5	0	5	2	0	2	1	1	2	1	0	1										9	1	10
17	Electronics Instrumentation	21	8	2	10	5	1	6	4	0	4	1	0	1			0			0			0	18	3	21
18	VLSI System Design.	19	8	1	9	3	2	5	2	1	3	2	0	2			0			0			0	15	4	19
19	Advanced Communication Systems	24	10	2	12	4	1	5	2	1	3	2		2	1		1			0			0	19	4	23
20	Industrial Metallurgy	20	10	0	10	5	1	6	3	0	3	1	0	1			0			0			0	19	1	20
21	Materials Technology	24	11	1	12	4	1	5	1	0	1	1	0	1			0			0			0	17	2	19
22	Chemical Engineering	20	6	4	10	2	2	4	3	0	3			0			0			0			0	11	6	17
23	Computer Science and Engineering	20	8	1	9	4	1	5	2	1	3	0	1	1			0			0	1		1	15	4	19
24	Computer Science & Information Security	20	5	4	9	5	1	6	2	1	3			0	1		1			0	1		1	14	6	20
	Total	530	204	52	256	112	24	136	63	14	77	26	3	29	5	1	6	2	0	2	14	0	14	426	94	520
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	4	8	12	3	3	6	1	2	3	0		0	0		0			0			0	8	13	21
2	M Sc. Mathematics (Mathematics and Scientific Computing)	24	4	7	11	2	3	5	0	1	1	0	0	0	0	0	0			0			0	6	11	17
3	M.Sc. Tech. Engineering Physics	48	14	8	22	3	0	3	0	0	0	0		0	0		0			0			0	17	8	25
4	M.Sc. Chemistry (Organic Chemistry)	24	8	4	12	2	3	5	1	3	4	0	0	0	0		0			0			0	11	10	21
5	M.Sc. Chemistry (Analytical Chemistry)	24	6	6	12	3	3	6	0	1	1	0		0	0		0			0			0	9	10	19
	Total	144	36	33	69	13	12	25	2	7	9	0	0	0	0	0	0	0	0	0	0	0	0	51	52	103
1	Master in Computer Applications	46	12	10	22	9	3	12	5	2	7	2	1	3	0	1	1			0			0	28	17	45
1	Master of Business Administration	62	17	16	33	5	5	10	0	4	4	0	1	1	1	0	1			0			0	23	26	49
	Grand Total	782	269	111	380	139	44	183	70	27	97	28	5	33	6	2	8	2	0	2	14	0	14	528	189	717

f) Total Enrollment for the year 2014-2015 (PG Courses)

	Open			OBC			SC			ST			PH			Sponsored/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	269	111	380	139	44	183	70	27	97	28	5	33	6	2	8	16	0	16	528	189	717
III-Semester	280	112	392	121	45	166	59	29	88	32	5	37	7	1	8	5	0	5	504	192	696
V- Semester	18	15	33	10	4	14	7	0	7	2	2	4	1	0	1	0	0	0	38	21	59
Grand Total	567	238	805	270	93	363	136	56	192	62	12	74	14	3	17	21	0	21	1070	402	1472

Student's Total Strength in PG Programmes: 1472

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



एनबिए टीम का दौरा हॉस्टल के लिए

NBA Team visit to Hostels



एनबिए टीम का दौरा संस्थान के फूड कोर्ट के लिए

NBA Team visit to Institute Food Court



एनबिए टीम का दौरा लाइब्रेरी के लिए

NBA Team visit to Library

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	

Nationality-Wise Distribution of Foreign Students in B.Tech (First to Final Year)- 2014-2015

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	DASA
		1		1	SPDC
2	Afghanistan	2		2	ICCR
3	Australia	2		2	DASA
4	Bahamas	1		1	DASA
5	Bangladesh	2		2	DASA
		10	1	11	ICCR
		2		2	MEA (SFC)
6	Behraen	2	2	4	DASA
		1		1	MEA
		1		1	SPDC
7	Bhutan	24	7	31	ICCR
		2		2	MEA
8	Botswana	2		2	ICCR
9	Brazil	1		1	MEA (SFC)
10	Britain	1		1	DASA
11	Colombo	1		1	DASA
		1		1	SPDC
12	Dubai	13	2	15	DASA
		1		1	SPDC
13	Ethupia	2		2	ICCR
14	Fiji	3		3	ICCR
15	Germany	1		1	MEA
16	Guinea	1		1	DASA
17	Indonesia	1		1	ICCR
18	Jeddah	1		1	DASA
19	Jeneva	1		1	MEA
20	Kenya	1		1	DASA
		7	2	9	ICCR
21	Kuwait	21	13	34	DASA
		1		1	MEA (SFC)
			1	1	SPDC
22	Mauritious	2	2	4	ICCR
23	Moscow	1		1	MEA
24	Mozambique	8	5	13	ICCR
25	Muscat	3	1	4	DASA
		1		1	MEA (SFC)
26	Myanmar		1	1	MEA (SFC)
27	Nepal	98	3	101	DASA

28	Nigeria	2		2	DASA
			1	1	ICCR
29	Oman	10	4	14	DASA
		2	1	3	SPDC
30	Qatar	21	4	25	DASA
		1	1	2	SPDC
31	Riyad	6		6	DASA
32	Santiago	1		1	MEA
33	Saudi Arabia	24	2	26	DASA
		1		1	MEA (SFC)
		5	2	7	SPDC
		1		1	MEA
34	Senegal	1		1	MEA (SFC)
35	South Africa	1		1	ICCR
36	Srilanka	7	4	11	ICCR
		1		1	MEA
		5	1	6	SPDC
		4		4	MEA (SFC)
37	Tanzania	1		1	DASA
		7		7	ICCR
38	Thailand	1	1	2	DASA
39	Thashkent	1		1	MEA (SFC)
40	Timor	2		2	ICCR
41	U A E	43	10	53	DASA
		2	2	4	SPDC
42	U S A	14	10	24	DASA
		5		5	SPDC
43	Uganda	2		2	DASA
		1		1	ICCR
44	U K	1		1	DASA
		1		1	MEA (SFC)
45	Uzbekistan	1		1	ICCR
46	Vietnam	1		1	DASA
		1		1	ICCR
47	Yemen	1		1	ICCR
48	Zambia	1	1	2	ICCR

5.3 Total Student Strength in the Institute (2014-2015)

Under Graduate Students	:	3297
Post Graduate Students	:	1472
Ph.D Students	:	380
Total	:	**5149**

5.4 Scholarships / Monetary Assistance (2014-15)

Scholarships Awarded:

S.No.	Name of the scholarships /stipends	No. of Scholar-ships to be awarded	Remarks
1	**Institute Merit Scholarships**	230	₹100/-p.a.+ exemption from payment of Tuition fee for Ist year ₹70,000/- and II, III, IV years ₹35,000/- with Merit Certificate.
TELANGANA STATE			
2	***SC Scholarships***	SC, ST, BC, EBC, Minority and OC Disabled (PH) Category students are applying online for scholarships and hence the exact no. of scholarships to be awarded by the Telangana State are not known	
a)	B.Tech P.G.Students :		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)		₹ 550/- P.M and reimbursement of Tuition Fee for Day Scholars.
3	**ST Scholarships**		
a)	B.Tech P.G.Students :		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 :		₹550/- PM and reimbursement of Tuition Fee for Day Scholars.
4	**BC Scholarships**		
a)	B.Tech P.G.Students :		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 :		₹429/- PM and reimbursement of Tuition Fee for Day Scholars.
5	***EBC SCHOLARSHIPS***		
a)	B.Tech P.G.Students :		Reimbursement of Tuition Fee UG and PG Students
6	**OC (Disabled) PH Scholarships**	SC, ST, BC, EBC, Minority and OC Disabled (PH) Category students are applying online for scholarships and hence the exact no. of scholarships to be awarded by the Telangana State are not known	
a)	B.Tech P.G.Students :		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 :		₹429/- P.M and reimbursement of Tuition Fee for Day Scholars.
7	**Minority Scholarships**		
a)	B.Tech P.G.Students :		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 :		₹429/- P.M and reimbursement of Tuition Fee for Day Scholars.

State-Wise Scholarships/ Assistance:

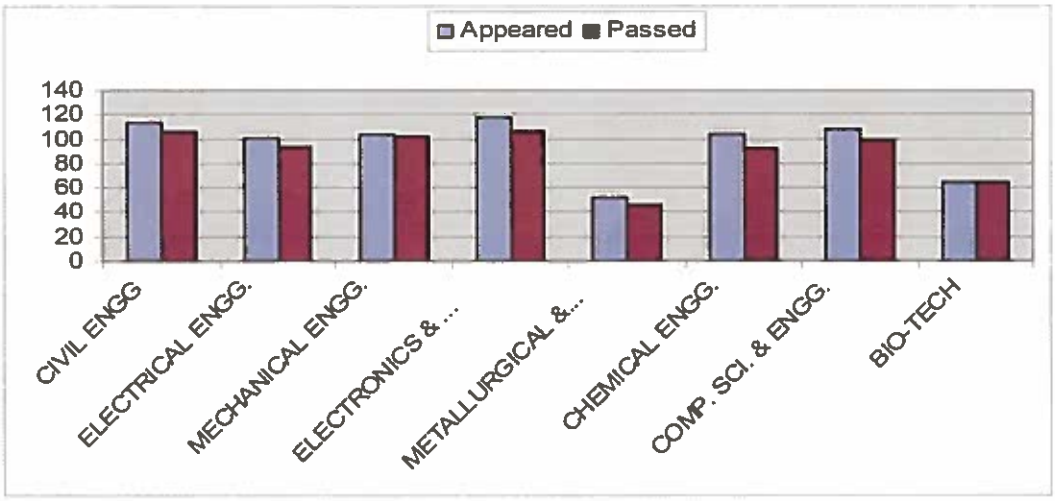
Statement showing the details of various Scholarships, stipends etc. awarded during the year 2014-15:

SL.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	4	40200	40200
2.	Bihar	8	471790	471790
3.	Chhattisgarh	2	40000	40000
4.	Madhya Pradesh	5	134905	134905
5.	Maharashtra	19	153300	153300
6.	Orissa	1	47000	47000
7.	Rajasthan	1	47332	47332
8.	Central Minority	5	277450	277450
		(A) Total	1211977	1211977
B.	*Other Scholarships:*			
9.	*IOCL*	19	522000	522000
10.	*Visakhapatnam Steel Plant*	5	108000	108000
11.	*OPJEMS Scholarships*	3	240000	240000
12.	*NTPC Scholarships*	1	18000	18000
13.	*Central Sector Scholarship*	9	707202	707202
14.	*AIEEE upto 2000 Rank holders*	160	10045000	10045000
15.	*Ministry of Steel Chair Professor Scholarships*	11	1080000	1080000
16.	*ED-CIL (SPDC)*	29	6655115	6655115
17.	*ED-CIL (MEA)*	--	0	0
18.	Indian Council for Cultural Relation Foreign Students	116	7075100	7075100
		(B) Total	26450417	26450417
		(A)+ (B) Grand Total:		27662394

5.5. Examination Results

Examination Results for the B. Tech (Regular) from 01.07.2014 to 30.06.2015

S.NO.	BRANCH	NO. OF STUDENTS APPEARED	PASSED IN FIRST DIV. WITH DISTN.	FIRST DIVISION	SECOND DIVISION	TOTAL	% of Pass
1	CIVIL ENGINEERING	104	30	51	21	102	98.08
2	ELECTRICAL & ELECTRONICS ENGINEERING	111	34	51	24	109	98.20
3	MECHANICAL ENGINEERING	116	30	57	28	115	99.14
4	ELECTRONICS & COMMUNICATION ENGINEERING	127	34	65	28	127	100
5	METALLURGICAL & MATERIALS ENGINEERING	56	12	30	9	51	91.07
6	CHEMICAL ENGINEERING	89	31	34	16	81	91.01
7	COMPUTER SCIENCE & ENGINEERING	131	42	51	36	129	98.47
8	BIO-TECHNOLOGY	82	19	38	20	77	93.90



Top ranks in each of the branches B. Tech (Regular) from 01.07.2014 to 30.06.2015

Sl.No.	Branch	Roll No.	Name of the Student
1.	Civil Engineering	111216	Mr. Evani Sai Kalyan
2.	Electrical & Electronics Engg.	112136	Mr. Prerit Rodney
3.	Mechanical Engg.	113101	Mr. Aakash Sinha
4.	Electronics & Communication Engg.	114219	Mr. Gudisa Nikhilendra
5.	Metallurgical & Materials Engg.	115136	Mr. Mukhedkar Paresh
6.	Chemical Engineering	116230	Mr. Prudhvi Simhadri
7.	Computer Science & Engg.	117206	Ms. Aluguvelli Sindhu
8.	Bio Technology	118142	Ms. M. Shivani Virajitha

Examination Results for PG Courses 1.07.2014 to 30.06.2015

S.NO.	BRANCH	NO. OF STUDENTS APPEARED	PASSED	% OF PASS
	CIVIL ENGINEERING			
1	Engg.Structure	30	21	70.00
2	Geo-Tech.Engg.	27	24	88.89
3	Transportation Engg.	26	22	84.62
4	Water Resource Engg.	24	20	83.33
5	Remote Sensing & GIS	22	18	81.82
6	Construction Technology & Management	26	23	88.46
7	Environmental Engg.	26	18	69.23
	ELECTRICAL ENGINEERING			
1	Power Electronics and Drives	41	27	65.85
2	Power Systems Engg.	36	33	91.67
	MECHANICAL ENGINEERING			
1	Thermal Engg.	20	15	75.00
2	Computer Integrated Manafacturing	18	14	77.78
3	Manufacturing Engg.	17	14	82.35
4	M & SED	10	10	100.00
5	Product Design & Development	20	16	80.00
6	Automobile Engg.	16	16	100.00
	ELECTRONICS & COMUNICATION ENGINEERING			
1	Electronic Instrumentation	22	21	95.45
2	V L S I System Design	19	17	89.47
3	Advanced Communication Systems	24	21	87.50
	METALLURGICAL & MATERIALS ENGINEERING			
1	Industrial Metallurgy	11	11	100.00
2	Materials Technology	22	21	95.45
	CHEMICAL ENGINEERING			
1	Computer Aided Process & Equipment Design	17	17	100.00
	COMPUTER SCIENCE & ENGINEERING			
1	Computer Science & Engineering	19	15	78.95
2	Information Security	19	13	68.42
	M.Sc. CHEMISTRY			
1	Dyes, Drugs Pharm.Pesticides	21	18	85.71
2	Modern Methods of Chemical Analysis	18	17	94.44
	M.Sc. MATHEMATICS			
1	Applied Mathematics	14	14	100.00
2	Maths & Scientific Computing	-	-	-
	M.Sc.(TECH) ENGINEERING PHYSICS			
1	Electrtonics	4	4	100.00
2	Photonics	10	10	100.00
	MASTER OF BUSINESS ADMINISTRATION			
1	M.B.A.	54	54	100.00
	MASTER OF COMPUTER APPLICATIONS			
1	M.C.A.	42	30	71.43

6.0 CONCESSIONS FOR SCs, STs, HANDICAPPED STUDENTS

6.1 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.

6.2 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.

7.0 RESEARCH AND DEVELOPMENT ACTIVITIES

7.1 RESEARCH GUIDANCE

CIVIL ENGINEERING DEPARTMENT

A. Completed

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1.	Anoop CK	Dr. E Venkata Rathnam and Dr.K.V. Jayakumar	Full time	CWRDM-DST fellowship	A Study of Environmental Stable Istotopes, Physico-Chemical Water Quality Parameters and Urban Lake-Groundwater Interaction

B. Working

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1.	Y. Navatha	Dr. K. Venkata Reddy Dr. Deva Pratap	Part-time	--	Planning & Design of Infrastructural Facilities in Rural Areas using 3D GIS & Remote Sensing Techniques
2.	T. Reshma	Dr. K. Venkata Reddy Dr. Deva Pratap	Full-time	Institute	Real Time Forecasting of Flow Parameters of a Watershed Using Advanced Soft Computing Techniques, Remote Sensing and GIS
3.	D. Uday Chander	Dr. CSRK Prasad	Part-time	Institute	Integration of Master Transportation Systems in Urban Areas
4.	Sarath C. Pillamarri	Dr. CSRK Prasad	Part-time	Institute	Optimal Modal Share for Public Transportation in Urban Areas
5.	V Mahalakshmi Naidu	Dr. CSRK Prasad	Part-time	Institute	Development of Trip Generation Models
6.	M. Anil	Dr.CSRK Prasad	Full-time	Institute	Development of GIS based Urban Transportation System
7.	Mahaboob Peera	Dr.CSRK Prasad	Full-time	Institute	Traffic Accident Prediction Models for a city
8.	Prashanth Shekar Lokku	Dr.CSRK Prasad	Full-time	Institute	Transit oriented development
9.	Syed Mubashir Hussain	Dr.Venkaiah Chowdary	Full-time	Institute	Permanent deformation in asphalt mixtures
10.	T Arjun Kumar	Dr.Venkaiah Chowdary	Full-time	Institute	Mechanical response characteristics of aged bituminous binders and mixtures blended additives
11.	Utsav Vishal	Dr.Venkaiah Chowdary	Full-time	Institute	Moisture induced damage in asphalt mixtures
12.	Adiya Kamineni	Dr.Venkaiah Chowdary	Full-time	Institute	Study of traffic noise in urban roads
13.	D. Abhigna	Dr.K.V.R. Ravi Shankar	Full-time	Institute	Capacity analysis in mixed traffic conditions
14.	J. Jaya Krishna	Dr.KVR Ravi Shankar	Full-time	Institute	Signal coordination planning using simulation tools
15.	D. Harinder	Dr.S. Shankar	Full time	Institute	Use of geosynthetics in pavements construction
16.	S Eswar	Dr.KVR Ravi Shankar	Full-time	Institute	Pedestrian behavioral analysis in Terminals
17.	S. Srikanth	Dr.Arpan Mehar	Full-time	Institute	Traffic flow behavior on multilane highways
18.	P. V. Koteswara Rao	Dr.P. Hari Krishna	Full time	MHRD	Soil Structure interaction analysis of pile supported building frame subjected to axial and lateral loading.
19.	Y. Sudheer Kumar	Dr.P. Hari Krishna	Full time	MHRD	A study on Suitability of locally available geomaterials as a compacted clay liner.

20.	N. Venkatesh	Dr.M. Heeralal Rakesh J. Pillai	Full time	MHRD	Effect of nonlinear behavior of granular materials on pavements
21.	Pasham Anusha	Dr.M.V.N. Sivakumar	Full time	Institute	Seismic Performance Assessment using Incremental Dynamic Analysis Based Fragility Curves
22.	K. Praveen	Dr.S Venkateswara Rao	Full time	Institute	Shear Behaviour of steel fiber reinforced self compacting concrete
23.	KJN Sai Nitesh	Dr.S Venkateswara Rao	Full time	Institute	Flexural Fatigue properties of Fiber Reinforced self compacting & normal concrete
24.	V.V. Praveen Kumar	Dr.D. Ravi Prasad	Full time	Institute	Study on concrete using Lime sludge as replacement of cement
25.	K. Srikanth	Dr.D. Ravi Prasad	Full time	Institute	First semester Course work completed
26.	Sudhakar. M	Dr.Rama Seshu.D	Part time	--	Engineered FRC
27.	G.T.L. Priyanka	Dr.T.P. Tezeswi	Full time	Institute	Multiscale characterization of thermo-mechanical response of functionally graded polymer composites
28.	Harsha Praneeth	Dr.T.P.Tezeswi & Dr.K. Gopi Krishna	Full time	Institute	Multiscale characterization of thermal properties of reinforced concrete
29.	S. Rakesh	Dr.P. Rathish Kumar	Full time	Institute	Bond Behaviour of Self Compacting Concrete
30.	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)
31.	M. Sriram Chand	Dr.P.Rathish Kumar	Full time	Institute	A study on strength and durability aspects of Self Curing Self Compacting Concrete
32.	K. Ramani	Dr.N V. Umamahesh	Part-time	---	Optimal Design of Water Distribution Networks for Intermittent Systems
33.	K. Leela Krishna	Dr.N V. Umamahesh	Part-time	---	Operation of Multi Purpose Multi Reservoir System
34.	G. Rajamouli	Dr.N V. Umamahesh	Part-time	---	Planning and Operation of an Irrigation System under deficit conditions
35.	V Naveen Reddy Pothula	Dr.N V. Umamahesh	Full time	Institute	Impact of Climate Change on Water Resources of Pennar Basin
36.	Jew Das	Dr N V. Umamahesh	Full time	Institute	Impact of Climate Change on Water Resources of Godavari Basin
37.	Vinay A Rangari	Dr.N V Umamahesh & Ajey Kumar Patel	Full-time	ITRA Project	Hydrologic Modelling of Urban Floods
38.	V. Agilan	Dr.N V. Umamahesh	Full-time	ITRA Project	Modelling Non-stationarity in urban area extreme rainfall characteristics
39.	N. Ruben	Dr.E.Venkata Rathnam	Full time	Institute	Hydraulic transients in pumping mains
40.	V. Sai Kumar	Dr.P. Hari Prasad Reddy	Part-time	---	Evaluation and Control of Engineering Properties of Soils Interacted with Chemical Pollutants
41.	Ch. Rama Vara Prasad	Dr.P. Hari Prasad Reddy	Full time	DST	Acid Induced Heave in Soils and Control Measures
42.	P. Shirisha	Dr.K. Venkata Reddy Dr.Deva Pratap	Full-time	DST	Development of precise and Real Time simulation watershed modeling system using advanced geospatial and soft computing methods
43.	P. Naga Sowjanya	Dr.K.Venkata Reddy Dr.M. Shashi	Full time	Institute	Climate change impact on Water Resources of a River Basin using the integrated frame work of climate change models with Hydrological models
44.	P.S.N. Ratna Giri	Dr.G.Rajesh Kumar	Full time	Institute	Stress strain behaviour of self curing self compacting concrete
45.	G. Mallikarjuna Rao	Dr.T.D. Gunneswara Rao	Full time	Institute	Strength and Durability characteristics of geopolymer concrete

46.	K. Hanuma	Dr.C.B.Kameswara Rao	Full time	Institute	Characterization of GFRC concrete with graded fibers
47.	T. Chaitanya Sri Krishna	Dr T.D Gunneswara Rao	Full time	Institute	Reliability of wrapped RC beams under Torsion Load
48.	M. Venu	Dr.TD.Gunneswara Rao	Full time	Institute	Retrofitting of U-wrapped RC beams

ELECTRICAL ENGINEERING DEPARTMENT

A. Completed

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	SVNL Lalitha (700736)	Prof. M. Sydulu	Part-Time	Part-Time	Effective Transmission Pricing Schemes In Deregulated Environment Using Direct and Bio-Inspired Techniques
2	B. Nagu	Prof. M. Sydulu	Part-Time	Faculty of EED, NITW	Enhancement of AC-DC system stability using AI based HVDC controllers
3	M.Murali (701004)	Prof. M. Sydulu (Co-guide) Dr.Sailaja Kumari.M	Full-Time	Institute	Transmission Pricing in Pool and Transaction Based Power Markets using Game Theory and Heuristic Techniques
4	Chandrasekhar Yammani (700954)	Prof. M. Sydulu Dr. Sailaja Kumari. M	Part-Time	Faculty of EED, NITW	Multi-Objective Optimal Placement and Sizing of Distributed Generators using Meta-Heuristic Techniques
5	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
6	S.P. Selvi	Dr. N. Vishwanathan	Part-Time	Faculty in the Dept.	Development of Dual Frequency Inverter Configurations for Induction Hardening Application
7	P.Sharath Kumar	Dr. N. Vishwanathan, Dr. Bhagwan K. Murthy	Full Time	Institute Fellowship	High Frequency Resonant Inverters for Multiple-Load Induction Cooking Application
8	R S Dhekekar	Dr. N.V. Srikanth	Full Time	No Sponsored	Reactive Power control of Transmission Lines with Harmonic minimization using novel controls and topologies of shunt FACTS Devices
9	D. Harikrishna	Dr. N.V. Srikanth	Full Time	Yes	Enhancement of Dynamic and Transient Stability of Power systems using Fuzzy and ANN controlled FACTS
10	T. Vinay Kumar	Dr. S. Srinivasa Rao	Full Time	Institute Fellowship	Reduction of Torque and Flux Ripple in Direct Torque Controlled Induction Motor Drive
11	M. Ajay Kumar	Dr. N.V. Srikanth	Full Time	Yes	Intelligent controlled HVDC and MTDC transmission systems for offshore wind farm to the onshore AC grid integration
12	B. Vijay Kumar	Dr. N.V. Srikanth	Full Time	Yes	Enhancement of power system stability with optimal locations and sizing of FACTS in AC-DC Systems.

B. Working

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	Mr. T. Praveen Kumar	Prof.M.sydulu (Co-guide) Dr.N.Subrahmanyam	Fulltime	Institute	
2	Mrs. D. Sudha Rani	Prof.M.sydulu (Co-guide) Dr.N.Subrahmanyam	Fulltime	Institute	

3	Mr. Rakesh Chandra	Prof.M.sydulu (Co-guide) Dr.M.Sailaja Kumari	Fulltime	Institute	-
4	Mr. B. KiranBabu	Prof.M.sydulu	Fulltime	Institute	-
5	Sachidananda Prasad	Dr.D.M. Vinod Kumar	Full -Time	With Fellowship	Distribution State Estimation
6	Kiran Teeparthi	Dr.D.M. Vinod Kumar	Full Time	With Fellowship	Power System Security
7	B R K Varama	Prof. D V S S Siva Sarma	Part-time	-	Transient analysis in teed & multi teed transmission systems
8	N Rama Devi	Prof. D V S S Siva Sarma	Part-time	-	Condition monitoring of Stator inter-turn faults
9	G Sunil Kumar	Prof. D V S S Siva Sarma	Part-time	-	Impedance modeling of power system harmonics
10	O V S R Varaprasad	Prof. D V S S Siva Sarma	Fulltime	MHRD	Advanced Techniques in Power system harmonics analysis & control
11	D. Vijaya Bhaskar	Dr. N. Vishwanathan	Part Time		Working in Induction Heating Applications
12	P. Srinivasan	Dr. N.V. Srikanth, Dr. B. L. Narashimha Raju	Part Time	Faculty of EED, NITW	Voltage Source inverter topologies and controls for an open end winding Induction Motor
13	M. Vishnu Prasad	Dr. S. Srinivasa Rao	Full Time	Institute Fellowship	Predictive Torque Control of Induction Motor Drive
14	B. Anil Kumar	Dr. S. Srinivasa Rao	Full Time	Institute Fellowship	Power Quality Improvement in Grid Connected Solar Systems
15	V Venkataramana	Dr. Ch Venkaiah	Full Time	Institute Fellowship	Yet to Finalize
16	B Durga Harikiran	Dr. Sailaja Kumari. M	Full time	Institute fellow	Ancilary Services Management in Deregulated power markets
17	Meka Kalyan Chakravarthi	Dr. A.V.Giridhar, Prof. D.V.S.S. Siva Sarma	Fulltime	MHRD	Condition monitoring of Power transformers
18	N V Phanendrababu	Dr P Suresh Babu Prof. D V S S Siva Sarma	Fulltime	Institute	
19	Saptarshi Roy	Dr P Suresh Babu	Fulltime	Institute	
20	Ramsha K.	Dr. Sachin Jain Prof.V.T. Somasekhar	Fulltime	TA	PWM Techniques for OEWIM for three phase and five phase pump drive
21	Ch. Ramulu	Dr. Sachin Jain	Part Time	NA	PWM Techniques for OEWIM for three phase drive
22	S. Venu	Dr. Sachin Jain	Fulltime	TA	Multi-level inverter grid tied PV systems
23	Vijay Babu K	Dr.Narasimharaju B L Prof.D.M Vinod Kumar	Fulltime	MHRD	Renewable Energy Integration issues in Distributed Generation System (Tentative)
24	U. Ramanjeneya Reddy	Dr.Narasimharaju B L	Fulltime	MHRD	Improved Converter Topologies (Tentative)
25	Mr. Jammy Ramesh Rahul	Dr. A. Kirubakaran	Full Time	Institute	Design and Development of High Efficient Power Electronic Interface for PV/FC Based Distributed Generation
26	M. Hareesh	Dr. G Siva Kumar	Full time	Institute Scholar - MHRD	Power Quality improvement by DSTATCOM
27	Mahanandeswara Goud	Dr. D Sreenivasa rao	Full time	MHRD	Multilevel inverters
28	Hari Priya V	Dr. D Sreenivasa rao	Full time	MHRD	Power Quality
29	Ratna Rahul Tupakula	Dr. P. Chandrasekhar	Full Time	MHRD	Intelligent control of Single Phase Grid Connected Inverters

MECHANICAL ENGINEERING DEPARTMENT

A. Completed

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	Ramachander G. Desavale	Prof. R V Chalam	Part time	No	Theoretical and Experimental Study of Vibrations Produced by Single and Multiple Defects in Rotor Bearing Systems Using Experimental Data Based
2	Mr.Ashok J.Keche	Dr.G.Amba Prasad Rao	Part time	---	Modeling and experimental studies on improvised biomass gasifier with three different fuels.
3	Anirudh nikhalge	Dr. A.kumar, Prof.K.V.Sai Srinadh	Full time	QIP	Optimization of parameters for EDM, for steel and Ti alloys
4	Shrikant D. Londhe	Prof. C. Gururaja Rao	Full time	QIP	Conjugate Mixed Convection with Surface Radiation from Uniformly and Discretely Heated Vertical Channels
5	Yamala Murali Krishna	Prof. C. Gururaja Rao	Full time	Institute	Conjugate Mixed Convection with Surface Radiation from a Vertical Plate with Multiple Non-Identical Flush-Mounted Discrete Heat Sources
6	Shah Abhijeet Prakash	Prof. C. Gururaja Rao	Full time	QIP	Conjugate Mixed Convection with Surface Radiation from a Vertical Channel with Multiple Non-Identical Flush-Mounted Discrete Heat Sources in the Left Wall
7	Ch Hari Krishna	Dr. M J Davidson	Part time	---	Experimental And Finite Element Investigations On Formability Of AA2014 Billets Under Simple Upsetting
8	L. Suvarna Raju	Dr. A. Kumar	Part time	---	Characterization of friction stir welded copper and copper surface composites
9	A Devaraj	Dr. A Kumar	Full time	Institute	Fabrication and Characterization of 6061-T6 Aluminum alloy Surface Composites by Friction Stir Processing
10	Kishor Kumar K	P. Bangaru Babu	Part Time	--	Damping Studies on sandwich structures with viscoelastic layers

B. Working

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	Mr. T. Karthikeya Sharma	Dr. G. Amba Prasad Rao & Dr. K. Madhu Murthy	Full-time	Institute	Parametric studies on performance and emission strategies of a HCCI Engine (Synopsis submitted)
2	Ms. R. Sindhu	Dr. G. Amba Prasad Rao & Dr. K. Madhu Murthy	Full-time	Institute	*Broad Area*: IC Engines
3	Mr. R. Yogananda Reddy	Dr. K. Madhu Murthy	Part-time	No	*Broad Area*: Actuator Systems
4	Ms. P. Sunitha	Dr. K. Madhu Murthy	Part-time	No	*Broad Area*: Solid Propellants
5	Katam Ganesh Babu	Dr.A.Veeresh Babu	Full time	TEQIP-COE	Performance improvement of Diesel engine by using Biofuels with EGR system and Additives
6	M. VijayKumar	Dr. A.Veeresh Babu &Dr.Puli Ravi Kumar	Full time	Institute	Application of Additives in Biodiesel

7	Ganesh Segoji Warkhade	Dr.A.Veeresh Babu	Full time	QIP	Alternate fuels
8	A.Manmadhachary	Dr. Y. Ravi Kumar & Prof. L. Krishnanand	Full-time	Institute	Investigation and correction of Errors at various stages of prosthesis developing for Oral and Maxillofacial surgery using Rapid Prototyping
9	G. Venkatesh	Dr. Y. Ravi Kumar	Full-time	Institute	Experimental Investigation and simulation of conformal cooling channels on Direct Metal Laser Sintering
10	B. Phanindra	Dr. Y. Ravi Kumar & Dr. Asit Kumar Khanra	Full-time	Institute	Design and fabrication of Bio-inspired bone scaffold structures using rapid prototyping
11	M. Santosh Kumar	Dr. Y. Ravi Kumar	Full-time	DST Project	Investigation on Error Identification and Mitigation in Bio-Rapid Prototyping for Oral and Maxillofacial Surgery
12	A. Varun	Dr. N. Venkaiah	Full Time	Institute	Single-Discharge Analysis and Multi Objective Optimization of Wire-EDM using Grey Relational Analysis coupled with Genetic and Firefly Algorithms
13	Mr. M. Sreenivasa Rao	Dr. N. Venkaiah	Full Time	Institute	Experimental Investigations and Modeling of WEDM Process while Machining Nickel based Super Alloys
14	Mr. Sarat Chandra	Dr. N. Venkaiah	Full Time	Institute	Additive Manufacturing
15	Ravi Chandra	Prof. Puli Ravikumar & Dr. Chandra mohan V.P.	Full time	Institute	Experimental analysis of the effects of Turbocharger on the performance and exhaust emissions of 4 cylinder 4 stroke diesel engine fueled with diesel and biodiesel.
16	Mr. Seetharam	Dr. S. Kanmani Subbu, and Dr. Davidson	Full Time	Institute	Formability studies on powder metallurgical components
17	G.Uma Maheswararao	Dr. D. Jaya Krishna	Fulltime	Institute	Utilization of solar energy for cooking applications
18	T. Narasimha Suri	Dr. D. Jaya Krishna	Fulltime	Institute	Heat line visualization in 2D complex geometries
19	A K Viswanath	Dr.Srikanth Korla	Full Time	Yes	Analytical and Experimental Studies of Novel Energy Harvesting Devices using PZT 5H Patches
20	K Manoj	Dr.Srikanth Korla & Dr. N Vijay Bhaskar	Part Time	No	Investigation of Vibration Energy Generation Techniques for Powering Aerospace Vehicle Components
21	B Ramesh Babu	Dr. Kiran Kumar K	Fulltime	Institute	Working on nanofluid based NCL
22	J A RangaBabu	Dr. Kiran Kumar K & Prof. S SrinivasaRao	Fulltime	Institute	Working on Solar thermal systems
23	Mr. P Venkateswara Babu	Dr. Syed Ismail & Dr. B Satish Ben	Fulltime	Institute	*Broad Area:* Tribological behavior in metal forming processes
24	Mr. S Amrut Mulay	Dr. B Satish Ben & Dr. Syed Ismail	Fulltime	Institute	*Broad Area:* Incremental forming
25	A. Balaraju	Prof. R V Chalam	Fulltime	Institute	Analysis of Automobile Suspension Systems and Development of Optimal Hydraulic Controller for Enhancing Comfort Level
26	SVB Vivekanand	Dr. V R KRaju	Fulltime	Institute	Micro-Fluidics (Area of Research)
27	G Prabhakara Rao	Dr. V R KRaju & Prof. S S Rao	Fulltime	Institute	Combustion modeling in HCCI Engine (Area of Research)
28	Mr. Nilesh K.gajarlawar	Dr. G.Amba Prasad Rao	Part-time	No	Studies on reduction of particulate matter from Automotive diesel engines.Viva-voce date awaited. Actuator Systems

29	Mr. A.R.Babu	Dr. G.Amba Prasad Rao	Part-time	No	*Broad Area*: Use of biodiesel in engines
30	Mr. JVS Moorthy	Dr. G. Amba Prasad Rao	Full-time	No	*Broad Area*: SCRAMJET Combustion
31	G. Sangamesh	Dr. V. Hari Kumar	Full-time	Institute	Goemtric Modeling for Isogeometric Analysis
32	U. Vinay Kumar	Dr. V. Hari Kumar	Full-time	Institute	Shape Optimization using Isogeometric Analysis
33	Pasha	Prof.Ravi Kumar Puli	Part time	---	Experimental Investigation on Combustion, Performance and Emissions Analysis on a Dual Fuel VCR Diesel Fueled Engine Enriched with Hydrogen, CNG and HCNG (Thesis submitted 2015)
34	K. Vijay Kumar	Prof.Ravi Kumar Puli	Full time	Institute	Performance and emission characteristics of IC engines with Plastic oil and Tyre oil blends
35	A.C.Uma Maheswara Rao	Prof.K.V.Sai Srinadh, Dr.V.Vasu	Full time	Institute	SCC behavior of 7075Al-alloys
36	Z. Shanthi kiran	Dr. Suresh babu & Prof.K.V.Sai Srinadh	Full time	Institute	Mechanical behavior of nano composites
37	M. Kameswar reddy	Dr. Suresh babu & Prof. K.V. Sai Srinadh,	Full time	Institute	Mechanical behavior of nano composites
38	Mr. T. Mallikharjuna Rao	Prof. S.Srinivasa Rao	Part-time	NA	Analysis of Heat-pipe based steam condenser for Thermal Power plants
39	Mr. B.Srinivasa Reddy	Dr. G. Naga Srinivasulu & Prof. S.Srinivasa Rao	Full Time	Institute Fellowship	Thermal Analysis of Fuel Cell
40	Dagne Birhanu Mamo	Prof. L Krishnanand, Prof. A N K Rao	Full time	ICCR	Supply Chain Performance Metrics: An Ethiopian Experience
41	D. Kiran Kumar	Dr. V Suresh Babu & Dr. R. N. Rao	Fulltime	Institute	Sustainable Design of an Automotive Seat with Comfort and Safety by DownWeighting : An Integrated Approach of Ergonomics and Numerical Methods
42	A.Prasad Reddy	Dr. P. Vamsi Krishna & Dr. R N Rao	Fulltime	Institute Fellowship	Nano Metal Matrix Composite (Research Area
43	Srinu Gugulothu	Dr. P. Vamsi Krishna	Fulltime	Institute Fellowship	Nanofluids in machining (Research Area)
44	Sudhakar Babu, S	Prof. C. Gururaja Rao and Prof. A. V. Narasimha Rao	Full time	Institute	Conjugate Mixed Convection with Surface Radiation from a Vertical Channel with Multiple Asymmetrically Mounted Discrete Heat Sources
45	N.Ch. Kaushik (701238)	Dr.R.N. Rao	Full Time	Institute	Wear behaviour of Advanced Aluminium Matrix Composites
46	Arjit Paul, (701421)	Dr. R.N. Rao, Dr.N. Vijay Bhaskar (RCI,HYD)	Part Time	-	Analysis of Machined Spring
47	Viswanadham L (714133)	Dr. R.N. Rao , Dr. Inder Mohan Chhabra, (RCI,HYD)	Part Time	-	Performance Improvement of Ring Laser Gyroscope using Mechanical Dither Ring Assembly.
49	Kaushik Ashok Kumar	Prof. P Bangaru Babu	Part Time	-	Active vibration control with Piezo actuators and sensors.
50	Ravindra Garadas	Prof. P Bangaru Babu	Part Time	--	Studies on stability of rotors with internal and external damping
51	U KoteswaraRao	Prof. P Bangaru Babu	Part Time	--	Smart structures
52	M Bhagavan	Prof. P Bangaru Babu	Part Time	--	Statistical energy analysis in welded joints

53	V Ramakrishna	Prof. P Bangaru Babu	Part Time	--	Acoustic studies on marine propellers.
54	Jagadisan Krishna Murthy	Prof. P Bangaru Babu	Part Time	--	Design for vibration control of electronic packages for aero space applications
55	P Anil Kumar	Prof. P Bangaru Babu	Part Time	--	Vibration isolation in electronic packages
56	M Sandeep Kumar	Dr. V Vasu & Prof. Venu Gopal	Full time	Institute	Broad Area: Nanofluids for Machinining
57	N Shiva Kumar	Dr. V Vasu & DR. N Narsaiah	Full time	Institute	Broad Area: ZA 27 Nanocomposites
58	G suresh	Dr. V Vasu	Part time	--	Broad Area: PTFT Nanocomposites
59	Gopala Rao Thellaputta	Dr. P. Subhash Chandra Bose	Full time	Institute	Broad Area: Rotary milling
60	S. Muttu Kumar	Dr. P. Subhash Chandra Bose	Part time	--	Broad Area: Reliability of missiles
61	Punugupati Gurabvaiah	Dr. P. Subhash Chandra Bose	Full time	Institute	Broad Area: Laser machining of ceremics
62	Venkateswarlu Velisala	Dr.G.Naga Srinivasulu	Full time	TEQIP-COE	Broad Area: Fuel Cell
63	Venkata Koteswara Rao	Dr.G.Naga Srinivasulu	Full time	TEQIP-COE	Broad Area: Hybrid Vehicles
64	P.Naresh	Dr A.Kumar	Full time	Institute	Preparation of Al/Al_2O_3 nano surface composites.
65	M.Kishore Kumar	Dr.A.Kumar & Dr. K Ramesh Kumar	Full time	Institute	Broad Area: Friction Stir Welding
66	J.R.Joshi	Dr.A.Kumar	Part time	--	Mechanical Properties of Dissimilar welds.
67	T.Lokeswara rao	Prof. N Selvaraj	Full time	Institute	Optimization of process parameters on WEDM of hard steel with brass on zinc coated brass wire electrodes
68	V.Jeevan	Prof.CSP.Rao & Prof. N Selvaraj	Full time	Institute	Development, Characterization and wear studies of Al6082 & Al-12Si MMC,s
69	S.Srinivas	Prof. N Selvaraj & Prof.CSP.Rao	Part time	--	Digital PDS: A case study in Warangal district
70	C.Neelima devi	Prof. N Selvaraj	Part time	--	Nano Red Mud Synthesis and Characterization
71	N.Vishnumurthy	Prof.CSP.Rao & Prof. N Selvaraj	Full time	Institute	Friction and wear studies of Al Nano-MMC's
72	R Bhanu Pawan	Dr. A Venu Gopal & Dr. R Srikanth (GITAM)	Part time	---	Broad Area: Metal Cutting
73	N Bhandoya Kiran Babu	Prof. A N K Rao & Dr. M J Davidson	Full time	Institute	Broad Area: Formability of sheet metal
74	K Kishore Kumar	Dr. A Venu Gopal	Part time	--	Broad area: Metal Cutting
75	Puneet Chandran	Dr. A Venu Gopal & Dr. Krishna (ARCI)	Part time	--	Broad area: Metal Cutting
76	V Srinivas Rohit	Dr. A Venu Gopal & DR. L Rama Krishna (ARCI)	Full time	Institute	Broad Area: Metal Cutting
77	Sudheer Kumar Mishre	Prof. C S P Rao & Dr. D R Yadav (DRDL-HYD)	Part time	---	Integrated Inventing and scheduling system for missile manufacturing.
78	Ms. T Nagaveni	Prof. C S P Rao	QIP	--	Optimization of process parameters for Si_3N_4 ceramic radomes by gel cast process
79	K Kishore Kumar	Prof C S P Rao	Full time	Institute	Optimization of process parameters and machining of gel casted fused silica radomes

ELECTRONICS AND COMMUNIOCATION ENGINEERING DEPARTMENT

A. Completed

S. No.	Scholars	Guide(s)	Fulltime / Parttime	Fellowship	Thesis Title
1.	Sri. Ravi Kumar J	Dr.T. Kishore Kumar	Part Time	NIT Warangal	"Investigation of different Kalman Filtering Techniques for Target Tracking"
2	Shiv Prasad	Dr.T.Kishore Kumar	Full Time	MHRD	
3	M. Kavicharan	Prof.N.S.Murthy, Dr.N.Bheema Rao	Full Time	MHRD	

B. Working

S. No.	Scholars	Guide(s)	Fulltime / Parttime	Fellowship	Thesis Title
1.	Shravan Kumar Bandari	Dr. V.V.Mani	Full Time	MHRD	
2.	P.Rakesh	Dr. T.Kishore Kumar	Full Time	MHRD	
3.	Sandeep Kumar Vangala	Dr.S.Anuradha	Full Time	MHRD	
4.	Suman Nelaturi	Prof.N.V.S.N. Sarma	Full Time	MHRD	
5.	Rahul Singha	Dr.D.Vakula	Full Time	MHRD	
6.	B.V.N.S.M. Nagesh Deevi	Dr.N. Bheema Rao	Full Time	MHRD	
7.	Sudha Ellison Mathe	Dr.B.Lakshmi	Full Time	MHRD	
8.	Anil Kumar	Dr. L.Anjaneyulu	Part Time	RCI, DRDO	
9.	V.Revathi	Prof.N.V.S.N. Sarma	Part Time	RCI, DRDO	
10.	Vasanth Rayudu	Prof. K.S.R Krishna Prasad	Part Time	RCI, DRDO	
11.	M.Ranjeeth	Dr.S.Anuradha	Full Time	MHRD	
12.	D.Kiran	Dr. L.Anjaneyulu	Full Time	MHRD	
13.	Lakkaraju S.K. Chaitanya	Dr.C.B.Rama Rao	Full Time	MHRD	
14	P. Akhendra Kumar	Dr.Sri Hari Rao	Full Time	MHRD	
15	Sudeep Surendran	Dr.T.Kishore	Full Time	MHRD	
16	M. Bashir	Dr.P.Srihari Rao	Full Time	MHRD	

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 (Roll No. 701145)	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 (Roll No. 701146)	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 (Roll No. 701147)	Dr. P. Surya Prakash Rao	Part-time	-	Development and characterization of Aluminium based Metal Matrix Composites
4	Mr. P. Rambabu (Roll No. 701148)	Dr. M. K. Mohan	Part-time	-	Forging Technologies for fabrication of Aluminium Alloy AA2014 Airframe section
5	Mr. Vibhuti Roshan (Roll No. 701215)	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 (Roll No. 701250)	Dr. T. Srinivasa Rao & Dr. B.S. Murty	Part-time	-	Synthesis and characterization of Aluminium based nanocomposites
7	Mr. K. N. B. Kumar (Roll No. 701215)	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 (Roll No. 701312)	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 (Roll No. 701359)	Dr.N. Narasaiah	Full-time	Institute	Effect of titanium on mechanical behaviour of 11-10 ph precipitation hardened steel
10	Mr. Hanuma Reddy Tiyyagura (Roll No. 701360)	Prof. M. K. Mohan	Full-time	Institute	Corrosion Fatigue and Cracking Behaviour of modified 9Cr-1Mo steel
11	Ms. Suman Kumari (Roll No. 701361)	Prof. M. K. Mohan	Full-time	Institute	Surface modification of titanium and titanium alloys for biomedical applications
12	Ms. Pakki Tejassvi (Roll No. 701363)	Dr. Tata N. Rao and Prof. M.K. Mohan	Part-time	-	Fabrication of electrospunnanofibers for lithium ion battery application
13	Mr. Menuga Ananda Rao (Roll No. 701364)	Dr. N. Narasaiah	Part-time	-	Failure analysis of power plant components
14	Ms. Papiya Biswas (Roll No. 701429)	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.
15	Mr. Bheekiya Naik Roll.No.714028	Dr. R. Arockia Kumar	Full time	Institute	Development of Cu based SMA
16	Mr. Sai Mahesh Roll.No.714030	Dr. Asit Kumar Khanra	Full time	Institute	Deformation behavior of powder metallurgy components
17	Mr.K.Venkateswara Reddy Roll. No. 714140	Dr. R. Arockia Kumar	Fulltime	Institute	Development of Cu-Sn SMAs
18	Mr. S. Sivakumar Roll. No. 714141	Dr. G. Brahma Raju	Full time	Institute	Development of ZrB_2-SiC-Si_3N_4 ceramic composites for high temperature applications
19	Mr. Sivakumar Khaple Roll. No. 714143	Dr. G. Brahma Raju and Dr. V.V. Satya Prasad, DMRL	Part-time	-	Effect of alloying additions on the microstructure and mechanical properties of Fe-Al based lightweight steel
20	Mr. Uddanti Ravi Kiran Roll. No. 714144	Dr. G. V.S. Nageswara Rao	Part-time	-	Effect of alloy chemistry and thermomechanical processing on mechanical properties of tungsten heavy alloys

CHEMICAL ENGINEERING DEPARTMENT

A. Completed

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1.	S. Srinu Naik	Dr. Y. Pydi Setty	Part time	-	Optimization of parameters for biological denitrification for waste water in a gas-liquid-solid bioreactor
2.	G. Srinivas	Dr. Y. Pydi Setty	Full time	Institute	Drying of particulate solids in batch and continuous fluidized beds
3.	P. Naga Lakshmi Devi	Dr. Y. Pydi Setty	Full time	Institute	Studies on biological nitrification of ammonical waste water
4.	B. Sreedhar Rao	Prof. R.C. Sastry	Part Time	-	Heat transfer studies on Newtonian fluids in corrugated plate heat exchangers
5.	B Anji Reddy	Prof.R.C. Sastry	Full Time	Institute	Studies on gasification of solid waste biomass in down draft fixed bed reactor
6	M Mallaiah	Prof. G.Venkat Reddy	Full Time	Institute	Esterification of acetic acid with methanol by catalytic reactive distillation: pore diffusion model

B. Working

S. No.	Scholars	Guide(s)	Fulltime / Part time	Fellowship	Thesis Title
1.	K. Srivani	Dr. Y. Pydi Setty	Part time	-	Nutritional and environmental parameter studies on the production of xylitol from d-xylose by candida parapsilosis-NCIM-3323
2.	Tejasvi K	Dr.Y. Pydi Setty, V. Venkateswara Rao (DRDO)	Part time	-	Agglomerates form propellants
3.	T. Srinivas	Dr. A. Venu Vinod	Full time	Institute	Heat transfer studies using nanofluids
4.	B. Sujan Kumar	Dr. A. Venu Vinod	Full time	Institute	Characteristics of spout-fluid beds
5.	D. Kishore	Dr. K. Anand Kishore	Full time	Institute	Process control
6.	M. Suresh Kumar	Dr. Shirish H Sonawane	Full time	Institute	Studies on process identification using cavitation mictorcator and its applolcation
7.	Shabana Shaik	Dr. Shirish H Sonawane	Full time	ISRO	Sudies on dispersion and Encapsulation of nano particles using sono chemical approach
8.	Bhaskar Bethi	Dr. Shirish H Sonawane	Full time	MOEF	Development of Hybrid waste water treatment based on Hydro dynamic cavitation
9.	Prashanth Suryawanshi	Dr. Shirish H Sonawane	Full time	DIT Project	Prototype development of PEM fuel cell
10.	Uday Bagole	Dr. Shirish H Sonawane	Full time	DRDO	Self healing coating
11.	Dorca Polamuri	Dr. T. Sunil Kumar	Full time	Institute	Heat transfer in granular material
12.	Shaik Liyakhath Ahmed	Dr. T. Sunil Kumar	Full time	NRB-DRDO	Simulation of pitting and galvanic corrosion
13.	Abdulla Sheikh	Dr. P.V. Suresh	Full time	Institute	Fuel cells
14.	Ritesh Ramesh Palkar	Dr. Vidyasagar Shilapuram, Dr. P.V. Suresh	Full time	Institute	Hydrodynamic studies of liquid solid circulating fluidized beds
15.	Ranganayakulu	Dr. G. Uday Bhaskar Babu	Full time	Institute	Design and analasys of non linear control systems
16.	Pagidi Aruna	Dr. Murali Mohan Seepana	Full time	Institute	Synthesis and characterization of membrane for director methanol fuel cell

17.	T Vijaya Kumar	Prof. R.C. Sastry	Full Time	Institute	Heat transfer studies of nano-fluids in corrugated plate heat exchangers
18	KHV Prasad	Prof. R.C. Sastry	Part Time	-	Safety aspects of run-away reactions
19	Thirumal Bai	Dr. S. Srinath	Full Time	Institute	oxidative dehydrozination of ethane to ethylene

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

A. Completed

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	Sagar Gujjunoori	Prof. B. B. Amberker	Full time	Institute	Towards Reversible Data Embedding for Digital Video using DCT
2	B. R. Purushothama	Prof. B. B. Amberker	Full time	ISEAP Fellowship	Cryptographic Solutions to Security Issue in Key Management and Cloud Computing
3	Syed Taqi Ali	Prof. B. B. Amberker	Full Time	Institute	Attribute Based Group Signature Schemes with Attribute Anonymity and Constant Size Signature
4	Somaraju Suvvari	Dr. R.B.V. Subramanyam	Full Time	Institute	Data Mining Algorithms for Certain In-Depth Analysis on Frequent Patterns in Large Databases
5	Nagesh Bhattu Sristi	Prof. D.V.L.N. Somayajulu	Full Time	Institute	A study of weakly supervised learning algorithm for sentimental analysis

B. Working

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	Srilatha Chebrolu	Prof S.G. Sanjeevi	Full Time	TCS Research Scholar Program, Hyderabad	Attribute Reduction in Decision-Theoretic Rough Set Models
2	Ramesh Karnati	Dr. R.B.V. Subramanyam	Full Time	TCS Research Scholar Program, Hyderabad	Sequential Pattern Mining and it's Applications
3	T Ramakrishnudu	Dr. R.B.V. Subramanyam	Internal	----	Positive and Negative Association Rules
4	Ramachandranaya kYadawad	Dr. R.B.V. Subramanyam	Part Time	----	Distributed Data Mining
5	Mrs FathimabiShaik	Dr. R.B.V. Subramanyam	Full Time	Institute	Graph Mining using Big Data Techniques
6	P Anil	Dr. R. Padmavathy	Full Time	Institute	Reversible Image Watermarking
7	SandipanMaiti	Dr. R.B.V. Subramanyam	Full Time	Institute	Mining large Graph Databases
8	P. LalithaKumari	Prof S.G. Sanjeevi	Full Time	Institute	Big Data Analytics
9	M. Sai Krishna	Dr. R.R. Rout	Full Time	Institute	Energy efficiency in Wireless sensor networks
10	SudharshanChakr avarthy	Dr. Ch. Sudhakar	Full Time	Institute	Resource allocation strategies in Cloud Computing
11	LavanyaMadhuriB ollipo	Dr. K.V. Kadambari	Full Time	Institute	Inter spike intervals pattern Recognition
12	T Preethi	Prof. B.B Amberker	Full Time	Institute	Cryptography
13	Abhilash MH	Prof.B.B.Amberker	Full Time	Institute	Social Network Analytics
14	S.Sathyanarayana n	Dr. K. Ramesh	Full Time	Institute	Model - Driven Software Development
15	Spoorthy	Prof S.G. Sanjeevi	Full Time	Institute	Big Data Analysis
16	Kanaparthi Suresh Kumar	Dr. U.S.N. Raju	Full Time	Institute	Computer Vision and Image Processing
17	Chaitanya Kanchibhotla	Prof. DVLN Somayajulu	Part Time	----	Big Data Analysis

BIOTECHNOLOGY

A. Completed

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1.	M. Naveen Kumar	Dr. P.Sreenivasa Rao	Full time	Institute fellowship	Fabrication of bioactive polymer scaffolds for umbilical cord blood derived bone regeneration
2.	Rama Raju. B	Dr. P.Sreenivasa Rao	Full time	Institute fellowship	Development of yeast cell factory for improved production of isoprenoids

B. Working

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1.	Ms.P. Manasa	Dr. K. Narasimhulu	Fulltime	Institute fellowship	Bioethanol Production from Cellulosic Biomass using Immobilized Yeast Cells
2.	Mr. N.Harikrishna Yadav	Dr. K. Narasimhulu	Fulltime	Institute fellowship	Biosorption of 'Lead (Pb)' from effluent of lead acid battery industry
3.	Mr.Paramjeet Saroj	Dr. K. Narasimhulu	Fulltime	Institute fellowship	Production of Beta-Glucosidase by thermophilic fungus and its application in bioethanol production
4.	Mr. B.Bhaskar	Dr. P.Sreenivasa Rao	Fulltime	Institute fellowship	Designing And Assessment Of A Dynamic Perfusion Bioreactor For Polymer Guided Bone Regeneration By Using Mesenchymal Stem Cells
5.	Mr. K.Santosh	Dr. P.Sreenivasa Rao	Fulltime	Institute fellowship	Umbilical cord blood Mesenchymal stem cells as a novel cell source for the treatment of Limbal stem cell deficiency (LSCD)
6.	Ms.Mayuri Bhatia	Dr. R. Satish Babu	Fulltime	Institute fellowship	Heavy metal removal from water using nanoparticle embeded in biosorbents
7.	Mr.E.Rajeswara Reddy	Dr. R. Satish Babu	Fulltime	Institute fellowship	Production, Purification and Characterization of L-Asparaginase from Enterobacter aerogenes KCTC 2190
8.	Ms. Madhuri	Dr. R. Satish Babu	Fulltime	Institute fellowship	Isolation,production and purification of L-Asparaginase from Endophytic Microorganisms
9.	Mr. Aditya Velidandi	Dr. Rama Raju.B	Fulltime	Institute fellowship	Tentative: Development of Tailor made pretreatment technologies for production of fermentable sugars from corncobs
10.	Mr. R. Kowshik	Dr. V. Kohila	Full time	Institute fellowship	Tentative: Targeted nanocarriers with conjugated suicide gene - hGST variants as a novel approach for rheumatoid arthritis
11.	Mr. V. Nagarjuna	Dr. Prakash Saudagar	Fulltime	Institute fellowship	Investigation of cellular & molecular interaction processes of macrophages in the infection biology of leishmaniasis
12.	Ms. Sumithra. B	Dr. Asim Bikas Das	Fulltime	Institute fellowship	Role of Splicing factors in cancer (Tentative)
13.	VSPK Sankara Aditya	Urmila Saxena	Fulltime	Institute Fellowship	Study on cancer biomarkers to design biosensor
14.	Ms. M. Nirupama	Dr. Amitava Bandhu	Fulltime	UGC	Studies on structure – function relationship of RamB and PrpR of *M. tuberculosis*



एनबीए टीम का दौरा मैटलर्जिकल और सामग्री इंजीनियरिंग विभाग के लिए
NBA Team visit to Metallurgical and Materials Engineering Department



एनबीए टीम का दौरा जैव प्रौद्योगिकी विभाग के लिए
NBA Team visit to Biotechnology Department

DEPARTMENT OF MATHEMATICS:

A. Completed

S. No.	Scholars	Guide(s)	Fulltime/ Part-time	Fellowship	Thesis Title
1	Gurju Awgichew	Prof.G. Radhakrishna macharya	Fulltime	Ethiopia	Effect of Slip on Stenotic Region flow of Non – Newtonian fluids.
2	Gemechis FD.	Prof. Y.N.Reddy	Fulltime	Ethiopia	Numerical treatment of SPDDE
3	Y.Shouri Raju	Prof.K.N.S.Kasi Viswanadham	Fulltime	GATE	Numerical solution of higher order boundary value problems by collocation method with different orders of B-splines
4	B.Sreenivasulu	Prof.K.N.S.Kasi Viswanadham	Fulltime	GATE	Numerical solution of higher order boundary value problems by Galerkin method with different orders of B-splines
5	J.Srinivas	Dr.J.V.Ramana Murthy	Full time	Institute fellowship	"Analysis of entropy generation rate for immiscible non-Newtonian fluid flows with couple stresses in a channel
6	M.Phani Kumar	Dr.J.V.Ramana Murthy	Full time	QIP	Viscous Fluid Flow past a Solid/Fluid Sphere at Moderate Reynolds Numbers Using Homotopy Analysis Method
7	Pavan Kumar	Dr D Dutta	Fulltime	UGC	Some studies ...fuzzy environments
8	M. Upener	Dr.D. Srinivasacahrya	Full Time	CSIR Project	Magnetic effect on Natural and Mixed convection in micropolar fluids, May 2014
9	O. Surender	Dr.D. Srinivasacahrya	Full Time	GATE	Convection in a doubly stratified viscous fluid and nanofluid saturated porous medium
10	Venkatrajam Marka	Dr. R. S. Selvaraj	Full Time	GATE	Codes in Rosenbloom-Tsfasman Metric: Constructions and Properties
11	T. Divya	Dr. H.P. Rani	Full time	Rs.18,000/- pm	CFD analysis of flow assisted corrosion (FAC) problems in pipes and pipe bends
12	Dr Ragoju Ravi	Dr A Benerji Babu	Fulltime	Gate	CONVECTIVE INSTABILITIES IN A SPARSELY PACKED POROUS MEDIUM
13	Dr. D Kumara swamy	Dr A Benerji Babu	Part-time	QIP	Quantitative Analysis and Stability of Methods for Singularly Perturbed Differential Difference Equations

B. Working

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Area of Research
1	G. Ravi Kiran	Prof.G. Radhakrishna macharya	Full Time	Institute Fellowship (GATE)	
2	N. Santhosh	Prof.G. Radhakrishna macharya	Full Time	Institute Fellowship (GATE)	
3	P. Padmaja	Prof.YNReddy	Part Time	--	Initial and Boundary Value Methods for SPTPBVP's
4	Laxmi Sheerisha	Prof.YNReddy	Full Time	Institute Fellowship (GATE)	Differential Difference Equations with Layers
5	S.Mallishwar Reddy	Prof.K.N.S.Kasi Viswanadham	Fulltime	GATE	Numerical solution of higher order boundary value problems by Petrov-Galerkin method with different orders of B-splines

6	N.Vamsi krishna	Dr.J.V.Ramana Murthy	Part time	-	
7	T.Govinda Rao	Dr.J.V.Ramana Murthy	part time	-	
8	G Nitish Kumar	Dr.D Dutta	Fulltime	Institute Fellowship (GATE)	Transportation Problems
9	P. Vijay Kumar	Dr.D.Srinivasacahrya	Fulltime	Institute Fellowship (GATE)	Nanofluids over wavy surfaces
10	G Madhava Rao	Dr.D. Srinivasacahrya	Fulltime	QIP	Blood flow problems
11	K. Hima Bindu	Dr.D. Srinivasacahrya	Fulltime	Institute Fellowship (GATE)	Micropolar fluids with Entropy generation
12	Shafeeurrahman Md	Dr.D. Srinivasacahrya	Fulltime	QIP	Fluid flow problems
13	P Jagadeeshwar	Dr.D. Srinivasacahrya	Fulltime	Institute Fellowship (GATE)	Fluid flow problems
14	Mr. M. Varun Kumar	Dr.P.Muthu	Full Time	Institute Fellowship (GATE)	Fluid flow problems
15	Ms. I. Gnanasudha	Dr.R. S. Selvaraj	Fulltime	Institute Fellowship (GATE)	On Pomset Codes
16	K. Appi Reddy	Dr.T. Kurmayya	Fulltime	Institute Fellowship (GATE)	Some aspects of nonnegative generalized inverses
17	T. Pradeepa	Dr.Ch.RamReddy	Full Time	Institute Fellowship (GATE)	Convective transport in fluid flow problems
18	Ch. Venkata Rao	Dr.Ch.RamReddy	Full Time	Institute Fellowship (GATE)	Numerical/analytical solutions of some problems on convection in fluid flows

DEPARTMENT OF PHYSICS

A. Completed

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	Ch. Sujatha	Dr. K.V.G. Reddy & Prof.A. Ramachandra Reddy	Full time	NITW Fellowship	Study on Structural and Electromagnetic properties of Mg substituted NiCuZn Nanoferrites
2	K. Sowri Babu	Prof A. Ramachandra Reddy, & Dr. K.V.G. Reddy	Full Time	NITW Fellowship	Photoluminescence studies on ZnO and its nanocomposites
3	Putha Kishore	Dr. D. Dinakar,	Full Time	NITW Fellowship	Experimental studies on intensity modulated fiber optic vibrational sensors for real time applications.
4	K. Samrajyam	Dr. B. Shoba	Full Time	NITW Fellowship	Structural Health Monitoring
5	K. Srinivas	Prof. L. Ram Gopal Reddy	Part-Time	-NIL-	Nonlinear Analysis And Characterization Of Heart Rate Variability In Health And Disease

B. Working

S. No.	Scholars	Guide(s)	Fulltime / Parttime	Fellowship	Thesis Title
1	P. Vengal Rao	Prof. K. Srimannarayana and Prof. M. Sai Sankar	Full time	NITW Fellowship	High& Low Pressure Sensing using FBG Sensors
2	A.N. Mallika	Prof A. Ramachandra Reddy, & Dr. K.V.G. Reddy	Full time	NITW Fellowship	Synthesis and characterization of transition metal ions co-doped ZnO nanparticles
3	N. Rajeswar Rao	Prof. S. V. S Ramana Reddy & Dr. T. Venkatappa Rao	Fulltime	NITW Fellowship	Radiation effects on some biopolymers
4	S. Raj Kumar	Dr. P. Abdul Azeem	Full Time	DST	Synthesis and characterization of borosilicate glasses and their ceramics for medical applications
5	Himamaheswar Rao	Dr. P. Syam Prasad	Full Time	NITW Fellowship	Tellurite based glasses for photonic applications
6	B. Evangeline	Dr. P. Abdul Azeem	Full Time	NITW Fellowship	Investigations on rare earth and transition metal ion doped ABO_3 nano phosphors for display applications
7	C. Hari Krishna	Dr. Sourabh Roy	Fulltime	NITW Fellowship	Analysis of Twisted fibers
8	K. Venkat Reddy	Prof. K. Srimannarayana & Dr.T.Venkatappa Rao	Fulltime	--	High-temperature measurement using FBG sensors
9	Mohan Babu	Dr. P. Syam Prasad	Full Time	NITW Fellowship	Phospate based bio-glasses for bio-medical applications
10	T. Ramesh	Prof. Dr. L. Ramgopal Reddy	Part-time	ARCI-JRF (Chennai)	Super-Capacitors
11	P. M. Pratheeksha	Dr. D. Paul Joseph	Part-time	ARCI-JRF (Hyderabad) (Nano-Mission Project)	'Li' ion Batteries

DEPARTMENT OF CHEMISTRY

A. Completed

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	S.Kanakaraju	Prof.G.V.P. Chandramouli	Full Time	Institute fellowship	Synthesis and Biological activity of Novel fused tetrazoles.
3	M. Nookaraju	Prof. .I.A.K.Reddy (Guide) Dr. N. Venkatathri (Co-guide)	Fulltime	Institute	Synthesis, Characterization and Catalytic applications of Acid and Redox functionalized Mesoporous Silica Materials
4	T.Ramesh	Dr.P.Nageswara Rao	Fulltime	Institute	
5	P. Kavitha	Prof. K. Laxma Reddy	Full time	Institute, NITW	Synthesis, characterization and biological activity studies of some 3-formylchromone Schiff bases and their transition metal complexes
6	B. A. Tewodros	Dr.V. Rajeswar Rao	Full Time	Ministry of Ethiopia	Synthesis of nitrogen and sulphur containing heterocyclic compounds using multi-component approach.
7	B. Thirupaiah	Dr.V. Rajeswar Rao	Full Time	Institute Fellowship	Bromo dehydroacetic acid as a building block for various heterocyclic compounds
8.	K. Koteshwara Reddy	Dr. K. V. Gobi	Full time	Institute	Development of Electrochemical Sensors for Biomarkers using Molecular Recognition Elements and Nanocomposite Electrodes
9	K. Bhavani	Dr. P.V.SRILAKSHMI	Full time	Institute, NITW	Synthesis, characterization and biological activity studies of some 3-formylchromone Schiff bases and their transition metal complexes
10..	V. Amarnath	Dr. P.V.SRILAKSHMI	Full time	Project	Design, synthesis and biological activity of novel heterocyclic based lipids and dihydropyrazole derivatives
11.	Mr. Santosh Kumar	Dr. Vishnu Shanker	Fulltime	Institute	Development of Novel g-C3N4-Based Hybrid Nanocomposites for Photocatalytic Applications under Visible Light
12	Mr. T. Surendar	Dr. Vishnu Shanker	Fulltime	DST Project	Synthesis and Characterization of Highly Efficient Nanostructured Materials for Photocatalytic Applications under Sunlight Irradiation
13.	Mrs. A. Rajini	Dr. N. Venkatathri	Full time	Institute Fellow	Development of novel metal containing aminophosphates for catalytic and biological applications

B. Working:

S. No.	Scholars	Guide (s)	Fulltime / Part-time	Fellowship	Thesis Title
1	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
2	Mr. K. Vimal Kumar	Prof. B. V. Appa Rao	Full Time	Institute Fellowship	Chemically modified biopolymers as inhibitors for protection of metals
3	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
4	Hanuma Reddy	Prof. M. K. Mohan Prof. B. V. Appa Rao	Full Time	Institute Fellowship	Corrosion Fattigue
5	Yugender Goud	Dr. K.V. Gobi Prof. B. V. Appa Rao	Full Time	DRDO Fellowship	Impedance based sensors
6	V.V.N. Phani	Dr.Raju Prakash Prof. B. V. Appa Rao	Part time	ARCI Fellowship	Development of Bare/Insitu coated lithium based electrode materials for electric vechile applications
7	G. Srinivasa Rao	Prof. A. Ramachandraiah	FullTime	MHRD	Spectral, Single Crystal XRD, Electrochemical and Molecular Modeling Studies of Certain Functional Materials
8	Ashutosh Yadav	Prof. A. Ramachandraiah	FullTime	MHRD	Spectral, Electrochemical and Molecular Modeling Studies and Kinetics of Hydrolysis of Biphenyl Bridged Homo- bifunctional Compounds
9	Ms. N. Manjula	Prof. A. Ramachandraiah Dr. Balaji (External)	External	ARCI	Modified Electrochemical Fuel Cells for Hydrogen Production from Water
10	Sagar.P.Vijay Kumar	Prof. G.V.P. Chandramouli	Full Time	CSIR	Synthesis and Applications of new Heterocycles and Porphoryns
11.	L.Suresh	Prof. G.V.P. Chandramouli	Ful Time	Institute fellowship	Synthesis of novel Biologically active heterocycles
12	T. Vikram Sagar	Dr.I.A.K. Reddy	Part-Time	Project	CO2 Reforming of Methane Over La-Ni-Ce Mixed Oxide Catalysts
13	Uaghander reddy	Dr.P.Nageswara Rao	Parttime external	---	
14	B. Mayuri	Prof. K. Laxma Reddy	Full time	Institute, NITW	Synthesis, characterization and biological activity studies of Schiff bases and their transition metal complexes
15	K. Ramaiah	Prof. K. Laxma Reddy	Full time	Institute, NITW	Synthesis, characterizationDNA cleavage and cytotoxicity studies of Metal complexes with Schiff Base Ligands
16	Sreenu Pavurala	Dr.V. Rajeswar Rao	Full Time	Institute	Synthesis and biological activity of new sulphur heterocyclic compounds derived from coumarins
17	Rajkumar Ramagiri	Dr.V. Rajeswar Rao	Full Time	UGC	Synthesis of nitrogen, sulphur heterocyclic compounds via multicomponent reactions and their biological studies
18	Krishnaiah Vaarla	Dr.V. Rajeswar Rao	Full Time	UGC	Synthesis of new heterocyclic compounds and their biological activity studies
19	A. Varun	Dr.V. Rajeswar Rao	Full Time	UGC	Multicomponent approach towards the synthesis of biologically active heterocyclic compounds

20	Satyanarayana M	Dr. K. V. Gobi	Full time	Institute	Electrochemical in-situ Analysis of Pharmaceutical Compounds at Nanoensembled Electrodes
21.	K. Yugender Goud	Dr. K. V. Gobi, Co-Guide: Prof. B. V. Appa Rao	Full time	DRDO, GoI	Electrochemical Sensors for Explosives and Warfare Reagents
22.	V. Sunil Kumar	Dr. K. V. Gobi	Full time	Institute	Nanocomposites as Electrocatalytic Materials in Fuel Cells
23.	G. Mallikarjun	Dr.P.V.Srilakshmi	Full time	CSIR	Synthesis, evaluation of heterocyclic based cationic lipids for gene delivery
24.	M.Venkanna	Dr.P.V.Srilakshmi	Full time	CSIR	Design, Synthesis and evaluation of novel cationic lipids for targeting gene delivery to BBB.
25.	P. Mahendra	Dr.P.V.Srilakshmi	Full time	UGC	Design, Synthesis and evaluation of novel analogues of tocopherol based lipids.
26.	R. Hithavani	Dr.P.V.Srilakshmi	Full time	Project	Design, Synthesis and evaluation of amino acid based lipids for targeting gene delivery to BBB.
27.	Mr. M. Saikumar	Dr. Vishnu Shanker	Fulltime	Institute	Synthesis of nanostructured semiconductor materials for water splitting application
28.	Mr. A. Ajay Kumar	Dr. N. Venkatathri	Full time	Institute Fellow	Synthesis, characterization and Photocatalytic applications of Nanocrystalline mesoporous Titanium silicates
29.	Mr. S. Chirra	Dr. N. Venkatathri	Full time	Institute Fellow	Synthesis, Characterization and Catalytic and drug delivery applications of metal containing mesoporous MCM-41 and SBA-15.
30	Mr. S. Nagaraju	Dr. D. Kashinath	Full time	UGC (SRF)	Design and Synthesis of chiral ligands for Asymmetric Organic Transformations
31	Mr. B. Paplal	Dr. D. Kashinath	Full time	Institute Fellow	Development of Synthetic methodologies based on homogeneous and heterogeneous catalysis
32	Ms. K. Sujatha	Dr. D. Kashinath	Full time	Institute Fellow	Development of Synthetic methods heterogeneous catalysis
33.	N. Sathyanarayana	Dr. D. Kashinath	Full time	Project Fellow	Development of Synthetic methods for biologically active compounds
34.	N. V. Bharath	Dr. B. Srinivas	Fulltime	Institute Fellowship	Synthesis and biological evaluation of some spiro compounds containing N/O heteroatoms.
35.	Vinay Pogaku	Dr. B. Srinivas	Fulltime	Institute Fellowship	Synthesis and biological evaluation of 2-azitidinone derivatives.
36.	Mr. Thunga Sanjeeva	Dr. K. Hari Prasad	Full Time	Institute fellowship	Synthesis and Applications of new glycosidase inhibitors
37.	Ms. Posala Soumy	Dr. K. Hari Prasad	Full Time	Institute fellowship	Synthesis of novel Biologically active heterocycles.

DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES:

A. Completed – Nil

B. Working

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	Jaipal	Dr.Vishwanathan M.R	Fulltime	-------	Working on it
2.	Sufiya naheed	Dr.Vishwanathan M.R	Fulltime	-------	Working on it
3.	Doreswamy	Dr.Madhavi Kesari	Fulltime		Teaching English at Linguistic and Instrumental Level: An Ethnographic Study in Degree Colleges of Karnataka.
4.	Vijay Kumar. N	Dr.Madhavi Kesari	Fulltime		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	Dr.T.Rahul	Dr.Ritanjali Majhi	Full-Time	Completed	Development of soft computing tools for prediction of customer satisfaction, loyalty and churching in telecom sector.
2	Ms.T.Nagasai Kumar	Dr.M.Ravindar Reddy	Part-Time	Submitted	Determinant Attributes of store brands in Indian retailing
3	Ms.P.Prema Latha	Dr.P.Ramlal	Full-Time	About to Submit.	Organisational culture and its impact on employee engagement.A study of RINL Visakapatnam.

B. Working

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	Mr.Venugopal	Dr.M.Ravinder Reddy	Full-Time	Institute Scholar	Share holder wealth maximization
2	Mr.Vikas Bhatnagar	Dr.Ritanjali Majhi	Full-Time	JRF(A study on Research and consultancy activities of NIT system in India-Ritanjali Majhi-SOM)	-
3	Ms.Nandini	Dr.Ravinder Reddy	Full-Time	Institute Scholar	-
4	Mr.R.Mohan	Dr.K.Padma	Part-Time	Teaching Faculty	-

Details of the candidates admitted into Ph.D. from 01.07.2014 to 30.06.2015

Sl. No.	Name of the Student	Roll No.	Department
1.	Pasham Anusha	714002	Civil Engineering
2.	T. Arjun Kumar	714003	Civil Engineering
3.	K.J.N. Sai Nitesh	714004	Civil Engineering
4.	Vemu Venkata Praveen Kumar	714006	Civil Engineering
5.	Sachidananda Prasad	714007	Electrical Engg.
6.	Kiran Teeparthi	714008	Electrical Engg.
7.	G. Mahanandeswara Gowd	714009	Electrical Engg.
8.	Jammy Ramesh Rahul	714010	Electrical Engg.
9.	Hareesh Myneni	714011	Electrical Engg.
10.	S.V.B. Vivekanand	714012	Mech. Engg.
11.	A. Prasad Reddy	714014	Mech. Engg.
12.	Mulay Amrut Shrikant	714015	Mech. Engg.
13.	D. Ravichandra	714016	Mech. Engg.
14.	R. Seetharam	714017	Mech. Engg.
15.	V. Phanindra Bogu	714018	Mech. Engg.
16.	Venkata Koteswara Rao. K.	714019	Mech. Engg.
17.	Z. Shanti Kiran	714020	Mech. Engg.
18.	Uma Maheswara Rao Gaddala	714021	Mech. Engg.
19.	Kattamanchi Manoj	714022	Mech. Engg.
20.	Padavala Akendra Kumar	714023	E.C.E.
21.	Sudeep Surendran	714024	E.C.E.
22.	Mudasir Bashir	714025	E.C.E.
23.	Rakesh Kumar Singh	714026	E.C.E.
24.	P. Peraiah Sastri	714027	E.C.E.
25.	Ramavath Bheekya Naik	714028	Met. & Mat. Engg.
26.	K. Sai Mahesh	714030	Met. & Mat. Engg.
27.	Shaik Liyakhath Ahmed	714034	Chemical Engg.
28.	Bhaskar Bethi	714035	Chemical Engg.
29.	Tejasvi. K.	714036	Chemical Engg.
30.	Thakkalapally Preethi	714037	C.S.E.
31.	Abhilash M H	714038	C.S.E.
32.	S. Sathyanarayanan	714039	C.S.E.
33.	Gajji Spoorthy	714040	C.S.E.
34.	Kanaparthi Suresh Kumar	714041	C.S.E.
35.	R. Kowshik Aravilli	714042	Biotechnology
36.	N. Hari Krishna Yadav	714043	Biotechnology
37.	M. Nirupama	714044	Biotechnology
38.	Mayuri Bhatia	714045	Biotechnology
39.	Santhosh Kacham	714046	Biotechnology
40.	Jagadeeshwar Pashikanti	714048	Mathematics
41.	Md. Shafeeurrahman	714049	Mathematics-QIP
42.	P.M. Pratheeksha	714050	Physics
43.	Ramesh. T.	714051	Physics
44.	Konakanchi Ramaiah	714052	Chemistry
45.	Vinay Pogaku	714053	Chemistry
46.	Saikumar. M	714054	Chemistry
47.	Thunga Sanjeeva	714055	Chemistry

48.	Soumya Poshala	714056	Chemistry
49.	Narreddula Manjula	714057	Chemistry
50.	Rangari Vinay Ashok	714058	Civil Engineering
51.	AGILAN	714059	Civil Engineering
52.	Chavali Rama Varaprasad	714060	Civil Engineering
53.	*Vivekanandan*	714061	Chemical Engg.
54.	P. Muralidhar	701458	E.C.E.
55.	A. Prakasha Rao	701459	E.C.E.
56.	Kamineni Aditya	714101	Civil Engineering
57.	Prashanth Shekar Lokku	714102	Civil Engineering
58.	Hanuma Kasagani	714103	Civil Engineering
59.	Jammula Jaya Krishna	714104	Civil Engineering
60.	Srikanth Koniki	714106	Civil Engineering
61.	Thunuguntla Chaitanya Sri Krishna	714107	Civil Engineering
62.	Noolu Venkatesh	714108	Civil Engineering
63.	S. Srikanth	714110	Civil Engineering
64.	Harsha Praneeth Pavani	714111	Civil Engineering
65.	M. Venu	714112	Civil Engineering
66.	Eswar Sala	714115	Civil Engineering
67.	Kasi Ramakrishnareddy Ch.	714117	Electrical Engg.
68.	Hari Priya Vemuganti	714118	Electrical Engg.
69.	B. Kiran Babu	714119	Electrical Engg.
70.	Venkataramana Veeramsetty	714120	Electrical Engg.
71.	Saptarshi Roy	714121	Electrical Engg.
72.	Ratna Rahul Tupakula	714122	Electrical Engg.
73.	Punugupati Gurabvaiah	714123	Mech. Engg.
74.	Taraka Sarathchandra Babu Dongari	714124	Mech. Engg.
75.	Srinu Gugulothu	714125	Mech. Engg.
76.	M. Kameswara Reddy	714126	Mech. Engg.
77.	Ummidivarapu Vinay Kumar	714127	Mech. Engg.
78.	P. Venkateswara Babu	714128	Mech. Engg.
79.	Srinivasa Reddy Badduri	714129	Mech. Engg.
80.	Narasimha Suri Tinnaluri	714130	Mech. Engg.
81.	Santosh Kumar Malyala	714131	Mech. Engg.
82.	R. Yoganda Reddy	714132	Mech. Engg.
83.	Viswanadham. L	714133	Mech. Engg.
84.	P. Sunitha	714134	Mech. Engg.
85.	Prasad Nizampatnam	714136	E.C.E.
86.	L.A.V. Sanhith Rao	714137	E.C.E.
87.	Chandana Sairam	714138	E.C.E.
88.	K. Venkateswara Reddy	714140	Met. & Mat. Engg.
89.	Sivakumar. S.	714141	Met. & Mat. Engg.
90.	Shivkumar Khaple	714143	Met. & Mat. Engg.
91.	Uddanti Ravi Kiran	714144	Met. & Mat. Engg.
92.	Abdulla Sheikh	714145	Chemical Engg.
93.	Devarapalli Kishore	714146	Chemical Engg.
94.	Pagidi Aruna	714147	Chemical Engg.
95.	Purushottama Rao Dasari	714148	Chemical Engg.
96.	Rayalla Ranganayakulu	714149	Chemical Engg.
97.	P. Thirumala Bai	714150	Chemical Engg.

98.	Prashant Surywanshi	714151	Chemical Engg.
99.	Bagale Uday Dasharath	714152	Chemical Engg.
100.	Chaitanya Kanchibhotla	714153	C.S.E.
101.	Nagarjuna. V	714154	Biotechnology
102.	Param Jeet Saroj	714155	Biotechnology
103.	Aditya Velidandi	714156	Biotechnology
104.	P. Madhuri	714157	Biotechnology
105.	Venkata Rao Chukka	714158	Mathematics
106.	Gangalakurti Laxminarayana	714159	Physics
107.	M. Gopala Krishna Murthy	714160	Physics
108.	Mahender Kumar Gupta	714161	Physics
109.	Nelaballi Shara Sowmya	714162	Physics
110.	V. Sunil Kumar	714164	Chemistry
111.	Suman Chirra	714165	Chemistry
112.	Neeli Satyanarayana	714167	Chemistry
113.	Shirisha Pulukuri	714168	Civil Engineering
114.	Ganja Tejaswilaxmipriyanka	714169	Civil Engineering
115.	M. Srikanth	714170	Civil Engineering

7.2 DETAILS OF THE Ph. D AWARDED FROM 1.4.2014 TO 31.3.2015

S.No	Name of the Scholar	Department	Supervisor	Title of the Research
1	Ravikumar Reddy C	Civil Engineering	Prof. D. Rama Seshu	An Appraisal of building frame-pile foundation – Soil Interaction
2	Palakuri Kavitha	Chemistry	Prof. K. Laxma Reddy	Synthesis, Characterisation and Biological Activity studies of some 3-formylchromone Schiff bases and their transition metal complexes
3	S. Srinath	Chemical Engg.	Prof. G. Venkat Reddy	Combustion of different Agrofuels in a Fluidized BED: Experimental and Simulation Studies.
4	Amarnath V	Chemistry	Dr. P.V. Srilakshmi	Design, Synthesis and Biological activity of novel heterocyclic based Lipids and Dihydropyrozole derivatives.
5	Mr. Y. Showri Raju	Mathematics	Dr. K.N.S. Kasi Viswanadham	Numerical Solution of Higher order Boundary value problems by collocation method with different orders of B-Splines
6	K. Anand Kishore	Chemical Engg.	Prof. G. Venkat Reddy	Optimization of process parameters for batch Fermentation of Citric Acid
7	Autee Arun Tukaram	Mech. Engg.	Prof. S. Srinivasa Rao	Experimental Investigations on Pressure Drop for Adiabatic Air-Water Two-Phase Flow in Small-Diameter Tubes and Bends
8	Nagaraj V. Dharwadkar	C.S.E.	Prof. B.B. Amberker	A study on Digital Image Steganography and Water marking schemes
9	A. Suresh Rao	C.S.E.	Prof. DVLN Somayajulu	Some Studies on Sequential Pattern Mining Over Progressive Databases
10	Naveen Kumar Mekala	Biotechnology	Dr. Parcha Srinivasa Rao Prof. Y. Prameela Devi	Fabrication of Bioactive Polymer scaffolds for Umbilical Cord Blood Derived Bone Regeneration.
11	Mr. Upendar Mendu	Mathematics	Dr.D. Srinivasa charya	Magnetic Effect on Natural and Mixed Convection in a Micropolar Fluid
12	Ms. Porpandiselvi	Electrical Engg.	Dr. N. Viswanadhan	Development of Dual Frequency Inverter configurations for Induction Hardening Application
13	Sagar Gujjunoori	C.S.E.	Prof. B.B. Amberker Dr. Asoke Talukder	Towards Reversible Data Embedding for Digital Video using DCT

14	Kanaka Raju Sankari	Chemistry	Prof. GVP Chandramouli	Synthesis and Biological evaluation of Novel substituted and Fused Tetrazole Derivatives.
15	Ch. Venkaiah	Electrical Engg.	Prof. D.M. Vinod Kumar	Real-Time available Transfer capability Computation and congestion management using Intelligent Techniques in Deregulated Power Markets.
16	A.M. Nikalji	Mech. Engg.	Dr. A. Kumar	Influence of process parameters and powder addition in the dielectric fluid for EDM of Titanium Alloy and Maraging Steel.
17	Janardhan Banothu	Chemistry	Dr. B. Rajitha	Studies on the synthesis of heterocyclic compounds, spirocyclopropane derivatives and their biological activities
18	L. Suvarna Raju	Mech. Engg.	Dr. A. Kumar Prof. P. Indreswaraiah	Characterization of friction stir welded copper and copper surface composites
19	Raju Bhukya	C.S.E.	Prof.DVLN.Somayajulu	Comparative study of pattern matching techniques and DNA Data optimization using different repeats with biological sequences
20	T. Rahul	School of Management	Dr. Ritanjali Majhi	Development and performance evaluation of novel prediction models for retaining mobile phone users
21	Dhekekar Ram Shankara Rao	Electrical Engg.	Dr. N.V. Srikanth	Reactive Power Control of Transmission lines with harmonic minimization using novel controls and topologies of shunt FACTS devices
22	Ravi Kumar Jatoth	E.C.E.	Dr. T.Kishore Kumar	
23	Purushothma B.R.	C.S.E.	Prof. B.B. Amberker	Cryptographic Solutions to Security Issues in key management and cloud computing
24	Gemechis File Duressa	Mathematics	Prof. Y.N. Reddy	Numerical Treatment of Singularly perturbed differential difference equations
25	Ms. S.V.N. L. Lalitha	Electrical Engg.	Prof. M. Sydulu	Effective Transmission pricing schemes in deregulated environment using direct & Bio-inspired techniques
26	Devaraju, A	Mech. Engg.	Dr. Adepu Kumar	Fabrication and characterization of 6061-T6 Aluminium Alloy Surface Composites by friction stir processing
27	Muralasetti Nookaraju	Chemistry	Prof. I. Ajit Kumar Reddy	Synthesis characterization and catalytic applications of Redox and acid functionalized mesoporous Silica
28	G. Srinivas	Chemical Engg.	Prof. Y. Pydisetty	Drying of particulate solids in batch and continuous fluidized beds
29	Tewodros Birhanu Aychiluhim	Chemistry	Prof. V. Rajeswar Rao	Synthesis of Nitrogen and Sulphur heterocyclic compounds using multi component approach
30	Sowri Babu Kotikala	Physics	Prof. A.R.C. Reddy	Photolumine scence studies on ZnO and its Nano composites
31	Desavale Ramchandra Ganapati	Mech. Engg.	Prof. R.V. Chalam	Theoretical and experimental studies of vibrations produced by single and multiple defects in rotor-bearing systems using experimental data based models
32	Pavan Kumar	Mathematics	Prof. Debashis Dutta	Some studies on single and multi objective inventory models in crisp and fuzzy environment
33	Gurju Awgichew Zergaw	Mathematics	Prof. G. Radha Krishnama Charya	Effect of slip on stenotic region flow of non-newtonian fluids
34	Chaitanya Kumar. K	Chemistry	Prof. B.V. Appa Rao	Studies on corrosion inhibitors to mitigate general corrosion and microbial corrosion of Cu-Ni (90-10) alloy in seawater environment
35	Surinder Ontela	Mathematics	Dr. D. Srinivasa Charya	Convection in a doubly stratified viscous fluid and nanofluid saturated porous medium

36	Santhosh Kumar	Chemistry	Dr. Vishnu Shanker	Development of Novelg-c_3N_4-based hybrid nano composites for photo catalytic applications under visible light
37	Sreenivasulu Ballem	Mathematics	Dr. K.N.S. Kasi Viswanadham	Numerical solution of higher order boundary value problems by galerkin method with different orders of B-splines
38	Ramaraju. B	Biotechnology	Dr. P. Sreenivasa Rao	Development of yeast cell factory for improved production of Isoprenoids
39	B. Sreedhara Rao	Chemical Engg.	Prof. R.C. Sastry	Heat Transfer studies of newtonian fluids in corrugated plate heat exchangers
40	Shrikant Dinkarrao Londhe	Mech. Engg.	Prof. C. Gururaja Rao	Conjugate mixed convection with surface radiation from uniformly and discretely heated vertical channels
41	Diddi Kumaraswamy	Mathematics	Dr. A. Banerji Babu	Quantitative Analysis and Stability of Methods for Singularly Perturbed Differential Difference Equations
42	Venkatarajam Marka	Mathematics	Dr. R.S. Selvaraj	Codes in Rosenbloom-Tsfasman Metric: Constructions and Properties
43	Syed Taqi Ali	C.S.E.	Prof. B.B. Amberker	Attribute Based Group Signature Schemes with Attribute Anonymity and Constant Size Signature
44	Nagesh Bhattu Sristy	C.S.E.	Prof. D.V.L.N. Somayajulu	A study of weakly supervised learning algorithms for sentiment analysis
45	Somaraju Suvvuri	C.S.E.	Dr. R.B.V. Subramanyam	Data Mining Algorithms for Certain In-Depth Analysis on Frequent Patterns in Large Databases
46	Chirala Hari Krishna	Mech. Engg.	Dr. M.J. Davidson	Experimental and Finite Element Investigations on Formability of AA2014 Billets under simple upsetting
47	B. Anji Reddy	Chemical Engg.	Prof. R.C. Sastry	Studies on Gasification of Solid Waste Biomass in downdraft Fixed Bed Reactor
48	Srinivas. J	Mathematics	Prof. J.V. Ramana Murthy	Analysis of entropy generation rate for immiscrible non-Newtonian fluid flows with couple stresses in a channel configurations
49	Meduri Phani Kumar	Mathematics	Prof. J.V. Ramana Murthy	Viscous Fluid Flow Past a Solid/Fluid Sphere at Moderate Reynolds Numbers Using Homotopy Analysis Method
50	Mekala Mallaiah	Chemical Engg.	Prof. G. Venkat Reddy	Esterification of acetic acid with methanol by catalytic reactive distillation: Pore diffusion model
51	Putha Kishore	Physics	Dr. D. Dinakar Dr. K. Srimannarayana	Experimental Studies on Intensity Modulated Fiber Optic Vibration Sensors for Real Time Applications
52	Tippiripati Vinay Kumar	Electrical Engg.	Dr. S. Srinivasa Rao	Reduction of Torque and flux ripple in direct torque controlled induction motor drive
53	Ms. B. Nagalakshmi Devi Pudi	Chemical Engg.	Prof. Y. Pydi Setty	Studies on Biological Nitrification of Ammoniacal Wastewater
54	Siva Prasad Nandyala	E.C.E.	Dr. T. Kishore Kumar	Investigation of different Automatic Speech recognition Algorithms using Fusion Techniques and Adaptive Filtering

Number of Ph.Ds. Awarded from 01.04.2014 to 31.03.2015

1.	Civil Engineering	:	01
2.	Electrical Engineering	:	05
3.	Mechanical Engineering	:	07
4.	Electronics & Commn. Engg.	:	02
5.	Chemical Engineering	:	07
6.	Computer Science & Engg.	:	08
7.	Biotechnology	:	02
8.	Mathematics	:	11
9.	Physics	:	02
10.	Chemistry	:	08
11.	School of Management	:	01
	Total	:	**54**

7.3 RESEARCH PROJECTS

DEPARTMENT OF CIVIL ENGINEERING

A. Intradisciplinary Projects

i) Completed

Name of the Project	Name of the Coordinator(s)	Sanction Letter and Date	Amount sanctioned (Rs. in lakhs)	.Funding Agency
Lake Dynamics and their interaction with aquifers in Warangal City using Isotope Studies	Dr. E Venkata Rathnam and Prof. K V Jayakumar	No.SR/S3/ENGF-01120D0t2.I/6 Nov 2010	19.8	CWRDM-DST

ii) Ongoing

Name of the Project	Name of the Coordinator(s)	Sanction Letter and Date	Amount sanctioned (Rs. in lakhs)	Funding Agency
Sealing of Gravel Roads	Prof. C.S.R.K. Prasad (Principal Investigator) Dr. Venkaiah Chowdary (Co-Investigator)	No. E6/Pilot projects/2008, 27.05.2009	19.5	Ministry of Rural Development
Influence of Mix Properties on the Permanent Deformation Characteristics of Asphalt Mixtures	Dr. Venkaiah Chowdary	NITW/DIR/2012/244/ 2022, 14.09.2012 03.50	3.5	MHRD Seed Grant, NIT Warangal
Effect of Aging on the Mechanical Response of Asphalt Binders	Dr. Venkaiah Chowdary	SB/FTP/ETA-148/2012, 20.05.2013	20.90	Department of Science and Technology
Development of Precise and Real Time Simulation Watershed Modeling System Using Advanced Geospatial and Soft Computing Methods	Dr. Venkata Reddy K and Prof. Deva Pratap	DST/TM/WTI/2K12/47 (G) dated 26.09.2013	15.53	DST-WTI
DST Fast Track Project for Young Scientists titled "Pedestrian Behaviour Dynamic Analysis near Intersections and Terminals"	Dr. Ravi Shankar KVR	SERB/F/1821/2014-15 dated 18-06-2014	21.72	DST, Government of India
MOUD COE on Urban Transport	Prof. CSRK Prasad		132.50	MOUD, GOI Delhi
Sensitivity of Seismic Vulnerability Assessment of Reinforced Concrete Structures using Fragility curves	Dr. M.V.N. Siva Kumar	2014	5.00	MHRD Seed Grant, NIT Warangal
Integrated Urban Flood Management in India: Technology Driven Solutions	Prof. N V Umamahesh	ITRA/15(68)/Water/IUFM/01, 20.09.2013	66.83	ITRA, DEIT, MCIT, GOI
Fly ash to control acid/alkali induced volume changes in soils	Dr. P. Hari Prasad Reddy	No.SB/FTP/ETA-412/2012 Dated: 21/05/2013	25.00	DST
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, NITW Dr.Vaibhav Goud, IIT G Dr.S.S.Baral, BITS Goa Campus	BT/PR3628/GBD/27/387/2012, Dt.08.7.2014	27.428	Department of Biotechnology

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)	Sanction Letter and Date	Amount sanctioned (Rs. in lakhs)	Funding Agency	Collaborating Department(s) / Organisation(s)
Investigation of hydrodynamics of surface aeration tanks and validation of CFD models using radioactive particle tracking (RPT) technique	Dr. Ajey Kumar Patel (PI) Prof KV Jayakumar (CoPI) and Dr. Venu Vinod (CoPI)	35/14/32/2014-BRNS, dated 23.05.2014	24.63	BRNS, Mumbai	Civil Engineering and Chemical Engineering

DEPARTMENT OF ELECTRICAL ENGINEERING

A. Intradisciplinary Projects

i) Completed : NIL

ii) Ongoing : NIL

iii) Communicated only

Name of the Project	Name of the Coordinator(s)	Sanction Letter and Date	Amount sanctioned (Rs. in lakhs)	Funding Agency
Design and Control of Unified Power Quality Conditioner based on Photovoltaic to improve quality of supply	Dr.G.Siva Kumar Dr.D.V.S.S.Siva Sarma	24/02/2015	Rs.26 lakhs	Applied to DRDO
Development of control strategies of multifunctional inverter for integration of renewable energy resources to grid with power quality enhancement features	Dr.D.V.S.S.Siva Sarma, Dr.S.Srinivasa Rao Dr.G.Siva Kumar	18/09/2014	Rs.71 lakhs	Applied to CPRI, Bangalore
Development and testing of wavelet modulated inverters for power quality improvement of grid connected solar photovoltaic system	Dr.S.Srinivasa Rao Dr.D.V.S.S.Siva Sarma Dr.Bhagwan K.Murty	18/09/2014	Rs.118 lakhs	Applied to Ministry of New and Renewable Energy, Govt. of India

B. Interdisciplinary Projects

i) Completed: NIL

ii) Ongoing: NIL

DEPARTMENT OF MECHANICAL ENGINEERING

A. Intradisciplinary Projects

i) Completed

Sl. No.	Name of the Project	Name of the Coordinator(s)	Sanction Letter and Date	Amount sanctioned (Rs. in lakhs)	Funding Agency	Collaborating Department(s) / Organisation (s)
1	Estimation of initial moisture content of moist objects	Dr.Chandramohan V.P.	Ref. No. NITW/AC-7/RSG-Bdgt/2013-14/4042 Dated 25/01.2014 and NITW/AC-7/RSG-Bdgt/2014-15/2662 dated 7/11/2014	5.2	NIT Warangal - RSG	Nil
2	Euglena a kind of Algae as a Bio-Diesel	Dr.A.Veeresh Babu	No. Lr.No.09/APCOST/ Res. Proj./2012-13 dt 20.09.2013	150000/-	APCOST	

ii) Ongoing

S No	Title of the project	Agenncy	Amont	Year	PI
1	National Mission Project on Education through ICT: Mechatronics	MHRD, Govt. of India	8 Lakh	2008-	Dr. V. Vasu
2	Experimental Studies on Wire Electric Discharge Machining	Department of Science and Technology (DST), MHRD (Fast-Track Scheme), Govt. of India	21.10 Lakh	2012 -	Dr. N. Venkaiah
3	Single Discharge Analysis of Electric Discharge Machining	MHRD's Research Seed Money (RSM) Scheme	3.15 Lakh	2013 -	Dr. N. Venkaiah
4	Improvement of Mechanical Properties of Dissimilar Weld of Margining Steel and AISI 4130 Steels using Various Welding Processes for LRSAM Project	DRDL-Hyderbad	21,40,000	Nov 2013	Dr.A.Kumar
5	Design and Development of an Efficient and Cost Effective Solar Water Latent Heat Storage System – SB/FTP/ETA-0130/2014	DST-SERB Start-Up Research Grant (Young Scientists)	29.81 lakhs	2015-2017	Dr.D. Jaya Krishna
6	Investigation of Corrosion on Metals with Phase Change Materials for a 30°C – 100°C temperature range Solar Thermal Heat Storage Applications	MHRD –NIT Warangal	3 lakhs	2014-15	Dr.D. Jaya Krishna
7	Investigations on thermal performance of two-phase natural circulation loop filled with nanofluid under atmospheric and sub-atmospheric conditions.	BRNS	18 L	2014	Dr. Kiran Kumar K
8	Investigations on heat transfer augmentation in a rectangular thermosyphon loop by using nanofluids: mini to large scale study.	DST	24L	2013	Dr. Kiran Kumar K
9	Experimental and Numerical Investigations of Lubricated Sliding Contacts with Different Texture Shapes	MHRD –NIT Warangal	5 lakhs	2014-15	Dr.Syed Ismail

10	Modelling Studies on the Hot Deformation and Densification Behaviour of Sintered Al-TiB2 composites and its Tribological Characterisation	Csir	12.6 Lakhs	2013	M J Davidson
11	Evaluation of optimum machining parameters while machining Nimonic alloy (C263)-Development of genetic programming models	DRDL, Hyderabad	10.0	June, 2013	Dr. P.S.C.Bose
12	Machinability and wear studies of Niobium,Nicrofer C263 super alloys	NITW	3.3	2012	Dr. P.S.C.Bose
13	Machinability and wear studies of high temperature alloys and effect of nano fluids	NRB	24.1	January, 2015	Dr. P.S.C.Bose
14	Advanced Planning and Scheduling Tool for Defence Industries	DRDL, Hyderabad	9.9	2014	Co PI Dr. P.S.C.Bose

B. Interdisciplinary Projects

i) Completed

Name of the Project	Name of the Coordinator(s)	Sanction Letter and Date	Amount sanctioned (Rs. in lakhs)	Funding Agency	Collaborating Department(s) / Organisation(s)
Fabrication of Transmission Line inspection Robot	Dr. V. Vasu		Rs. 60,000	IE India	Department of Computer Engg

ii) Ongoing

Name of the Project	Name of the Coordinator(s)	Sanction Letter and Date	Amount sanctioned (Rs. in lakhs)	Funding Agency	Collaborating Department(s) / Organisation(s)
TEQIP-II CoE	Prof. S Srinivasa Rao and 14 more faculty members	29.03.2013	Rs. 5.00 crore	TEQIP	Mechanical Engg. Dept. Chemical Engg. Dept. Electrical Engg. Dept. Department of Physics Department of Chemistry

ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT

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
Design of optimum phased array and Identification of Faulty Elements	Prof. N.V.S.N. Sarma		9.9 Lakhs	DRDO

ii) Ongoing

Name of the Project	Name of the Coordinator(s)	Sanction Letter and Date	Amount sanctioned (Rs. in lakhs)	Funding Agency
Study and development of real time adaptive filter algorithms for sensor measurements	Dr.T.Kishore Kumar		8.50 Lakhs	RCI, DRDO
MHRD NMEICT Project in collaboration with IIT Kharagpur-Developing E-Learning material for UG students across India	Dr.T.Kishore Kumar		7 lakhs	MHRD
Characterization of Dual Polarized Waveguide Slot Radiator	Dr. D. Vakula	RCI/DCCMM/UPD/CARS-0333, Dt. 21.11.2014	9.8 lackhs	RCI
DSP and Multimedia Instructions for 32-bit MIPS Processor	Dr. B.Lakshmi		9.9lakhs	DRDO, ANURAG

B. Interdisciplinary Projects

i) Completed: NIL

ii) Ongoing

Name of the Project	Name of the Coordinator(s)	Sanction Letter and Date	Amount sanctioned (Rs. in lakhs)	Funding Agency	Collaborating Department(s) / Organisation(s)
Scheme of Financial assistance for setting up of Electronics and ICT Academics		26-03-2015	147.48 crores	MHRD	

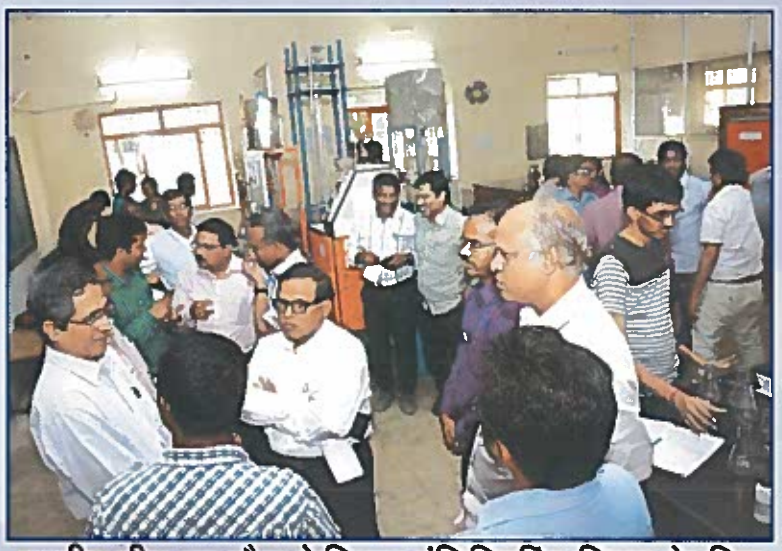
DEPARTMENT OF METALLURGICAL AND MATERIALS ENGINEERING

A. Intradisciplinary Projects

i) Completed : NIL

ii) Ongoing

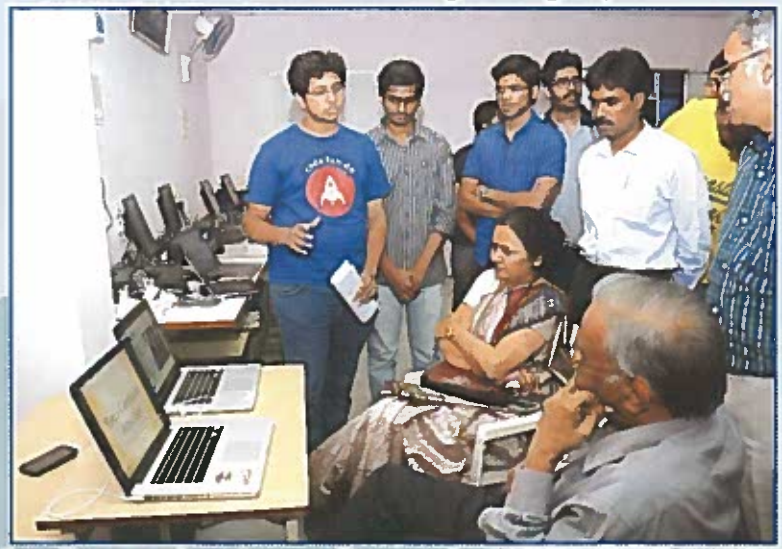
Name of the Project	Name of the Coordinator(s)	Sanction Letter and Date	Amount sanctioned (Rs. in lakhs)	Funding Agency
Enhancement of Type-IV cracking resistance of modified 9Cr-1Mo ferritic steel by thermo mechanical treatment	Prof. T. Srinivasa Rao & Prof. G. V. S. Nageswara Rao	36(2)/14/42/2014-BRNS/0945 dated 3rd July 2014	40.025	DAE-BRNS



एनबीए टीम का दौरा केमिकल इंजिनियरिंग विभाग के लिए
NBA Team visit to Chemical Engineering Department



एनबीए टीम का दौरा केमिकल इंजिनियरिंग विभाग के लिए
NBA Team visit to Chemical Engineering Department



एनबीए टीम का दौरा कंप्यूटर विज्ञान और इंजीनियरिंग विभाग के लिए
NBA Team visit to Computer Science and Engineering Department

Influence of Gas Tungsten Arc Welding on Microstructure and Tensile Properties of Cu modified Ti-6Al-4V alloy.	Prof. G. V. S. Nageswara Rao	ERIP/ER/1106021/M/01/1500, Dated 18 Nov. 2103	20.77	DRDO-ER&IPR
Development and evaluation of wear properties of boron carbide and chromium diboride for control rod applications in nuclear reactor	Prof. G. V. S. Nageswara Rao	2013/36/15-BRNS/0735 dated 06.06.2013	46.655	DAE-BRNS
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	22 (0597) /12/EMR-II1, dated 02.04.2012	19.69	CSIR
Development of Alumina-Zirconia-Titania Bioceramics	Dr. Ajoy Kumar Pandey	PA/2014/219/2574 Dated 15.09.2014	4.0	MHRD, RSG, NITW
Development of ZrB_2-SiC-Si_3N_4 ceramic composites for high temperature applications	Dr. G. Brahma Raju	PA/2014/219/2574 Dated 15.09.2014	5.0	MHRD, RSG, NITW
Development of ZrB_2-SiC-Si_3N_4 ceramic composites for high temperature applications	Dr. G. Brahma Raju	SB/FTP/ETA-0089/2014 Dated 29th December 2014	27.60	DST-SERB under scheme for YOUNG SCIENTISTS
Asymmetric Cryorolling of Shape Memory Alloys	Dr. R. Arockia Kumar	PA/2014/219/2574 Dated 15.09.2014	5.0	MHRD, RSG, NITW
Development of high strength Mg-base nanocomposites with LPSO phases using powder metallurgy and spark plasma sintering	Dr. Bonta Srinivasa Rao	PA/2014/219/2574 Dated 15.09.2014	4.5	MHRD, RSG, NITW

B. Interdisciplinary Projects

i) Completed

Name of the Project	Name of the Coordinator(s)	Sanction Letter and Date	Amount sanctioned (Rs. in lakhs)	Funding Agency	Collaborating Department(s) / Organisation(s)
Evaluation of Ti-15-3 Beta Titaniumm alloy for high strength fasteners for space applications.	Prof. M. K. Mohan Prof. M. Nageswara Rao Dr. Bhanu Pant	2011-2014	16.79	RESPON D-ISRO	Departemnt of Mechnical Engineering,VIT, Vellore VSSC, Trivandrum

ii) Ongoing

Name of the Project	Name of the Coordinator(s)	Sanction Letter and Date	Amount sanctioned (Rs. in lakhs)	Funding Agency	Collaborating Department(s) / Organisation(s)
Electrochemical and surface analytical studies of corrosion behaviour of selected superalloys in marine gas turbine engine conditions	Prof. B. V. Appa Rao Prof. M. K. Mohan	2014-2017	19.97	NRB, DNRD	Chemistry
Mitigating the environmentally induced degradation and improving the ductility of flow formed maraging steel tubes	K. Devendranath Ram Kumar Prof. M. Nageswara Rao Prof. M. K. Mohan	2014-2017	10.0	DRDL	Department of Mechanical Engineering , VIT, Vellore
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)	NRB-307/MAT/13-14; Dated 23. 12. 2013	23,40,250	NRB, DRDO	(i) Dept. of Chemical Engineering (ii) Dept. of Chemistry

DEPARTMENT OF CHEMICAL ENGINEERING

A. Intradisciplinary Projects

i) Completed

Name of the Project	Name of the Coordinator(s)	Sanction Letter and Date	Amount sanctioned (Rs. in lakhs)	Funding Agency
Fluid & Particle Mechanics, Developing suitable pedagogical methods for various classes, intellectual calibers and research in e-learning	Dr. A. Venu Vinod, & IIT Khargpur	2009-12	08	National mission project on education through ICT. MHRD
Fluid Mechanics	Prof. R.C. Sastry (Co-developer)			MHRD

ii) Ongoing

Name of the Project	Name of the Coordinator(s)	Sanction Letter and Date	Amount sanctioned (Rs. in lakhs)	Funding Agency
Steady state simulation of CO_2 absorption column using MEA solvent	Mr. A. Sarat Babu & Dr. V. Ram Sagar	2015-16	1.52	M/S S. S. Gas Labs (Asia) Pvt. Ltd., Delhi

Development of cellulose acetate based nanoporous membranes for fluoride removal from ground water	Dr. R. Sathish Babu, Dr. K. Anand Kishore & Dr. Shirish H Sonawane	02 (0215)/14/MR-II	22.42	CSIR, New Delhi
Development of dispersion process of high solid containing propellant slurry with nano aluminum particles	Dr. Shirish H Sonawane, Dr. Y. Pydi Setty & Dr. S.Srinath	ISRO RS 746 GOI/28-03-2013	10.40	ISRO Bangalore
Synthesis of nanohydrogel and Devlopment of hybrid waste water treatment technique using cavitation technique and hydrogel	Dr Shirish Sonawane	29 Nov 2013	58	Ministry of Environment and Forest New Delhi
Prototype development of fuel cell using nano functional meterials	Dr. Shirish H Sonawane	1(07/2014-EMCD, Dt.29.5.2014	104	Department of information technology, Govt. of India
Development of nano hybrid self healing coating using ultrasound assisted encapsulation approach for anticorrosion performance	Dr. Shirish H Sonawane & Dr. S.Srinath	ERIP/ER/1206027/M/01/1539, Date 17.6.2014	34	EP & IPR, DRDO, Govt. of India
Theoretical and experimental studies on chemical looping combustion of Indian coal	Dr. P. V. Suresh	2015	27.56 (revised to 30.34)	SERB, DST

Other Projects:

B. Interdisciplinary Projects

i) Completed – Nil

ii) Ongoing

Name of the Project	Name of the Coordinator(s)	Sanction Letter and Date	Amount sanctioned (Rs.in lakhs)	Funding Agency	Collaborating Department(s) / Organisation(s)
Designing and assessment of a dynamic perfusion bioreactor for polymer guided bone regeneration by using mesenchymal stem cells	Dr. Srinivas Rao & Dr. Shirish H Sonawane	Feb 2014	11.1	Department of biotechnology, Govt. of India	Biotechnology
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 Dec 2013, DNRD/05/4003 /NRB/307 (3 Years)	23.4	Naval Research Board, India	Chemistry and Metallurgical and Materials Engineering

DEPARTMENT: COMPUTER SCIENCE & ENGG.

A. Intradisciplinary Projects

i) Completed: Nil

ii) Ongoing

Name of the Project	Name of the Coordinator(s)	Sanction Letter and Date	Amount Sacntioned (Rs. In lakhs)	Funding Agency
Mini Centre of Big Data	Dr. R.B.V. Subramanyam& Prof. D.V.L.N. Somayajulu	2014	100	NIT Warangal
Secure SMS Using koblitz curve based ECC on androidDevices	Dr. R. Padmavathy	2014	7.07	DST-SERB
Automata Theory	Prof. T. Ramesh	2014	7	MHRD, Govt, India (through IIT Kharagpur)
Compiler Design	Dr. U.S.N. Raju	2014	7	MHRD, Govt, India (through IIT Kharagpur)
Cryptography and Applications	Prof. B.B. Amberker	2014	7	MHRD, Govt, India (through IIT Kharagpur)
Data Mining	Dr. R.B.V. Subramanyam	2014	7	MHRD, Govt, India (through IIT Kharagpur)
Data Warehousing	Prof.D.V.L.N.Somayajulu	2014	7	MHRD, Govt, India (through IIT Kharagpur)
File Structure	Dr. K. Ramesh	2014	7	MHRD, Govt, India (through IIT Kharagpur)
Mobile Computing	Dr. R.R. Rout	2014	7	MHRD, Govt, India (through IIT Kharagpur)

DEPARTMENT OF MATHEMATICS:

A. Intradisciplinary Projects

i) Completed : NIL

ii) Ongoing:

Name of the Project	Name of the Coordinator(s)	Sanction Letter and Date	Amount sanctioned (Rs. in lakhs)	Funding Agency
Laminar forced convection in thermally developing region of parallel plate channels partially filled with porous material: constant heat flux	Dr. D. Bhargavi	19-01-2013	Rs.1,82,784/-	MHRD RSM
Dispersion effects on convective flows	Dr.Ch. Ramreddy	07-01-2014	Rs. 4,00,000/-	MHRD RSG

DEPARTMENT OF PHYSICS

A. Intradisciplinary Projects

i) Completed

Sl. No	Name of the Project	Name of the coordinator(s)	Sanction letter & date	Amount sanctioned (Rs. in lakhs)	Funding Agency
1	Synthesis and characterization of phosphate and silicate based Bio active glasses and their ceramics for medical applications	Dr. P. Abdul Azeem	SR/S2/CMP-0090/2010(C)	16.97 Lakhs	DST

ii) Ongoing

Name of the Project	Name of the coordinator(s)	Sanction Letter and Date	Amount sanctioned (Rs. in lakhs)	Funding Agency
Optical and lifetime studies of 1,2-Diaroyl/heteroaroyl Benzenes and organic light emitting diode (OLED)	Dr. K. Thangaraju	SERB/SR/FTP/PS-162/2012 and 18-11-2013	23.34 Lakhs	DST-SERB-YSS
Effects of electron beam irradiation on poly lactic acid blends and composites	Dr. T. Venkatappa Rao, Prof. SVS Ramana Reddy	35/14/55/2014-BRNS Dt. 1.1.2015	17.715 Lakhs	BRNS, DAE, Govt. of India.

DEPARTMENT OF CHEMISTRY

A. Intradisciplinary Projects

i) Completed

Name of the Project	Name of the Coordinator(s)	Sanction Letter and Date	Amount sanctioned (Rs. in lakhs)	Funding Agency
Development of Benzoxazole, Benzthiazole and Benzimidazoles Based Novel Cationic Amphiphiles for Non-Viral Gene Delivery Targeting to Tumors	Dr. P.V.SRILAKSHMI	**SR/FT/CS-043/2009** January 20, 2010	17 Lakhs	FAST TRACK PROPOSAL FOR YONG SCIENTIST, DST
Rational Design and Synthesis of Dimerizable and Targetable Cationic Peptide Amphiphiles for Non-viral Gene Delivery	Dr. P.V.SRILAKSHMI		10 Lakhs	CSIR
Synthesis, characterization and doping effect-studies of complex metal oxide nano particles.	Dr. Vishnu Shanker	SR/FT/CS-096/2009	19.45 Lakhs	DST-Govt. of INDIA

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, PI Dr.B.V.Appa Rao, Co PI	April 2012	19.7 Lakhs	DRDO, Govt.India

Pedagogy Research Project, I B.Tech Chemistry	Dr.B.V.Appa Rao, PI Dr.A.Ramachandraiah, CoPI Dr.I.A.K.Reddy, CoPI	December 2013	5 lakhs	MHRD, GOI
Synthesis and Analysis of LINAZOLID	Prof. G.V.P.Chandramouli	Sanctioned from 25-02-2015	8.0 Lakhs	M/S Symed Labs,Hyderabad
FIST	Prof. K. Laxma Reddy	Dy.No.100/FD/11375/2010	40.0 lakhs	DST, New Delhi Nil
Development of Pyrazole, Triazole and Tetrazole Based Novel Cationic lipids for Targeting Non-viral Gene Delivery to Tumors	Dr. P.V.SRILAKSHMI	SR/SO/BB-0033/2011. January 22, 2013	31.60 lakhs	SERB-DST, New Delhi
Design and synthesis of (-)-kaitocephalin derivatives and their pharmacological evaluation as ionotropic glutamate receptor (iGluRs) antagonists	Dr. D. Kashinath	4 Dec 2012	24.5 lakhs	DST (SERB)
Novel glycosylation methods and their application to biologically important molecules	Dr. K. Hari Prasad	Sanctioned from 30.10.2015	35.0 Lakhs	DST-INSPIRE
N-Heterocyclic Carbene Catalyzed Tandem [2+2] and [4+2] Cycloaddition Reactions: Application in the Synthesis of Bioactive Compounds	Dr. K. Hari Prasad	Sanctioned from 31.10.2015	23.0 Lakhs	DST-SERB

B. Interdisciplinary Projects

i) **Completed - Nil**

ii) ***Ongoing*** **: NIL**

Name of the Project	Name of the Coordinator(s)	Sanction Letter and Date	Amount sanctioned (Rs. in lakhs)	Funding Agency	Collaborating Department(s) / Organisation(s)
Simmulation of pitting corrosion and galvanic corrosion in stressed and un stressed parts subjected to chloride environment	Dr.T.Sunil Kumar, PI Dr.B.V.Appa Rao, CoPI Dr.N.Narasaiah, Co PI	23-12-2013	Rs.23.4 lakhs	Naval Research Board, Govt.India	Chem.Engg, Chemistry, Metallurgical Engg.
Centre for Sustainable and Alternate Energy Systems	Prof. A. Ramachandraiah Dr. KV Gobi		5 crore	MHRD	

SCHOOL OF MANAGEMENT

A. Intradisciplinary Projects

i) Completed : NIL

ii) Ongoing

Name of the Project	Name of the Coordinator(s)	Sanction Letter and Date	Amount sanctioned (Rs. in lakhs)	Funding Agency
A study on Research and consultancy activities of NIT system in India-Ritanjali Majhi-SOM	Dr.Ritanjali Majhi	F.No. DST/NSTMIS/05/143/ 2011-12,Dt.06.08.2012	16.02	DST

B. Interdisciplinary Projects

i) Completed : NIL

ii) Ongoing

Name of the Project	Name of the Coordinator(s)	Sanction Letter and Date	Amount sanctioned (Rs. in lakhs)	Funding Agency	Collaborating Department(s) / Organisation(s)
Employment and Women Issues in Tribal Areas: A study	Prof P Sammulal Dr P Ramlal (Co Investigator)	-	13.5	UGC New Delhi	Kakatiya University

BIOTECHNOLOGY

B. Interdisciplinary Projects

i) Completed - Nil

ii) Ongoing

Name of the Project	Name of the Coordinator(s)	Sanction Letter and Date	Amount sanctioned (Rs. in lakhs)	Funding Agency
Bioethanol Production from Cellulosic Biomass by immobilized yeast cells	Dr. K Narasimhulu	SERB/F/1819/2014-2015 dt:18-06-2014	23.00	DST
Process development for cellulose acetate based nanoporous membranes for arsenic and fluoride removal from ground water to make potable water	Dr. R. Satish Babu	02(2015)/14/EMR-II dated 17-11-2014 (Recommended for funding)	21.84	CSIR
Development of Immunosensor for Detection of Cancer Biomarkers for Early Diagnosis	Dr. Urmila Saxena	SB/FTP/ETA/-0103/2014 , dt: 29/12/2014 (Recommended for funding)	23.00	DST
Studies on the operator DNA binding mechanism of Mce1R of mycobacterium tuberculosis H37Rv	Dr. Amiatva Bandhu	SERB/LS-224/2014, dt: 9th October, 2014 (Recommended for funding)	23.00	DST

7.4 Sponsored Research and Industrial Consultancy

During the period **01-04-2014 to 31.03.2015 an amount of Rs. 45,10,553=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 following are the major Consultancy services that include the Determination of Engineering properties for design of foundations and embankment beds bearing capacity, the strata Profiling, Characterization of foundation beds by SPT and also the Geo-technical investigations and suggestions for the failed earth dams, mining shaft and Monumental structures.

The organizations involved were:

- EE I&CADD, SRSP, HNK.
- DYEE, RWS & S, Khammam.
- EE. Project, Div, Adilabad.
- EE I&CADD, NSC, Miryalaguda.
- EE I&CADD, LMD Colony, Karimnagar.
- E.E. AMRSLBC (P) I&CADD, GVG, Nalgonda.
- DYGM, S.C.Co, Ltd., Bhupalpally.
- Project Officer, STPP, Jaipur, S.C.Co, Ltd, Adilabad.
- S.C.Co, Ltd, Ramagundam, Manuguru, Bhupalapally. And Mancherial.
- K.T. Power Project, Warangal.
- DY.GM, NTPC, Simhadri. And some other organizations.

The total earning by this Laboratory during the above period is Rs: ***8,14,888=00***

(b) Structures Division:

The following major consultancy works were undertaken.

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

- The Commissioner, Nirmal Municipality, Adilabad..
- E.E. I&CADD, LMD Colony, Karimnagar.
- CE, (R&D) Military Engineer, Sec-bad.
- S.C.Co, Ltd, Ramagundam, Mandamarri, Bhupalapally. Mancherial.
- EE, (P.R) Div, Adilabad.
- E.E. I& CADD, Gauging div., LMD. Colony, Karimnagar.
- DYGM, S.C.Co, Ltd, Ramagundam Area-II.
- E.E. IFFC, Div-4, Kothapally, Karimnagar.
- A.G.M, Begumpet Airport, HYD.
- K.T. Power Project, Warangal.
- EE, I&CADD, Gauging Div, LMDC, Karimnagar.
- Smit. Consulting Engineer, K.P.Colony, HYD. And some other organizations.

The total earning by this Laboratory during the above period is Rs: ***17,10,568 =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:

- Manager, (c) FCI, Food Storage Dept, Kazipet Warangal..
- EE, (P.R) – Warangal,
- DYEE, (P.R) Eturnagaram Wgl.
- SE, S.C.Co, Ltd, Bhupalapally Area, WGL. And some other organizations.

The total earning by the Laboratory during the above period is Rs: ***2,43,821=00***

(d) Environmental Engineering Division.

The following major consultancy works were undertaken. Consultancy Works include Design of Effluent Treatment Plant, Water Testing, Planning, Advisory services to JKC Academic.

- Centenary Baptist Church, Warangal..
- EE, I&CADD, Gauging Div, LMD, Colony, Karimnagar. And some other organizations.

The total earning by this Laboratory during the above period is Rs. ***30,000=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.

- SE, S.S.L.C. & SB, Circle, NELLORE.
- I & CADD, JCR, GLIS, PH-II, Project Circle, Warangal.
- Chief Engineer, I & CADD, Priject (FAC), ONGOLE.
- CE, I&CADD, Ongole.
- Govt. of A.P. I & CADD, NSLI Circle, Nizamabad.
- Micro – LIS, Div. Mydukru. and some other organizations

The total earning by this Laboratory during the above period is Rs: ***9,55,060=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.
- Deepak Wardheeceo, Krishna Water & Chemical Services, GHB, SURAT.
- EE, T.R. Engg. Collage,-STEP, Tiruchirappalli.
- S.S, Gas Lab, Asia Pvt Ltd., G.T.Road, Delhi. and some other organizations

The total earning by the Laboratory during the above period is Rs.: ***1,27,000=00***

4. DEPARTMENT OF MECHANICAL ENGINEERING:

The following major consultancy works were undertaken. Consultancy Works for Software Development Analysis Export .

- Director, Planning & Resources, DRDL, Ministry of Defence, HYD.

The total earning by the Laboratory during the above period is Rs: **6,29,216=00**

8.0 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 direct Shear apparatus (two numbers)
- Spectrophotometer
- Dynamic Shear Rheometer
- Bitumen Emulsion Particle Charge Tester
- Laboratory Jaw Crusher
- Rolling thin film oven
- Air compressors (small)
- Corelok
- Moisture induced sensitivity tester
- Hot air Oven
- Consolidation Test Apparatus
- Anaerobic Reactor
- 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
- Research Grade ISE Meter
- Electronic weighing balance, 32 kg, 0.1g
- Bitumen Emulsion Distillation Apparatus
- Fume Hood
- Pressure aging vessel
- Air compressor (large)
- PTV VISWALK
- UTM (50 t capacity) for testing geosynthetics
- High Performance Liquid Chromatography (HPLC)
- Gas Chromatograph

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
- Solar PV research cum training simulator
- dSPACE System
- 3 –phase Induction motors
- TMS 320LF 2407 – DSK Trainer Kits
- Transducer Trainer Kits, strain gauge
- Multi-channel Digital storage oscilloscopes
- 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
- Function generators
- Programmable DC power supply (Quantel)
- National Instruments – CRIO with I/O modules
- Doubly fed induction generator (2 nos.)
- ACE_1104
- Advanced Power Quality Analyzer
- 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
- DigSilent software
- Digital Storage Oscillscope
- Programmable DC power supply (TDK Lamda)
- dSpace DS 1104 R&D Controller & CLP 1104
- Switched Reluctance Motor with Converter, Control Module, Protection and Sensors;

MECHANICAL ENGINEERING

Laboratories:

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

Major Equipment:

- CNC Milling Machine-2 ½ axes (Denford, U.K.)
- D.C. Servo Robot – 5 axes (CRS Canada)
- EDM Equipment
- Dynamic – Vertical Milling Machine
- Smoker Meter
- Pyranometer
- Sunshine Recorder
- Solar Mini Lab
- Pi-Meter
- Digital Micro Manometer
- (Furnace Controls Ltd., U.K.)
- Kistler Pressure Transducers
- Piezoelectric Accelerometers
- Pulse Oximeter
- Dynamometers for Forces & Torques Measurement
- Omnigraphic series xy/ t recorder
- FFT Analyzer
- Gec-fanuc programmable logic controller
- Eurobtec modular educational system
- IDEAS (CAD/CAM Package)
- MASH Module (FMS Simulator)
- Single Cylinder Diesel Engine Test Rig
- Mechatronics Training System
- PLC Trainer Kits
- Modular Servo System
- Power Tools
- 150 Amp. Inverter based MMA welding equipment
- Electro Chemical Machining Unit
- Multipoint fuel injuction 4 cylinder petrol engine
- 4 Component quartz Dyanmo meter
- Automatic Studio
- Vibration Simulation Test Rig
- Single Cylinder Petrol Engine Test Rig
- Magnetic Crack Detector Unit
- 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
- Profile Projector
- Computer workstation
- Digital Bomb Calorimeter
- Ansys Academic Teaching/Research Mechanical and CFD software (including Fluent)
- Data Acquisition System
- Variable Compression Engine
- Air Jet Erosion
- PLM Software
- Four Ball Tester
- Friction and wear Tester
- 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
- Pyrheliometer 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
- MIMICS Software
- Gauge blocks
- Universal Hardness Tester
- Smoke Meter
- Work station
- Radial Drilling Machine
- Thermal IR Camera
- Nimonic C263 alloy
- Repair and Integration of Milling machine with As/Rs & Belt Conveyor
- Workstation

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

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)
- Communication Chassis
- Access Points
- Instrument Tutors
- Communication controller
- Modulation Tool kit
- Portable measurement instrument
- 34 channel logic analyzer
- Xilinx kintex-7 FPGA development kit
- Reconfigurable FPGA board
- Mixed domain Oscilloscope
- Image Processing
- Communication System modules
- Low end workstation
- Optical laboratory equipment
- Advanced microstrip
- IE3D SSD fullwave 3D software
- 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)
- Digital DMM
- Solar UPS
- Anti static table
- USRP
- Circuit design bench
- Rotary inverted pendulum
- 10 KVA UPS
- Net FPGA Cards
- HP Desktop systems
- SDR development platform with subsystems
- Arbitrary waveform generator
- Matlab software
- High end workstation
- Microwave equipment
- HFSS software simulation package
- Servers

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
- COGNOS, Clementine
- Purchased 40 HCL laptops and 7 Tablet PCs
- Big Data Servers
- Canon Xerox Machine
- IBM Rational Seed Program
- Desktop Computers (53)
- Numeric 10 KVA UPS system with DC power pack
- Computer Chairs without arms
- One Xeon Based Server, 10 Workstations and 25 Desktop Systems with 3D Graphics
- Six ACs are procured and installed for HPC Lab.
- Servers
- IBM Rational Function Tester
- Desktop with monitor

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
- gPROMS
- Fluidized bed bio reactor
- Gas Chromotograph
- ASPEN PLUS software
- Prosimulator Software
- 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

- 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
- Network Printer
- Vibratory Feeder with Hopper
- Data acquisition system
- Particle Size Analzer
- PID Based Bioreactor
- Universal process control
- Workstations - 5 No.
- PEM fuel cell assemblies for MEA areas: 25, 50, 100, 300 cm^2 under RSG
- Tape casting machine
- Design expert software
- UV Visible spectrophotometer
- CHEMCAD software
- Ultrasound Probe
- CFX software
- Fluidized Bed Combustor
- 5 KVA UPS System
- Ultrasound Atomizer
- Pollution Testing Machinery
- Pelletzing Machine
- Corrugated Plate heat exchanger
- Thermal property Analyzer
- Aspen Plus 8.4
- Ultrasound Atomizer
- Three Tank process control
- Computer Server
- Software of ANSYS Academic HPC
- Work station under RSG
- GAMS modeling software under RSG
- Cooling Unit

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
- Disc Polisher – SR Technologies
- X-Ray Diffraction system (PANalytical) (Model: X'PERT Powder)
- Pin-On-Disc Wear Testing Machines
- Thermogravimetric Analyzer (CHAN-131)
- Digital Balance – AND GR-200
- Digital Microbalances
- Polymeter Extruder
- Multifle Furnace upto 1400°C
- Vickers Hardnes Tester
- Thermocalc Sofate
- DICTRA software
- Metallographic Work Station
- Magnetic Particle Testing Machine
- Binocular Upright Metallurgical Microscope
- Surface Roughness Tester
- Virtual Casting Simulation Software
- Oven – Instruments & Equipments Ltd
- Hydraulic press for powder compaction (30T) Optical Brinell Hardness Testing Machine, (OPAB-3000 – Hitech India Equipments Pvt Ltd)
- Optical Microscopes (3 No's) – SR Technologies
- Hydraulic Press (Capacity – 25T) – Kimaya Engineers
- X-Ray Diffraction System with Chiller and other Accessories
- 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
- High Energy Ball Mill
- ProCAST Softwar
- Optical microscopes with digital camera and Image

- Bench type Roll Mill
- Vickers hardness Testing machine
- Cannon Printer
- Electrochemical Workstation
- Electronic Analytical Balance with density
- Jominey End Quench Testing Setup
- High End Research Metallurgical Microscope
- Rotary Evaporator
- Precision Balance (2 Nos.)
- analysis
- PC, Color printer, 19" LCD monitor and 10kVA UPS
- Double disk polishers (4 nos.)
- measurement kit
- Research Metallurgical Microscopes (5 Nos.)
- Resonance Frequency Damping Analyzer
- VARE STRAIN tester
- Muffle furnance

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
- FPLC
- VLife MDS Software
- UV – Transilluminator
- Scanning Tunneling Microscope
- Gas Chromatograph
- Spectrophotometer
- Flame Photometer
- Fermenter Bioreactors
- Laminar Airflow
- VLife MDS, Bioinformatics Software
- SuperPro Designer 8.0, Software
- Inverted Microscope
- Refrigerated Laboratory Centrifuge
- HPLC
- Desktop Computers
- Micropipettes

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

PHYSICS

Laboratories:

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

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
- Fiber Optic Fusion splicer
- Benchtop Digital multimeter
- Benchtop ASE White light source
- Microheater for Optical fiber pulling, joining
- AC and DC current source
- Workstation (Z800)
- Richoh Xerox
- Spray Pyrolysis
- Thermal Evaporation Unit (Funded by TEQIP-II)
- Source meter
- UV Blocking Vacuum desiccator
- Microbalance
- VHF & Microwave Field Strength Meters
- High temperature Muffle Furnace
- 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
- Tubular furnace
- Planck's constant set up
- G.M. set up
- ASE White light Source (1525 – 1610 nm)
- Optigrating software
- Fiber Optic Fusion splicer
- SLD light Source (1310 & 1550 nm)
- FBG Interrogator
- Broad band source
- Laser diode and components
- Dual channel Optical Power and Energy meter and accessories
- Workstation (Z230)
- Programmable Spin Coater System
- Type-II De-ionized water unit
- Vaccum Oven
- Source meter
- Spectro-radiometer for EL measurements
- Dual channel syringe pump

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
- Hydrogenation apparatus
- 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
- Magnetic Susceptibility Setup
- Thermo 600 UV-VIS Spectrophotometer (with Reflectance attachment)
- High-Performance Liquid Chromatography (HPLC) Analyzer
- 400 MHz NMR Spectrometer
- Rota evaporators
- CO2 Incubator
- Gel Documentation
- Shimadzu UV-160 A Ratio Recording UV–Vis–NIR Spectrophotometer
- Shimadzu IR-408 infrared Spectrophotometer
- Vacuum pump (Rotary evaporator)
- 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
- Digital polarimeter
- Stopped Flow Kinetic Accessory
- Mettler M 5 & M3 Microbalances
  Polytron Magnetic Susceptibility Set-up
- Digital Ptentio meter
- Shaking Incubator
- 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
- Flash Chromatography
- FT-IR (Accessories)
- UPS
- Cryostat-Water circulator pump
- Probe Sonicator
- Gas chromatography



एनबिए टीम का दौरा मैकेनिकल इंजीनियरिंग विभाग
NBA Team visit to Mechanical Enginnering Department



एनबिए टीम का दौरा इंडोर खेल परिसर के लिए
NBA Team visit to Indoor Games Complex



एनबीए टीम का दौरा संस्थान जिमनैजियम के लिए
NBA Team visit to the Institute Gymnasium

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	Programming	PCS Limited	45	1st Year B.Tech
2	Language	PCS Limited	35	1st Year B.Tech
3	Graphics Laboratory	HCL Info Systems Ltd	48	1st Year B.Tech
4	Computing	Dell Inc Optiplex 760	38	IInd Year B.Tech
5	CAD -2	Dell precision 390 &490	38	1st Year M.Sc Physics
6	CAD-1	HCL Info System Ltd	60	2nd Year B.Tech

B. HARDWARE CONSOLIDATED

S.No.	Processor	Number of Systems	OS Loaded	RAM	Beneficiary Class
1	Intel(R) Pentium (R) 4 CPU@3.00GHZ 80 GB HDD	45	Windows XP Linux Operating System	512 MB	1st Year B.Tech
2	Intel(R) Pentium (R) 4 CPU@3.00GHZ 80 GB HDD	35	Windows XP Linux Operating System	512 MB	1st Year B.Tech
3	Intel(R) Pentium (R) 4 CPU@3.00GHZ 160 GB HDD	48	Windows XP	1GB	1st Year B.Tech
4	Intel (R) CoreTM2 Duo CPU@3.00GHz, HDD 300GB	38	Windows XP	4GB	IInd Year B.Tech
5	**DELL Precision 490** Intel R Xeon R CPU 5130 2.00 GHZ **DELL Precision 390** Intel R Pentium R CPU 3.00 GHZ HDD 160 GB	18 20	Window XP & Ubuntu 14.04	1GB	1st Year M.Sc Physics
6	HCL Info System Ltd., Pentium(R) CPU@3.06 GHZ 160GB HDD	60	Window XP	1GB	2nd Year B.Tech

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		Windows XP Linux Operating System	45	C++ (Linux OS)	

2		Windows XP	35	Soft Skills & Communication Skills	McAfee
3		Windows XP	48	Autocad 2009 Turbo C MS Office 2003	Yes McAfee
4		Windows XP	38	AutoCAd 2010 MATLAB 2009 ANSYS 11 Creo 5.0 & ProE 4.0 Visual Basic 2006 Turbo C MS Office 2003	Yes McAfee
5		Window XP & Ubuntu 14.04	38	Turbo C MS-Office 2003 MAT LAB	Yes McAfee
6		Windows XP	60	AutoCAd 2010 MATLAB 2009 ANSYS 11 Creo 5.0 & ProE 4.0 Visual Basic 2006 Turbo C MS Office 2003	Yes McAfee

D. SUPPORTING AND PERIFERAL HARDWARE

S.No.	Peripheral Type (Printer, Multimedia, Web-cam, etc)	Number	Systems Connected to Peripheral	Remarks
1	Projector (Make: Sony)	1	One	
2	Head Phones Projector (Make Sony)	30 1	30	
3	Projector (Make Sony)	1	One	
4	Projector (Make Sony)	1	One	
5	Projector (Make Sony)	1	One	
6	Projector (Make: Sony)	1	One	

E. NETWORKING AND INTERNET

S.No.	Network Group	Number Networked	Whether Internet Connected	Remarks
1	Client Server	45	Yes	No
2	Domain	48	Yes	
3	Domain	38	Yes	
4	Domain	38	Yes	
5	Domain	60	Yes	

2. UTILITY CONSOLIDATION

S.No.	Name of the Class	Turns Per Week	Lab Engaged	Teacher-in-Charge (Class)
1	1st Year B.Tech	12	Yes	Mrs. Kadambari USN Raju Sri Govinda Rao
2	1st Year B.Tech	10	Yes	Mrs. Madhavi Reddy Sri Vishwanathan
3	1st Year B.Tech	12	Yes	Dr. G. Venkateswara Rao Sri Nagasrinivas Sri Selvaraj
4	2nd Year B.Tech	8	Yes	Dr. Jaya Krishna Mrs. Navatha Dr. Srikanth
5	1st Year M.Sc (Physics)	4	Yes	Rakesh
6	2nd Year B.Tech	8	Yes	Dr. Srikanth Raghavendra

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 1,80,030 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. 8.85 crores.

ADDITIONS TO THE LIBRARY DURING THE YEAR 2014-15:

During the year 6,916 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 01.04.2014 to 31.03.2015	Rs. 94,46,673=00
Expenditure on Journals from 01.04.2014 to 31.03.2015	Rs. 8,03,062=00
Online E-Journals for the year 2015	Rs. 1,53,41,347=00
Book Bank for Needy Students total investment upto 31.03.2015	Rs. 7,22,148=00
Book Bank for SC/ST student's total investment up to 31.03.2015	Rs. 22,10,121=00
Book Bank for BCWD students up to 31.03.2015	Rs. 3,15,273=00
Book Bank for SC students up to 31.03.2015	Rs. 2,81,499=00
Book Bank for ST students upto 31.03.2015	Rs. 3,35,641=00
Expenditure of IT infrastructure, furniture and equipment	Rs. 6,43,742=00
Expenditure on Others	Rs. 1,99,074=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 1,84,380 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
- 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)
- Taylor & Francis (Five subjects)
- IEEE / IEE Electronic Library
- Royal Society of Chemistry (Gold)
- Springer Verlag Link
- 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.

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

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

SERVICES:

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

BEST PRACTICES :

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

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

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

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

LIBRARY STAFF:

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

9.3 Games and Sports Facilities

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 mandatory EAA (Extra Academic Activities) for the 1st year B.Tech. Students

Conducting Fitness and conditioning classes to all first year students regularly

A BRIEF REPORT OF THE SPORTS ACTIVITIES DURING 2014-2015

The department has Indoor (Modernised Fitness centre, two Snap Sports inter locking modular surface badminton courts and one wooden flooring badminton court) and outdoor sports (Flood lit Stadium 10000 seating capacity) 400mts track and facilities in almost all disciplines with flood lit, except swimming pool.

The department organised intramural competition branch wise in all the disciplines to give an opportunity to involve more number of student community. The department provided an opportunity to talented sportsmen and women to participate in extramural competitions like, Inter NIT sports meet and Inter University sports competitions regularly. The department organised Inter NIT tournaments and other invitation tournaments.

Inter University Tournaments

Our Institute teams have participated in the Inter University Tournaments in the following Games.

- Volley Ball (Men):From 8.10.2014 to 12.10.2014 organised by Sri Krishna University,Vijayawada (A.P)
- Kabaddi (Men):From 20.12.2014 to 24.12.2014 organised by VELS University, Chennai (TN)
- Ball Badminton: From 20.12.2014 to 24.12.2014 organised by SRM University, Chennai (TN)
- Basket Ball: From 3.1.2015 to 9.1.201 organised by Satyabhama University, Chennai (TN)
- Tennis: From 23.1.2015 to 25.1.2015 organised by SRM University, Chennai (TN)

Inter NIT Tournaments

Our Institute has organised the Inter NIT Football Tournament from 5.2.2015 to 8.2.2015. 21 NITs participated in the tournament. NIT Warangal Football team secured runners up position and NIT Durgapur secured winners position in the penalty shoot outs.

Our institute teams have participated in the Inter NIT Tournaments in the following Games

- Table Tennis: From 21.3.2015 to 23.3.2015 organised by NIT Bhopal
- Volleyball: From 28.3.2015 to 1.4.2015 organised by NIT Kurukshetra
- Basket Ball, Chess, Power Lifting, Weight Lifting, Best Physique: From 3.4.2015 to 5.4.2015 organised by SVNIT Surat and the boys brought laurels to the Institute by winning one Gold Medal in weight lifting(56kgs) one silver medal in power lifting(56kgs) three bronze medals in power lifting(75,77,82kgs)
- Cricket: From 13.2.2015 to 15.2.2015 organised by MNIT Allahabad
- Swimming: From 30.1.2015 to 1.2.2015 organised by KNIT Surathkal

Intramural Games and Sports

Our Institute has organised Intramural competitions in various games and sports to encourage the students to participate more in number and to spot out the talented player to participate in the extramural competitions. The schedule is as follows:

Ball Badminton (Men)

Sl.No.	Place	Department	Dates
1.	Winners	E.C.E	13.11.14 to 15.11.14
2.	Runners Up	Civil.Engg	
3.	Third Place	E.E.E	

Badminton (Men)

Sl.No.	Place	Department	Dates
1.	Winners	E.C.E	21.11.14 to 23.11.14
2.	Runners Up	Mech.Engg	

BasketBall (Men)

Sl.No.	Place	Department	Dates
1.	Winners	Civil.Engg	28.1.15 to 30.1.15
2.	Runners Up	Chemical.Engg	

Chess (Men)

Sl.No.	Place	Department	Dates
1.	1st place	Civil.Engg	7.1.15 to 9.1.15
2.	2nd Place	Chemical.Engg	
3.	3rd Place	CSE	

Cricket(Men)

Sl.No.	Place	Department	Dates
1.	Winners	M.M.E.	14.3.15 to 22.3.15
2.	Runners Up	Mechanical	

Caroms Singles (Men)

Sl.No.	Place	Department	Dates
1.	Winners	Civil.Engg	24.1.15
2.	Runners Up	Mechanical	

Caroms Single (Women)

Sl.No.	Place	Department	Dates
1.	1st place	E.C.E	24.1.15
2.	2nd Place	Chem.Engg	
3.	3rd Place	Chem.Engg	

Caroms Doubles (Men)

Sl.No.	Place	Department	Dates
1.	Winners		25.1.15
2.	Runners		
3.	Third		

Football (Men)

Sl.No.	Place	Department	Dates
1.	Winners	Civil	25.3.15 to 27.3.15
2.	Runner up	Mech.Engg	

Kabaddi (Men)

Sl.No.	Place	Department	Dates
1.	Winners	Civil.Engg	18.11.14 to 19.11.14
2.	Runner up	Chem.Engg	

Tennis (Men)

Sl.No.	Place	Department	Dates
1.	Winners	CSE	29.12.14 to 30.12.14
2.	Runner up	ECE	

Table Tennis (Men)

Sl.No.	Place	Department	Dates
1.	Winners	EEE	5.1.15 to 6.1.15
2.	Runner up	CSE	

VollyBall (Men)

Sl.No.	Place	Department	Dates
1.	Winners	MME	9.1.15 to 10.1.15
2.	Runners Up	Civil.Engg	
3.	Third Place	CSE	

Athletics: 06.1.15 to 08.1.15
AQUATIC: (MEN): 12.1.15
POWER LIFTING: 21.1.15
BEST PHYSIQUE: 22.1.15

- Best Sports Man for the year 2014-15 : V.Udaya Kumar of 4/4 MME
- Best uut Going Sports Women for the year 2014-15:
  1. A.Ramya Krishna, 4/4 Chem.Engg.
  2. B.Pallavi, 4/4 MME
- Best out going Sports Men for the year 2014-15: V.Udaya Kumar, 4/4 MME
- Men individual championship is secured by K. Lakshmisai Deep, 1/4 Computer Science and Engineering with 18 points
- Women individual Championship is shared by K. Kavya of 1/4 MME & Meenakshi Verma with 10 points
- Team Championship for Men is secured by Civil Engineerig branch with 58 points
- Team Championship for Women is secured by P.G. team with 46 points

Extramural Competitions:

Sith Manas Ranjan Memorial Basket Ball Tournament:
The department has conducted the Sith Manas Ranjan Memorial Basket Ball tournament (Inter Engineering collegiate) from7.11.14 to 9.11.14.
Winners: Mahabubabad Team
Runners Up: NIT Warangal

Games and Sports organised by other Agencies:
Our Institute teams participated in various games organised by other agencies and brought laurels to the institute by winning the tournaments.

- Basket Ball Warangal City League (19.10.14) our institute team secured Winners position.
- Akarapu Sharat Chandrika Memorial Table Tennis Tournament (11.1.15) our institute team secured Winners position in Men Singles and Doubles.
- Eenadu Cricket Tournament (8.1.15 to 25.1.15) our institute team secured Runners Up position.
- KITS Foot ball Trophy (28.2.15 to 1.3.15) our institute team secured Winners position.

Other Important events:

This year all through the department has organised several events in the campus

- Yoga classes were conducted for DASA students for two weeks (4.8.14 to 14.8.14)
- Mass Run, Football friendly matches and Yoga demonstration by the DASA students were organised on the eve of Independence Day celebrations in the Institution.
- Games and Sports were organised for the first year students in connection with talent hunt during 20.9.14 to 23.9.14.
- Fresher's Day celebrations held during 14.10.14 and distributed the prizes.
- Yoga classes were conducted for Staff of the institution for three weeks (3.11.2014 to 23.11.14)
- Swatch Bharat Mass Run being organised on the eve of Gandhi Jayanthi (2.10.14)
- Run for Unity being organised on the eve of Sardhar Vallabhai Patel's Birth Anniversary (31.10.14)

- Mass Run being organised on the eve of Moulana Abul Kalam Azad Birth Anniversary (11.11.14)
- On the eve of Republic Day celebrations (22.1.15 to 24.1.15) Volley Ball and Kabaddi matches were conducted between Hostel employees.
- On the eve of Republic Day celebrations (26.1.15) Mass Run, May pole demonstration been conducted.
- Annual Sports Day Celebrations being organised on 8.4.15 and prizes and certificates being distributed to the prize winners.
- Yoga classes were conducted for NCC Cadets from 1.4.15 to 15.4.15.

New Infra Structural Facilities:

For the mass participation by the staff and student community in the campus, It is our privilege that with the constant support, encouragement and generous funding by our beloved Director, Prof.T.Srinivasa Rao the department was able to add new infrastructural facilities of national standard.

- Snap Sports inter locking modular surface (USA) and two Badminton courts were inaugurated on 9.9.2014 and 22.12.2014 respectively by our beloved Director, Prof.T.Srinivasa Rao.
- Modern Gym facilities at DASA Hostel, 1.8 K, 1K Hostels and in the indoor games complex were inaugurated on 2.10.2014 and 30.4.2015 respectively by our beloved Director, Prof.T.Srinivasa Rao.
- Flood Lights at NITW Stadium was inaugurated on 25.1.2015 by our beloved Director, Prof.T.Srinivasa Rao.
- Two Artificial Turf Cricket Pitches along with practice nets were inaugurated on 27.3.2015 by our beloved Director, Prof.T.Srinivasa Rao.
- Modern Gym, Table Tennis Hall, Carroms and Chess Hall at Teachers Staff Club were inaugurated on 30.4.2015 by our beloved Director, Prof.T.Srinivasa Rao.

New Infra Structural Facilities (In progress):

- Two Flood lit Basket Ball Courts with Fibre Boards and Deco Turf surfaces
- Yoga Hall
- Meditation Hall

9.4 The Hostels, Messes & Staff Quarters

The Hostels

A. Residential Infrastructure

Sl.No	Name of the Block	Rooms	Occupancy	Name of the Warden
1.	1.8 K Hall (A Block GF-3 Floors) 1.8 K Hall (A Block 4-7 Floors) 1.8 K Hall (A Block 8 & 9 Floors) 1.8 K Hall (B Block GF-3 Floors) 1.8 K Hall (B Block 4-7 Floors) 1.8 K Hall (B Block 8 & 9 Floors)	1194	Single/Double	Dr.B.Srinivasa Rao Dr.M.N.V.Siva Kumar Dr.M.Shashi Dr.G.Nagasrinivasulu Dr.Ch.RamReddy Dr.Sourabh Roy
2.	1K-Hall Block-1 1K-Hall Block-2 1K-Hall Block-3	1050	Single	Dr.T.V.Appa Rao Dr.S.Shankar Dr.K.Srikanth
3.	ISH (DASA)	250	Single	Dr.T.Sunil Kumar
4.	1st Block (Azad Hall)	100	Single	Under Renovation
5.	2nd Block (Bose Hall)	100	Single	Under Renovation
6.	3rd Block (Ambedkar Hall)	48	Triple	Dr.U.S.N.Raju
7.	4th Block(Babha Hall)	48	Triple	Dr.K.Kiran Kumar
8.	5th Block (Gandhi Hall)	48	Triple	Under Renovation
9.	6th Block (Gokhale Hall)	48	Triple	Dr.T.Kurmayya
10.	7th Block (Radhakrishnan Hall	48	Triple	Dr.T.Kurmayya
11.	8th Block (Raman Hall)	48	Triple	Dr.T.Kurmayya
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.U.S.N.Raju
15.	12th Block(Visweswaraiah Hall)	48	Double	Faculty Rooms
16.	13th Block (Rajendra Prasad Hall)	202	Single	Dr.K.Kiran Kumar
17.	14th Block (Vikram Sarabhai Hall)	200	Single	Dr.K.Kiran Kumar

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.	3rd Block (Ambedkar Hall)	Yes	Yes	No	LAN
5.	4th Block(Babha Hall)	Yes	Yes	No	LAN
6.	6th Block (Gokhale Hall)	Yes	Yes	No	LAN
7.	7th Block (Radhakrishnan Hall	Yes	Yes	No	LAN
8.	8th Block (Raman Hall)	Yes	Yes	No	LAN
9.	11th Block (Tagore Hall)	Yes	Yes	No	LAN
10.	12th Block(Visweswaraiah Hall)	Yes	Yes	No	LAN
11.	13th Block (Rajendra Prasad Hall)	Yes	Yes	No	LAN
12.	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	Prof.Debashish Dutta
2	I-Mess (Ganga)	350 Members	Non- Veg	Dr.Ch.Sudhakar
3	II-Mess (Godavari)	395 Members	Non- Veg	Dr.D.Ravi Prasad
4	III-Mess (Cauveri)	395 Members	Veg	Prof. Debashish Dutta
5	V-Mess (Narmada)	320 Members	Veg	Dr.S.Srinath

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.K.Madhavi Reddy
2.	LH Block (SH)	48	Double/Triple/Four seater	Dr.Ms.J.Pranitha
3.	New Ladies Hostel	343	Single/Double	Dr.K.V.Kadambari

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)	1050	Veg &Non Veg	Dr.B.Lakshmi

E.Special measures for Women protection and Women Empowerment

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

3. INTERNATIONAL HOSTELS

Sl.No	Fraternal Country	Number of Residents	Level		Name of the Warden
			UG	PG/PhD	
1.	Ethiopia	31	2	29	Dr.T.Sunil 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. Enough play area with shuttle, Table Tennis, Basket Ball courts etc.

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

9.5 Hospital

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

9.6 Post Office, Shopping Centre

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.

9.7 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.

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

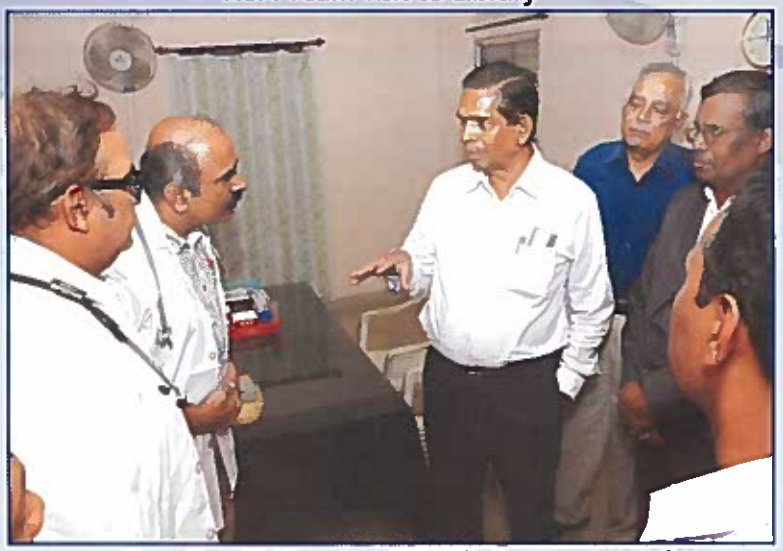
In the field of R&D and Consultancy it has been trendsetter for other technical institutes in the region.

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

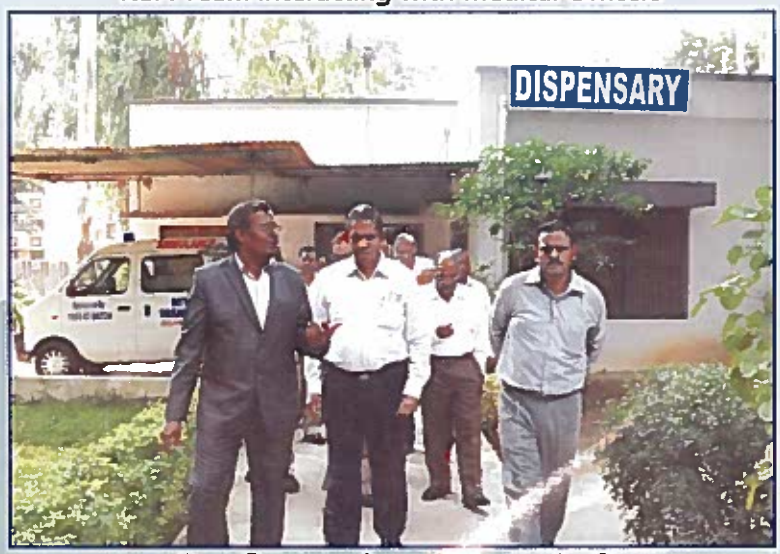
Milestones in the development of the Institute are given under section 2.1. (Historical Background)



एनबिए टीम का दौरा लाइब्रेरी के लिए
NBA Team visit to Library



एनबिए टीम चिकित्सा अधिकारी के साथ बातचीत
NBA Team interacting with Medical Officers



एनबिए टीम का दौरा [illegible]धालय के लिए
NBA Team vi[illegible]o Dispensary

10.2 ACHIEVEMENTS 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	Nominated by the Government of India as a **member of Indian Delegation** to attend a bilateral workshop on Resilient Structures at **New Zealand during 1-5th December 2014** for working on **Joint Collaboration projects** between India and New Zealand, supported by New Zealand Ministry of Business, Innovation and Employment (**MBIE**) and Department of Science and Technology (**DST**).
2	P.Rathish Kumar	**Best Engineering Researcher Award for the year 2014**, presented jointly by NIT Warangal and NITW Alumni Association in recognition of the outstanding research contribution in the field of Civil Engineering.

2. EXTENTION / EXPERT / INVITED LECTURES DELIVERED ELSEWHERE

Sl. No.	Name of the Faculty	Lecture Title	Place	Dates
1	Rama Seshu. D	Civil Engineering Structures	Department of Civil Engg, GMRIT, Rajam,Vizianagaram(dt)	26.04.2014
2	Rama Seshu. D	Special Concretes	Engineers day function organized by Association of Consulting Civil Engineers (ACCI)-India, at Karimnagar	15.09.2014
3	N V Umamahesh	Hydrological Impacts of Climate Change	College of Engineering, Osmania University, Hyderabad	7.10.2014
4	K V Jayakumar	Groundwater Modeling	Regional Workshop on Groundwater Develop- ment for Sustainable Development, organised by Central Groundwater Board, Warangal	17.10.2014
5	Ravi Shankar KVR	Open source Transportation software-SUMO	NIT Warangal	17-19 Oct., 2014
6	Arpan Mehar	Open source Transportation software-R Programming	NIT Warangal	17-19 Oct., 2014
7	E.Venkata Rathnam	Hydrologic Parameter Estimation and Modelling	International Conference on Hydrology and Watershed Management (ICHAWM-2014), JNTU Hyderabad,	29.10.2014 to 01.11.2014
8	K V Jayakumar	Plenary talk on "Environmental Flow - Some thoughts"-	IV International Conference on Hydrology and Watershed Management JNTU Hyderabad	31.10.2014
9	P. Rathish Kumar	Resilient materials for construction	University of Christchurch, New Zealand	2.12.2014
10	P. Rathish Kumar	Sustainable materials in concrete	University of Auckland, New Zealand	3.12. 2014
11	K V Jayakumar	Mathematical Modelling in Engineering – An Overview	NIT, Warangal	2014
12	K V Jayakumar	Systems Approach - Some thoughts,	National workshop on 'Recent Trends in Systems Applications as applied to Civil Engineering" NIT Surathkal	9.01.2015
13	K V Jayakumar	Low Impact Development - Urban Water Management	International Civil Engineering Symposium sponsored by the American Society of Civil Engineers VIT, Vellore	13.03.2015
14	Rama Seshu. D	Non Destructive Testing	APGENCO-Training Institute, Dr.NTTPS, Ibrahimpatnam, Vijayawada	13.03.2015

15	Rama Seshu. D	Restoration of Structures	APGENCO-Training Institute, Dr.NTTPS, Ibrahimpatnam, Vijayawada	13.03.2015
16	N V Umamahesh	Irrigation Management under Changing Climate	VNR Vignana Jyothi College of Engg. Hyderabad	18.03.2015
17	Rama Seshu. D	Civil Engineering-Perspective	Aurora's Research and Technological Institute (ARTI), Warangal	24.03.2015

3. CONFERENCES / SYMPOSIA SESSIONS CHAIRED

S. No.	Name of the Faculty	Event Title	Place	Dates
1.	K V Jayakumar	IV International Conference on Hydrology and Watershed Management	JNTU Hyderabad	30.10.2014
2.	Dr. K V Jayakumar	ASCE –International Civil Engineering Symposium	VIT, Vellore	13-14 March 2015
3.	Dr. M Chandra Sekhar	Efficient Use of Available Water Resources for More Crop per Drop	VNR Vignana Jyothi Institute of Engineering & Technology Bachupally, Nizampet (SO) Hyderabad.	18-20 March 2015

4. INTERNATIONAL VISITS

S. No.	Name of the Faculty	Countries Visited	Organizations Visited	Dates
1	M. Chandra Sekhar	Poland	Warsaw University of Technology, Poland	5.5.2014 to 6.6.2014
2	P. Hari Krishna	USA	University of Texas, Arlington	16.06.14 – 15.07.14
3	M. Heeralal	USA	University of Tennessee, Chattanooga	15.09.14 – 14.10.14
4	V. Ramana Murty	UK	International Academy of Sciences	26.09.14 – 27.09.14
5	P. Hari Krishna	UK	International Academy of Sciences	26.09.14 – 27.09.14
6	D. Ravi Prasad	Thailand	Conference in Phuket, Thailad	July 11-13, 2014
7	P. Rathish Kumar	New Zealand	University of Christchurch, University of Auckland	Dec 2, 2014 Dec 3, 2014
8	M. Chandra Sekhar	Dubai (UAE)	International Conference on Chemical, Environmental and Biological Sciences (CEBS-2015)	March 18-19, 2015

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

Sl. No.	External Organization	MoU Signed on	Remarks
1.	Greater Hyderabad Municipal Corporation, Hyderabad	26.09.2014	For long term association in the fields of urban flood modelling, forecasting and management for Hyderabad and its environ

6. RESEARCH AND CONSULTANCY EXPERTISE

A. Research Areas Active in

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 Behavioral Analysis, Transport Corridor Management, Road Safety, Urban Transportation Planning

Structural Engineering – New Concrete making materials, Structural dynamics, nonlinear finite element analysis, composite materials, high strain rate SHPB testing, Multi-scale modeling of concrete, Disaster mitigation, Sustainable materials and technologies, alternate/new construction materials, Urban Water Management, Irrigation Management, Waste management, Computational Fluid Dynamics

B. Consultancy Capabilities in

Pavement Evaluation and Design, Pavement Material Testing, Traffic Signage and Marking Strategies, Traffic flow analysis, Traffic signal design, Traffic impact analysis, Structural Engineering – Health Monitoring of Structures, Blast resistant design, high strain rate SHPB testing, Multi-hazard (Blast, seismic, wind) Vulnerability assessment, materials testing, Urban Stormwater Management

7. MEMBERSHIP in PROFESSIONAL and S&T BODIES

Andhra Pradesh State Technical Agency, Pradhan Mantri Gram Sadak Yojana (PMGSY), Ministry of Rural Development, Government of India.
Association of Asphalt Paving Technologists, USA

Indian Geotechnical Society (Chennai Chapter), India.

Indian Society for Technical Education

Indian Roads Congress

Institution of Engineers, India

Institute of Urban Transport

International Society for Asphalt Pavements, USA.
ASCE, ASME, ASC
Indian association for Computational Mechanics (IndCM)
Indian association for Structural Engineering (IASE)
Indian Concrete Institute (ICI) No: 7985
Indian Society for Rock Mechanics and Tunnelling Technology(ISRMTT)
Japan Society of Civil Engineers (JSCE)
Architectural Institute of Japan (AIJ)
Indian Association of Hydrologists
Member of Indian Water Resources Society

8. MEMBERSHIP in EDITORIAL BOARDS of RESEARCH JOURNALS

- Serving on Editorial Board of
- Journal of Facta Universtatis
- Journal of Cement Wapno Beton,
- Open Journal of Civil Engineering,
- Journal of Industrial Engineering Research,
- INSInet,
- Journal of Civil Engineering and Construction Technology
- 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	Dean, International Relations and Alumni Affairs	05.09 2014 onwards	-
2	M. Chandra Sekhar	Professor	Registrar I/C	30/3/15	
3	E. Venkata Rathnam	Associate Professor	Associate Dean (FW)	October 2014	Till date
4	P. Hari Prasad Reddy	Assistant Professor	Treasurer NIT staff club	March 2013	Till date
5	Ajey Kumar Patel	Assistant Professor	Faculty-in-charge Quiz Club	July, 2014	date
6	S Venkateswara Rao	Assistant Professor	Hostel Warden	July,2012	August, 2014
7	S. Shankar	Assistant Professor	Warden	July 2014	-
8	P.Venkateswara Rao	Assistant Professor	NSS Coordinator	30.10.2014	Till date

10. ADMINISTRATIVE ROLES

A. DEPARTMENTAL

Sl. No.	Faculty	Role	In-charge	Term
1	K V Jayakumar	Coordinator	M. Tech. (WRE) programme	30/3/15 onwards
2	M Chandra Sekhar	Head	Water & Environment Division	
3	CSRK Prasad	Head	Transportation Division	2006 to till date
4	Venkaiah Chowdary	Faculty In-Charge	Transportation Engineering Lab	July 2012 onwards
5	Venkaiah Chowdary	Coordinator of Consultancy Works	Transportation Division	August 2013 onwards
6	KVR Ravi Shankar	Faculty In-Charge	Computer laboratory of Transportation Division	2013 onwards
7	KVR Ravi Shankar	Department Committee member	NBA Visit	2014 onwards
8	KVR Ravi Shankar	Faculty I/c Library Committee	Member for B.Tech. (Civil Engg.) program	2013 onwards
9	P. Hari Krishna	Faculty In-Charge	Civil Engineering Association (CEA)	June 2013 onwards
10	V. Ramana Murty	Faculty In-Charge	Final Year Projects	
11	M. Heeralal	Head	GTE Division	
12	Rakesh J. Pillai	Treasurer	Civil Engineering Association (CEA)	
13	G. Kalyan Kumar	Faculty In-Charge	Soil Mechanics Laboratory	
14	D. Ravi Prasad	Department Committee Member	NBA activities	
15	D. Ravi Prasad	Faculty In-Charge	Preparation of annual report of Departmental activities	
16	K. Gopi Krishna	Faculty In-Charge, Research Laboratory (TEQIP-II)	Development of Civil Engineering Software laboratory which caters to the Academic and Research needs	From 2013 onwards.
17	P. Rathish Kumar	Head	Structures Division	Nov 2013-Till date
18	E. Venkata Rathnam	Faculty In-Charge	Fluid Mechanics and Water Resources Laboratory	2001 onwards
19	Ajey Kumar Patel	Faculty In-Charge	Environmental Engineering Laboratory	November ,2013 onwards

B. INSTITUTIONAL

Sl. No.	Role	Faculty-in-charge	Term
1	In-charge Project Engineer	Dr. M. Heera Lal	
2	Block Warden, 1.8K Hostel	Dr. MVN Siva Kumar	2 years
3	Warden for Mess-2	Dr. S. Venkateswara Rao	2 years
4	Institute Fire Fighting System Management and Annual Maintenance	Dr. T.P. Tezeswi	July 30,2014 onwards
5	Associate Dean (Admissions)	Dr. P. Rathish Kumar	Apr 2013-Nov 2014
6	Associate Dean (P&D)	Dr. P. Rathish Kumar	Nov 2014-Till date

C. DEPUTATIONAL / MINISTERIAL

Sl. No.	Role	Faculty-in-charge	Term

11. ANY OTHER SIGNIFICANT INFORMATION

1. Dr. M.V.N. Siva Kumar, Assistant Professor, served as a Mentor Coordinator for Civil Engineering Department from Nov 2014.
2. Dr. M.V.N. Siva Kumar, Assistant Professor, served as a reviewer for the book titled "Analysis of Engineering Structures and Material Behavior" by (Josip Brnic, University of Tijeka, Croatia), John Wiley & Sons publications.
3. Dr. T.P. Tezeswi, Assistant Professor, submitted DRDO-AR&DB proposal for 91 Lakhs (Feb 19,2015)
4. Dr. T.P. Tezeswi, Assistant Professor, initiated establishment of Split Hopkinon Pressure Bar System facility (40 Lakhs) at NITW through CAI.

Prof K V Jayakumar is a member of many national level scientific and academic bodies.

1. Expert Member, Indian National Committee on Groundwater
2. Honorary Invited Member, Wetlands International South Asia
3. Consultative Committee Member of Kerala State Pollution Control Board
4. Expert Member to study the groundwater pollution impacts of ISRO Ammonium Percholorate Experimental Plot
5. Chairman of one of the Clusters of Engineering Colleges under Kerala Technological University
6. Member of Board of Studies of JNTU Kakinada and Osmania University
7. Member of the Expert Committee – Telangana Drinking Water Supply Project, Government of Telangana
8. Reviewer of Journals for National Academy of Sciences, India.

Prof M Chandra Sekhar is a member of many national level scientific and academic bodies

1. Expert Committee Member - Telangana Drinking Water Supply Project, Govt. of Telangana
2. Coordinator, State Technical Agency, GOVERNMENT OF TELANGANA RURAL WATER SUPPLY AND SANITATION DEPARTMENT, Hyderabad
3. Paper Reviewer -
    a. International Water Association Journal
    b. Institution of Engineers India Journal
    c. Journal of Water Science and Technology
4. Appointed as One Man Committee member by National Green Tribunal, Chennai - Environmental Impacts of Madharam Mines Ltd, Khammam.

ELECTRICAL ENGINEERING DEPARTMENT:

1. ACHIEVEMENTS / AWARDS / INNOVATIONS

S. No.	Name of the Faculty	Nature of the Achievement/ Award / Innovation
1	Prof. Maheswarapu Sydulu	POSOCO Power System Award (PPSA)-2015 (For M.Tech Thesis titled "Effective Optimal Placement of PMUs for Power System Observability Using Novel Algorithms" - -K Satish Kumar R.NO 122613)
2	D.V.S.S. Siva Sarma, Professor i/c EPICS	Associated with introducing EPICS into the B.Tech curriculum under the mentorship of Purdue University. As part of the initiative, NIT Warangal has been recognized as Member of EPICS University Consortium of Purdue University
3	D.V.S.S. Siva Sarma	Chairman of Indian EMTP/ATP User Group
4	D.V.S.S. Siva Sarma	Senior Member of IEEE

2. EXTENTION / EXPERT / INVITED LECTURES DELIVERED ELSEWHERE

Sl. No.	Name of the Faculty	Lecture Title	Place	Dates
1	Prof. Maheswarapu Sydulu	Recent Advances in Modern Power Systems- Challenges (National Level symposium –"Engima-2015- Technical and cultural fest)	KITS-Huzurabad	3-3-2015
2	Prof. Maheswarapu Sydulu	Key note address at Bomma Premier league Technical and cultural festival - 2015, On Role of youth in building up technical and cultural values	Bomma Institute of Technology & science-Khammam	26-02-2015
3	Prof. Maheswarapu Sydulu	Chief guest on Republic day -talk on importance of the Republic day and role of citizens in building up disciplined Nation.	St. Gabriel's High School. Kazipet	26-01-2015
4	Prof. Maheswarapu Sydulu	Chief guest at Two day workshop on Indian Power sector scenario (IPSS-2014) Talk on 'Growth of power sector in India'	KITS-Warangal	08-11-2014 to 09-11-2014

5	Prof. Maheswarapu Sydulu	Guest lecture at One day National Seminar on 'State estimation and security analysis'	EEED, Sree Vidhya Nikethan, Rangampet, Tirupati.	31-10-2014
6	Prof. Maheswarapu Sydulu	Key note address at One day National Conference on 'Electrical Science'. Talk on Role of Electricity in modern Society.	EEED, Annamayya Institute of Technology & Sciences, Rajampet, Kudapa.	26-07-2014
7	Dr. D.V.S.S. Siva Sarma	Workshop on "EPICS in IEEE" EPICS@NITW	KCT, Coimbatore	20-21st April 2015
8	Prof. N. Subrahmanyam	Planning, Operation and analysis of Electrical Distribution Systems	Acharya Nagarjuna University, Guntur	13th -14th December, 2014
9	Dr. N.Vishwanathan	Resonant Converters, Induction Heating	JNTU Kakinada	13-14th March, 2015
10	Dr. V.T. Somasekhar	Suppression of Zero-sequence current in an Open-end winding Induction Motor Drive	Georgia Tech University, USA	4th November 2014
11	Dr. V.T. Somasekhar	Emerging Back-end Technologies for Micro-Grids	NIT Tiruchirapalli	8th February 2015
12	Dr. N. V. Srikanth	Fuzzy Logic and ANN Techniques applications to Power Systems.	Ballari College of Engg. Ballari, Karnataka During February 2014.	12-13 Feb 2014
13	Dr. N. V. Srikanth	HVDC & FACTS	Aditya Institute of Technology, Tekkali, Srikakulam	8-9 March 2015
14	Dr. Ch Venkaiah	Business Opportunity Identification	KITS, Warangal	February 27, 2015
15	Dr. P. Suresh Babu	Artificial Intelligence Applications to Digital Protection	SwarnaBharathi Institute of Technology, Khammam	09.02.2015
16	Dr. P. Suresh Babu	Power Systems Protection Issues and Latest Trends	Department of EEE, Anna University study center Coimbatore	05.02.2015
17	Dr. Narasimharaju B L	Switched Reluctance Machine And its Applications	University college of Engineering JNTU Kakinada Two Day National Workshop on "Recent Advances in Power Electronics & Industrial Drives" (RAPID2015)	13th March 2015
18	Dr. G Siva Kumar	Power Electronics Applications to Power Quality	Osmania University, Hyderabad	15th May 2014
19	Dr. P. Chandrasekhar	Role of Power Electronics in Smart Microgrid	Rajiv Gandhi Institute of Technology, Government Engineering College, Kottayam, Kerala	8th July to 12th July, 2014

3. CONFERENCES / SYMPOSIA SESSIONS CHAIRED

S. No.	Name of the Faculty	Event Title	Place	Dates
1	Dr. Udaya Bhasker M	NI Technical Symposium	Hyderabad	September 26, 2014
2	Dr. Narasimharaju B L	7th National Conference on **Advances in Energy Conversion Technologies (AECT- 2015)** during January 23 – 24, **2015.**	MIT Manipal INDIA	January 23 – 24, **2015**

4. INTERNATIONAL VISITS

S. No.	Name of the Faculty	Countries Visited	Organisations Visited	Dates
1	Dr. D.V.S.S. Siva Sarma	Romania	University POLITEHNICA of Bucharest	25-05-2014 to 28-05-2014
2	Dr. V.T. Somasekhar	U.S.A.	Georgia Tech University	4th November 2014
3	Dr. N.V. Srikanth	Kula Lumpur, Malasia	IEEE Innovative Smart Grid Technologies ASIA-2014	20-23 May 2014
4	Dr. Matam Sailaja Kumari	USA	University of Tennessee, Knoxville	1 sep 2014 to 30 sep 2014
5	Nagu Bhookya	Swinburne University Melbourne, Australia	ICMIC 2014 Organizing Committee	December: 03-05-2014
6	Chandrasekhar Yammani	ILLINOIS, CHICAGO, USA.	University of Illinois at Urbana–Champaign	20th to 21st February 2015
7	Dr. Sachin Jain	USA	Virginia Polytechnic Institute and State University,Department of Electrical and Computer Engineering	06-10-2014 to 24-03-2015

5. RESEARCH AND CONSULTANCY EXPERTISE

A. Research Areas Active in

S. No.	Name of the Faculty	Research Expertise
1	**Prof. Maheswarapu Sydulu**	Real Time power System studies, Distribution system studies, Artificial and Meta-heuristic techniques application in Power Systems, Smart Grid, Renewable Energy Resources
2	**Prof. D.V.S.S. Siva Sarma**	Power System Protection Power Quality Condition Monitoring of Power Equipment
3	**Prof. Bhagwan Krishna Murthy**	Doubly fed induction generator for wind energy.applications
4	**Prof. N. Vishwanathan**	Resonant Converters, Induction Heating Applications, LED Power Drivers.
5	**Prof. V.T. Somasekhar**	Multilevel Inverters, AC Drives
6	**Dr. S. Srinivasa Rao**	Renewable Energy Systems, DSP Controlled Drives
7	**Dr. Ch Venkaiah**	Application of Optimization Techniques in Power Systems Technology based Entrepreneurship Development among Engineering students Economics and Financing Renewable Energy Technologies Power Procurement Strategy and Power Exchanges
8	**Dr. Matam Sailaja Kumari**	Power system restructuring
9	**Nagu Bhookya**	Power System stability HVDC controls and AI Techniques
10	**Chandrasekhar Yammani**	Distribution system planning, Distribution generation and Optimization techniques in power systems. Multi Objective optimization

11	**CH. RAMULU**	Multi-Level Inverter Fed Open End Winding 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 : Digital filtering algorithms Digital multifunction relays Adaptive protection schemes for smart grid Wide area protection with Synchrophasor and PMU AI based Fault locating techniques
13	**Dr. Narasimharaju B L**	Renewable Energy integrated Micro/mini Grid Systems Power Electronics Converters, PWM Control techniques and Applications
14	**Dr. A. Kirubakaran**	Renewable Energy Sources and Grid Integration
15	**Dr. P. Chandrasekhar**	Renewable Energy Systems, Smart Controllers for Microgrid/Smart Grid Systems, Energy Management in Hybrid AC Microgrid Systems, Soft Computing Applications to Power Quality Problems

B. Consultancy Capabilities in

S. No.	Name of the Faculty	Consultancy Capabilities
1	**Prof. Maheswarapu Sydulu**	• Software development in Power System studies • Vetting of design drawings of Major Lift Irrigation Projects
2	**Prof. D.V.S.S. Siva Sarma**	• 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
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. Bhagwan Krishna Murthy**	• Power electronics and dsp application to electrical drives and renewable energy sources.
5	**Prof. V.T. Somasekhar**	• Multilevel Inverters • AC Drives
6	**Dr. S. Srinivasa Rao**	• Testing of Electrical Equipment
7	**Dr. Ch Venkaiah**	• Technology based Entrepreneurship Development among Engineering Students • Economics and Financing Renewable Energy Technologies • Power Procurement Strategy and Power Exchanges
8	**Dr. Matam Sailaja Kumari**	• Power systems
9	**Dr. P. Suresh Babu**	• Relay testing methods • Filtering algorithms development
10	**Dr. P. Chandrasekhar**	• Energy Audit, • Solar Photovoltaic Conversion systems, • Renewable Energy Systems, • Smart Controllers for Microgrid/Smart Grid Systems, • Energy Management in Hybrid AC Microgrid Systems

6 MEMBERSHIP in PROFESSIONAL and S&T BODIES

S. No.	Name of the Faculty	Membership
1	Prof.M.sydulu	• IEEE- Number :90328874 • ISTE- Number: LM15532
2	Prof. D V S S Siva Sarma	• Senior Member IEEE • Member ISTE • Fellow-IE(I)
3	Prof. N. Subrahmanyam	• Senior Member IEEE • Member ISTE • Fellow-IE(I)
4	Prof. Bhagwan Krishna Murthy	• IEEE member
5	Prof. N. Vishwanathan	• Life Member in ISTE
6	Prof. V.T. Somasekhar	• Life Member ISTE • Member IEEE • Member IEEE Industrial Electronics Society • Member IEEE Education Society
7	Dr. N.V. Srikanth	• ISTE life member • Member in IEEE • Member in the Institution of Engineers India
8	Dr. S. Srinivasa Rao	• ISTE life member • SSI life member • Institution of Engineers (India) life member • Member in IEEE • Society of Power Engineers (India) Life Fellow • Instrument Society of India Life Member
9	Dr. Ch Venkaiah	• ISTE life member • SSI life member • Institution of Engineers (India) member • Member in IEEE • ISCA life member • Power and Energy Society of IEEE • Technology and Engineering Management Society of IEEE • Computational Intelligence Society of IEEE • Member in CIGRE • Member in ACDOS
10	Dr. Sailaja Kumari. M	• Life Member ISTE • Member in IEEE WIE • Member in IEEE PES
11	Dr. S. Porpandiselvi	• Member in IEEE Power Electronics Society
12	Chandrasekhar Yammani	• Member in IEEE
13	Dr. A.V.Giridhar	• Member in IEEE
14	CH. RAMULU	• Member in IEEE • Life Member ISTE
15	Dr. P Suresh Babu	• Member in IEEE • Member in ISTE • Member in IAENG • Member in IACSIT
16	Dr. Udaya Bhasker M	• Member in IEEE
17	Dr. Sachin Jain	• Member in IEEE
18	Dr. Narasimharaju B L	• Member in IEEE • Member in ISTE • SSI life member
19	Dr. A. Kirubakaran	• Member in IEEE • Member in ISTE • SSI life member
20	Dr. P. Chandrasekhar	• Member in IEEE

7. MEMBERSHIP in EDITORIAL BOARDS of RESEARCH JOURNALS

S. No.	Name of the Faculty	Name of Journal
1	Prof. V.T. Somasekhar	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, 2005.
3	Dr. P Suresh Babu	International Journal of Electronic Networks, Devices and Fields International Journal of Innovative Technology and Exploring Engineering(TM) International Journal of Recent Technology and Engineering(TM) World Academy of Science, Engineering and Technology

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

Sl. No.	Name	Designation	Additional Duty	Duration	
				From	To
1	Prof. Sydulu Maheswarapu	Professor	Dean Faculty Welfare	01-07-2014	Till date
2	Prof. N. Vishwanathan	Professor	Head of the Department	19.11.2014	Till Now
3	Dr. S. Srinivasa Rao	Associate Professor	Deputy Chief Warden for NIT Warangal Hostels.	06/1/2014	30/1/2015
4	Dr. S. Srinivasa Rao	Associate Professor	Working as Member in EUPHRATES (European Union for Promotion of Health through Research, Applied Technology, Education and Science in India)	Dec 2013	Till Date
5	Dr. S. Srinivasa Rao	Associate Professor	Working as a Secretary for setting up of 100 KWp Roof Top Captive Solar Power Plant at NITW.	Feb 2014	Till date
6	Dr. S. Srinivasa Rao	Associate Professor	Working as Warden for Institute Food Court (IFC), NITW	July 2012	January 2015
7	Dr. S. Srinivasa Rao	Associate Professor	Working as Secretary for the Central Counseling Board (CCB-2009) [AIEEE 2009 Admissions] Ministry of Human Resources Development, New Delhi since 25/01/2012.	25/1/2012	Till Date
8	Dr. Ch Venkaiah	Associate Professor	Faculty Advisor Innovation & Entrepreneurship Club	01.04.2014	31.03.2015 and continuing
9	Dr. Ch Venkaiah	Associate Professor	Faculty Advisor Electrical Engineering Association	17.04.2014	31.03.2015 and continuing
10	Dr. Ch Venkaiah	Associate Professor	Head of Power Systems Engineering (PSE) Section	18.08.2014	31.03.2015 and continuing
11	Dr. Ch Venkaiah	Associate Professor	Branch Counselor IEEE Student Branch NIT Warangal	05.03.2015	31.03.2015 and continuing
12	Dr. Sailaja Kumari. M	Associate Professor	Women Protection Cell, Chairperson	22.08.2014	Continuing
13	Nagu Bhookya	Asst. professor	Warden:1K-Hall NIT-Warangal	July:2012	January: 2015
14	Ch Ramulu	Member	DAC-UG, EED	June 2014	Till Date
15	Dr. Narasimharaju B L	Department Coordinator	Training & Placement	July 2014	Till date
16	Dr. Narasimharaju B L	Treasurer	Electrical Engineering Association	June 2012	June 2014
17	Dr. P. Chandrasekhar	Asst. Professor	Faculty Coordinator	July-2014	Dec-2014

9. ADMINISTRATIVE ROLES

A. DEPARTMENTAL

Sl. No.	Name of the Faculty	Role	Faculty-in-charge	Term
1	Prof. D V S S Siva Sarma	Chairman of Dissertation Evaluation Committee, M.Tech(PSE)		
2	Prof. N. Subrahmanyam	Head of the department	Dr. N. Subrahmanyam	5th Sept., 2011 to 18th Nov., 2015
3	Prof. N. Subrahmanyam	Member of Master Plan Committee	Dr. N. Subrahmanyam	February 2014 o till date
4	Prof. N. Subrahmanyam	Member of Space Reorganizing Committee	Dr. N. Subrahmanyam	July 2014 to till date
5	Prof. N. Subrahmanyam	Member of Solar Plant Committee	Dr. N. Subrahmanyam	January 2014 to till date
6	Prof. Bhagwan Krishna Murthy	Recommending books to the central library	Library	2 years
7	Dr. S. Srinivasa Rao	For M.Tech (PED) Students Arranging Comprehensive Viva-Voce, Maintaining Leave Record, Recommending Stipend every month, Arranging Summer Internship/Training	Section Head, Power Electronics & Drives Section	From July 2014 to till Date
8	Dr. A.V.Giridhar	Faculty-in-charge	Power Systems Lab	28/08/2014 onwards
9	Dr. P Suresh Babu	Lab incharge	Department Computer Lab	September 2013 to till date
10	Dr. Udaya Bhasker M	NBA team member, B.Tech & M.,Tech (PED)	Udaya Bhasker M	2014-15
11	Dr. Sachin Jain	PED Lab-Incharge	Dr. Sachin Jain	3 Yrs
12	Dr. Sachin Jain	EEA Association	Dr. Sachin Jain	2Yrs
13	Dr. Narasimharaju B L	Lab Development & Maintenance	Control System Laboratory & Circuits Laboratory, EED	Dec 2012 to till date
14	Dr. Narasimharaju B L	Faculty Advisor	Registrations, IV B.Tech (EEE)	July 2014 to Till date
15	Dr. Narasimharaju B L	Member	Project Work Evaluations, IV B.Tech (EEE)	AY:2013-14, AY: 2014-15
16	Dr. Narasimharaju B L	Lab Development & Maintenance	Power Electronics Laboratory, EED	September 2014 to March 2015
17	Dr. Narasimharaju B L	Member,	DAC-UG, EED	June 2012 to June 2014
18	Dr. Narasimharaju B L	Faculty Advisor	Registrations, II BTech (EEE)	June 2012 to June 2014 April 2014 to June 2014
19	Dr. A. Kirubakaran	Electrical Machines Lab	Dr. A. Kirubakaran	Oct' 2013 to till date
20	Dr. G Siva Kumar	Registration Process	Course-Coordinator for III B.Tech	2014-2015
21	Dr. D Sreenivasa rao	Faculty-in-charge of registration for 2nd B.Tech		Dec 2013to till date

B. INSTITUTIONAL

Sl. No.	Name of the Faculty	Role	Faculty-in-charge	Term
1	Prof. Sydulu Maheswarapu	Dean Faculty Welfare	Dean(FW)	Two years(from 1-7-14)
2	Prof. D V S S Siva Sarma	Prof. i/c , Engineering Projects in Community Service (EPICS)	Dr. D V S S Siva Sarma	2014 Onwards
3	Prof. D V S S Siva Sarma	Prof. i/c Industry Institute Interaction Cell (IIIC)	Dr. D V S S Siva Sarma	2014 Onwards

4	Dr. A.V.Giridhar	Faculty Coordinator	T & P Section	17/12/2012 onwards
5	Dr. P Suresh Babu	Faculty Adviser, Project Engineering Unit , NIT Warangal	Electrical Section	Dec 2013 to till date
6	Dr. Udaya Bhasker M	Instructor for GATE classes (Signals & Systems)	Dr. K Anand Kishore	Nov,14-Feb,15
7	Dr. Narasimharaju B L	Member	TEQIP- Center of Excellence in "Sustainable Energy Studies"	November 2014 to Till date

10. ANY OTHER SIGNIFICANT INFORMATION

S. No.	Name of the Faculty	Other information
1	**Prof. Sydulu Maheswarapu**	Member of BOG of Sumathi Reddy Institute of Technology for Women, Annasagar, Hasanparthi(M), Warangal. Dated: 27-09-2014.
2	**Prof. V.T. Somasekhar**	Reviewer of IEEE Transactions on Industrial Electronics, Reviewer of IEEE Transactions on Power Electronics, IET Proceedings on Power Electronics
3	**Dr. Ch Venkaiah**	Attended one day Review Workshop for NBA Activities on May 07, 2014
4	**Dr. Udaya Bhasker M**	Submitted a project proposal to DRDO on "energy harvesting by using piezo materials with help of supercapacitors and digital control techniques".
5	**Dr. Narasimharaju B L**	Member, Special Expert Committee meeting held on 08th January 2015 in connection with e-learning solutions project at SBTET, AP, Hyderabad
6	**Dr. P. Chandrasekhar**	Acted as External Examiner to evaluate M.E. /M.Tech Dissertations at the Dept. of Electrical Engg, Osmaina University, Hyderabad, 28-08-2014 Doctoral Committee Member to evaluate progress of Ph.D at VIT, Vellore, Tamilnadu Doctoral Committee Member to evaluate progress of Ph.D in the Chemical Enginnering Dept. at NIT Warangal

MECHANICAL ENGINEERING DEPARTMENT:

1. ACHIEVEMENTS / AWARDS / INNOVATIONS

S. No.	Name of the Faculty	Nature of the Achievement/ Award / Innovation
1	Dr. Chandramohan V.P.	'ScienceDirect TOP 25 Hottest Articles' award for IJTS, Elsevier manuscript, 2014.

2. EXTENTION / EXPERT / INVITED LECTURES DELIVERED ELSEWHERE

S. No.	Name of the Faculty	Lecture Title	Place	Dates
1	Dr. Chandramohan V.P.	Finite Element Methods for Thermal Engineering	NICHE, Kanyakumari Dist, Tamilnadu.	28th Aug, 2014
2	Dr. Chandramohan V.P.	Convective drying of moist object in National workshop on (ASES-2014)	Dept. of Mech. Engg., NIT Warangal, Telangana.	1 - 2nd Nov, 2014
3	Dr.A.Kumar	Mathematical modeling of Friction Stir Welding process and Defect Analysis	Guru Nanak Institute Of Technology, Hyderbad	12-09-2014
4	Dr.A.Kumar	Design of Experiments & modelling of welding process using FEM	Jyamukhi Institute of Technology, Warangal	16-12-2014

5	Dr.A.Kumar	Fabrication of composite materials and characterization	SreeVidyanikathen Engineering College, Tirupati	06.11.2014
6	Dr. D. Jaya Krishna	Solar Hydrogen Production	National Workshop on Advances in Sustainable Energy Studies (ASES-2014): NIT Waranagal	1st - 2nd November, 2014
7	Dr. KanmaniSubbu	Palm Top Electric Discharge Micromachining	IIT Kanpur	Workshop on micro and nano fabrication sponsored by AIICT held between Mar. 16 – Mar. 20, 2015
8	Dr.V. Vasu	Nanomaterials for Mechanical Engg	QIT Ongole	11 Oct 2014
9	Dr. V. Vasu	Nanotechnology: A brief Introduction	PVP Siddhartha Engg College, Vijayawada	14 Nov 2014
10	G.Amba Prasad Rao	BOS Member	GMRIT,Rajam	Dec,20-21,2014
11	Prof. C. S. P. Rao	Advances in Manufacturing Technology and Mechatronic Systems	Department of Production Engineering, NIT Agartala	March (13-14), 2015
12	Prof. C. S. P. Rao	4th International Conference on Materials Processing and Characterization	Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad	15/03/2015
13	Prof. C. S. P. Rao	APOGEE 2015	Birla Institute of Technology and Science (BITS), Pilani	26 - 28th of March, 2015
14	Prof. C. S. P. Rao	Prepare to meet the challenges in Manufacturing with new paradigms "Modern Manufacturing"	Dept. of Production Engineering National Institute of Technology Tiruchirappalli	20-21 February, 2015
15	Prof. C. S. P. Rao	International Conference on Advancements in Polymeric Materials - *The APM series*	Central Institute of Plastics Engineering and Technology (CIPET) Guindy, Chennai	20 - 22 February, 2015
16	Prof. C. S. P. Rao	Leadership	Indian Institute of Management, Khozikode	7-12 February, 2015
17	Prof. C. S. P. Rao	Transformations in Aeronautical and Mechanical Engineering (ICTAME-2016)	Aeronautical Department, MLR institute of technology, Hyderabad	6th to 8th January 2016

3. CONFERENCES / SYMPOSIA SESSIONS CHAIRED

S. No.	Name of the Faculty	Event Title	Place	Dates
1	Dr. Kiran Kumar K	International Conference on Aeronautical and Mechanical Engineering	BANGKOK, THAILAND	DECEMBER, 18-19, 2014

4. INTERNATIONAL VISITS

S. No.	Name of the Faculty	Countries Visited	Organisations Visited	Dates
1	Dr. P. Subhash Chandra Bose	Thailand		21-24th Feb,2015
2	Dr. Kiran Kumar K	Thailand		DEC, 18-19, 2014

5. RESEARCH AND CONSULTANCY EXPERTISE

A. Research Areas Active in

- Advanced Machining Processes
- Heat and mass transfer
- Convective drying
- Conduction and convection heat transfer
- Vibration Control
- Finite Element Analysis
- Friction stir welding of Aluminum Alloys
- Electrical Discharge Machining
- Utilization of solar energy
- Latent heat storage materials
- Computational Fluid Dynamics
- Solid-Solid and Solid-Liquid PCMs for thermal management of electronic components
- Mechanical behavior and characterization of materials
- Structural Health Monitoring
- Piezoelectric energy harvesting
- Engineering Design, Analysis and Vibrations
- Product Design
- Structural Health Monitoring
- Composites
- Nanofluid based thermal systems
- Refrigeration & Air-Conditioning Systems
- Nanomaterials
- Machining of High temperature alloys
- optimization techniques
- CNC technologies
- Machining Processes
- Metal Matrix Composites
- Nanofluids in Machining
- Tribology
- Hydrodynamic lubrication in bearings
- Surface texturing
- Composite Materials with the addition of Nano particles
- Automotive Sustainable Design

B. Consultancy Capabilities in

- Solving practical problems
- Solar drying
- Freeze drying
- Vibration Control
- Finite Element Analysis
- Welding of similar and dissimilar materials
- EDM of different materials
- Design of solar thermal devices
- Computational Fluid Dynamics
- Heat transfer
- Latent heat storage materials
- Porous media
- Structural Dynamics, Damage identification
- Designing of A/C systems
- Machining
- Functionally graded materials
- Calibration of Metrology instruments
- Tribological related issues in industries

6. MEMBERSHIP in PROFESSIONAL and S&T BODIES

Dr. N Venkaiah	• Member of American Society of Mechanical Engineers (ASME) – 100182618 • Life Member of Indian Society for Technical Education (MISTE) – LM-81389 • Life Member of Institution of Engineers (MIE) – M-145127-2 • Senior member of Institution Research Engineers and Doctors-SNM1010002916
Dr. V P Chandra Mohan	• Life Member of Indian Society for Heat and mass transfer (ISHMT) – ISHMT No: 824 • Life Member of Indian Society for Technical Education (ISTE) – LM 87388 • The Institution of Engineers (India) – Member (No: M-1509165)
Prof. P Bangaru Babu	• Fellow Institution of Engineers • Socitey of Automotive Engineers • Condition monitoring society of India
Prof. K V Sai Srinadh	LM13398-ISTE
Sri. T Sadasiva Rao	Member of ISTE
Dr. B Satish Ben	Member of ISTE
Dr. V Suresh Babu	Life Member – ISTE, New Delhi
Dr. K Kiran Kumar	IEI membership
Dr. V Hari Kumar	IEI membership
Prof. N Selvaraj	Member of IE (INDIA), ISTE, ASCI and IAENG
Dr. V Vasu	• Institute of Engineers Life Member (M 1421861) • American Society of Mechanical Engineers ASME (100203958) • Indian society for Techanical Education Life member (LH 43012) • Indian society for Heat and Mass Transfer Life member (ISHMT 483) • BITS Pilani Alumnus Life member (L 8269)

7. MEMBERSHIP in EDITORIAL BOARDS of RESEARCH JOURNALS

Dr. V P Chandra Mohan	**Reviewer of Journals:** i) Heat and mass transfer, Publication: Springer, ISSN: 0947-7411, Germany ii) Heat Transfer Engineering, Publication: Taylor & Francis, Stillwater, USA iii) Journal of the Institution of engineers, Series C, Publication: Springer, India iv) Proceedings of the Institution of Mechanical Engineers, Part E - Journal of Process Mechanical Engineering, SAGE publications, New York **Editor of journals/magazines** i) International journal and magazine of Engineering, Technology, Management and Research – a product of Yuva Engineers, ISSN: 2348-4845. ii) IOSR – Journal of Mechanical and Civil Engineering (IOSR-JMCE), ISSN: 2278-1684.
Dr. D Jaya Krishna	Member – The Institution of Engineers (INDIA) (Membership No: M-1508886)
Dr. Raghavendra Gujjala	• Science Letters • American Journal of Mechanical Engineering
Dr. V Vasu	• Editorial Committee member for Journal of mechanical Engineering • International Journal Materials and Engineering
Dr. P Vamsi Krishna	• Editorial board member for International Journal of Engineering Practical Education (IJEPE). • Editorial board member for the American Journal of Mechanical Engineering (AJME). • Editorial board member for Nanoscience and Nanotechnology Research (NNR). • Editorial board member for American Journal of Nanomaterials (AJN). • Journal of Production Research and Management (JoPRM).

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

S. No.	Name	Designation	Additional Duty	Duration	
				From	To
1	P Bangaru Babu	Faculty Advisor	Meachanical Engineering Association	Acad. Year 2013-14	Acad. Year 2014-15
2	P Bangaru Babu	Faculty Advisor	Team BAHA SAE India All terrain Vehicle Competition	Acad. Year 2014-15	-
3	P Bangaru Babu	Faculty Advisor	Team Efficycle	Acad. Year 2014-15	-
4	D. Jaya Krishna	Assistant Professor	IV/IV B.Tech. (Mechanical Engineering) Faculty coordinator at NIT Warangal	June 2014	till date
5	D. Jaya Krishna	Assistant Professor	NIT Warangal : TEQIP CoE-Sustainable Energy Studies : member	November 2014	till date
6	D. Jaya Krishna	Assistant Professor	PhD admissions Mechanical Engg. Department scrutiny committee	July, 2014	July, 2015
7	D. Jaya Krishna	Assistant Professor	Assisted for NBA accreditation – B.Tech Mechanical Engineering Department, NIT Warangal	February, 2014	October, 2014
8	D. Jaya Krishna	Assistant Professor	Assisted for NBA accreditation – M.Tech Thermal Engineering Department, NIT Warangal to fill and upload eSAR document	March,2014	May, 2014
9	T.Sadasiva Rao	Asst. Professor	Incharge of workshop	27-12-2012	Till to date
10	Prof. S.Srinivasa Rao	Professor	Dean (Students Welfare)	01.07.2013	Till date
11	Kiran Kumar K	Asst. Prof.	Warden (4,13,14 Blocks)	July 2014	Till the date
12	Kiran Kumar K	Asst. Prof.	Anti-Raging Squad	August2014	Till the date
13	Dr V Vasu	Asst. professor	IEI institute Club Coordinator	April,2014	For 2 years
14	Dr. N Selvaraj	Professor	Associate Dean (Students welfare)	2013	2015

9. ADMINISTRATIVE ROLES

A. DEPARTMENTAL

S. No.	Role	Faculty-in charge	Term
1	Programme Coordinator for M. Tech (Additive Manufacturing)	Dr. N. Venkaiah	Faculty advisor-for 2 years
2	Laboratory in-charge for Additive Manufacturing Lab	Dr. N. Venkaiah	Faculty advisor-for 2 years
3	NBA/BTech – Coordinator for file No: 19, 21, 27	Dr. Chandramohan V.P.	2014-15
4	NBA/MTech – Thermal Coordinator for file No: 19, 21, 27	Dr. Chandramohan V.P.	2014-15
5	Refrigeration & Air Conditioning lab in-charge NITW	Dr. Chandramohan V.P.	From 24/10/2014 – to till date
6	M.Tech. (MSED) Coordibator	Dr.A.Kumar	June 2013 to till date
7	Lab-incharge of Thermal Engg. Lab	Dr.A.Veeresh Babu	2013-till date
8	Course Coordinator of M.Tech in Automobile Engg.	Dr.A.Veeresh Babu	2013-till date
9	Thermal Engineering Lab. Incharge	Dr.G.Naga Srinivasulu	July, 2012 to till date
10	Automobile Engg. Lab., Incharge	Dr.G.Naga Srinivasulu	July, 2012 to till date

11	Prof.K.V.SAI SRINADH	PROFESSOR	Faculty advisor-for 2 years
12	Prof.K.V.SAI SRINADH	PROFESSOR	INCHARGE FOR MCT LABS-Proposed to be established
13	Head, Thermal Engg. Section	Prof. S.Srinivasa Rao	From 01.07.2013 to till date
14	B.Tech II Year faculty Coordinator	Dr. KanmaniSubbu S.	From July 2014 onwards
15	Energy Systems Lab In-charge	Kiran Kumar K	
16	Dept Library I/C	M J Davidson	
17	Dr v vasu	Mechatronics Lab	12 April 2012 till to date
18	Dr v vasu	Research project departmental	12 April 2014 till to date
19	Course Coordinator for M. Tech (CIM)	Dr. P. Subhash Chandra Bose	2009 to Till date
20	Machine Tools and CNC LAB Incharge	Dr. P. Subhash Chandra Bose	from 2009 to till date
21	Coordinator for M.Tech Manufacturing Program	P. Vamsi Krishna	June 2014 to till date
22	Course Co-ordinator M. Tech (Machine Design)	Dr. V. Suresh Babu	July 2014 to till date
23	In-charge Department Time Table	Dr. V. Suresh Babu	March 2013 to till date
24	III/IV B.Tech. (Mechanical Engineering) Faculty coordinator at NIT Warangal	Dr. Syed Ismail	June 2014 to till date

B. INSTITUTIONAL

S. No.	Role	Faculty-in charge	Term
1	Member of Centre of Excellence (COE) in NITW from 17/10/2014	Prof. S. SreenivasaRao	2014 to 2016
2	Warden (DASA)	Dr.A.Kumar	July 2011 to Dec 2014
3	Procurement Coordinator-TEQIP-II/COE	Dr.G.Naga Srinivasulu	October, 2014 to till date
4	Hostel block Warden	Dr.G.Naga Srinivasulu	July, 2012 to till date
5	Warden (Block III, I K Hostel)	Srikanth Korla	01-01-2015-Till Date
6	Faculty I/C - Photography Club	M J Davidson	2 years
7	Hostel warden	Dr. P. Subhash Chandra Bose	from 2010 to 2012
8	Associate Dean (Transport and Security)	Sri I A K Reddy	2015-till date
9	Warden	Dr. V. Suresh Babu	July 2014 to till date
10	Room Allotment for UG & PG students and during institute programmes	Dr. V. Suresh Babu	July 2014 & July 2015

10. ANY OTHER SIGNIFICANT INFORMATION

Dr. Kanmani Subbu	1. Active Member in UG and PG NBA files Preparation 2. Faculty mentor for one Engineering Projects in Community Services (EPICS)Project 3. Faculty advisor for GO Kart NIT Warangal Team
Prof. K V Sai Srinadh	1. For the proposed Materials charachaterization labs space is the problem. It is essential for the present M.tech course on MSED. I have given the proposal to our HEAD as incharge for that labs. IT SHOULD BE TAKEN AS URGENT Matter TO provide required space at the earliest. 2. Initially the co-ordinator got it signed as co-investigator for the consultancy project. it was sanctioned. But he has not (principal investigator)involved me in the work. so,i prefer to withdraw. This is for your kind information. i do not want my name to be included for the name sake.
Prof. N Selvaraj	1. Fact Finding Committee member to self financing colleges affiliated to JNTU Hyderabad 5th, 6th, 20th Dec 2014. 2. EAMCET 2015, Enforcement officer, Karimnagar
Dr. V Vasu	1. For the proposed Materials charachaterization labs space is the problem. It is essential for the present M.tech course on MSED. I have given the proposal to our HEAD as incharge for that labs. IT SHOULD BE TAKEN AS URGENT Matter TO provide required space at the earliest. 2. Initially the co-ordinator got it signed as co-investigator for the consultancy project. it was sanctioned. But he has not (principal investigator)involved me in the work. so,i prefer to withdraw. This is for your kind information. i do not want my name to be included for the name sake.

ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT:

1. EXTENTION / EXPERT / INVITED LECTURES DELIVERED ELSEWHERE

S. No.	Name of the Faculty	Lecture Title	Place	Dates
1	Dr. T.Kishore Kumar	Signal Processing and its Application using MATLABS	Atmakur College of Engineering, Nellore	01/10/2014
2	Dr. T.Kishore Kumar	Wavelets and its Applications	JNTUH, Hyderabad	24/09/2014
3	Prof. NVSN.Sarma	EM theory and CEM Techniques& Pattern distortion Studies	Hyderabad	15/09/2014
4	Prof. NVSN.Sarma	Radar Technology and its applications to remote sensing	Tirupati	14/08/2014
5	Sri M.V.Raghunadh	-	RCI(MOD), Hyderabad	May 19-21,2014
6	Sri K.V. Sridhar	-	RCI(MOD), Hyderabad	May 19-20,2014
7	Dr.P.Sreehari Rao	-	University college of Engg,Osmania University, Hyderabad	13/06/2014
8	Dr. T.Kishore Kumar	-	International conference on Communication and signal processing ICCSP-2014, QISCET,Ongole	20/04/2014
9	Dr. T.Kishore Kumar	Signa Processing	Sri Vasavi Institute of Engg. And Tech.,Krishna Dist.	04/04/2014
10	Dr. Ravi Kumar Jatoth	-	Vaddeswaram, Guntur	20-03-2015
11	Dr. Ravi Kumar Jatoth	AVR Microcontrollers and their applications	Guru Nanak Institute of Technology, Hyderabad	28-02-2015

2. CONFERENCES / SYMPOSIA SESSIONS CHAIRED

S. No.	Name of the Faculty	Event Title	Place	Dates
1	Dr. P. Sreehari Rao	Recent Advances in Communication and Electronics(RACE-15)	Kamala Institute of Technology & Science, Huzurabad,Karimnagar	27-02-2015
2	Dr. T.Kishore Kumar	Social Signal Processing in International Conference on Photonics,VLSI and signal Processing	K.U., Warangal	28/03/2014

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	4-10 October 2013
3.	Dr. P.Sri Hari Rao	USA	Arizona University	November 23-December 23, 2013
4.	Dr. B. Lakshmi	USA	University of California, Texas	November 16-December 16, 2013

गणतंत्र दिवस समारोह, 26th जनवरी, 2015
Republic Day Celebrations, 26th January, 2015







5.	Shri A.Prakasa Rao	Los Angeles,USA	University of Southern California, Los Angeles	May 24-June 23, 2014
6.	Sri P.Muralidhar	Los Angeles,USA	University of Southern California, Los Angeles	May 24-June 23, 2014
7.	Dr.V.Venkata Mani	Houston,USA	Rice University, Houston	May 9-June 15, 2014
8	Dr. D.Vakula	Columbus, USA	The Ohio State university	2 June 2014 to 2 July 2014

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

S. No.	External Organisation	MoU Signed on	Remarks
1	RCI DRDO	Jan 2013	

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	Sensors kits & modules		Micromech Instrument	381937.00	2014-2015	Transducers lab

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

S. No.	Name	Designation	Additional Duty	Duration	
				From	To
1.	Dr. T.Kishore Kumar	Associate Professor	Faculty Incharge CAI		June 2014
2.	Dr. L.Anjaneyulu	Associate Professor	Faculty Incharge Computer Center		Till to date

7. ADMINISTRATIVE ROLES

A. DEPARTMENTAL

S. No.	Role	Faculty-in charge	Term
1.	B.Tech IVth year Coordinator	Dr. D Vakula	2013-14
2.	B.Tech IIIrd year Coordinator	K.V.Sreedhar	2013-14
3.	B.Tech IInd year Coordinator	Dr.N.Bheema Rao	2013-14

B. INSTITUTIONAL

S. No.	Role	Faculty-in charge	Term
1.	B.Tech ECE NBA Coordinator	Dr. T.Kishore Kumar	2014
2.	M.Tech ACS NBA Coordinator	Dr. L.Anjaneyulu	2014
3.	M.Tech EI NBA Coordinator	Dr.C.B.Rama Rao	2014
4.	M.Tech VLSI NBA Coordinator	Dr.N.Bheema Rao	2014
5	TWANIT EC member	Dr. Vakula D	2014

8. ANY OTHER SIGNIFICANT INFORMATION

1. Awarded NBA Accreditation for 5 years for UG program
2. Awarded NBA Accreditation for 5 years for M. Tech VLSI
3. Best ECE Association for 2014-2015 in the institute

DEPARTMENT OF METALLURGICAL MATERIALS ENGINEERING

1. ACHIEVEMENTS / AWARDS / INNOVATIONS

S. No.	Name of the Faculty	Nature of the Achievement/ Award / Innovation
1	Dr. G. V. S. Nageswara Rao, Professor	Best Engineering Researcher Award-2014

2. EXTENTION / EXPERT / INVITED LECTURES DELIVERED ELSEWHERE

S. No.	Name of the Faculty	Lecture Title	Place	Dates
1.	Dr. R. Arockiakumar	Development of Ti-Pd based high temperature shape memory alloys Conference title: AMMA-2015	NIT Trichy	11 April 2015
2.	Dr. G. S. Reddy	New Frontiers in Nanomaterials - Synthesis, Properties and Applications	SNIST, Hyderabad	24-01-2015

3. INTERNATIONAL VISITS

S. No.	Name of the Faculty	Countries Visited	Organisations Visited	Dates
1	Dr. Asit Kumar Khanra	USA	-	-

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

S. No.	External Organisation	MoU Signed on	Remarks
1	DMRL, Hyderabad	17-06-2014	-

5. RESEARCH AND CONSULTANCY EXPERTISE

A. Research Areas Active in

Extractive Metallurgy, Corrosion and Removal of Heavy Metal Ions from Waste Process Solutions, Process Metallurgy, Sulphide Metallurgy, Surface Engineering, Powder Metallurgy; Material Testing and Characterization, Foundry Metallurgy, Extractive Metallurgy, Deformation Behavior of Materials, Fatigue and Fracture, Recrystallisation and Texture, Composite Materials, Thermo-Mechanical Treatments, Phase Transformations, Nanomaterials, Biomaterials, High Temperature Materials, Shape Memory Materials.

B. Consultancy Capabilities in

Materials Characterization, Mechanical Working, Corrosion, Friction & Wear, High Temperature Materials, Material Testing & Characterization, Thermo-Chemical Treatments and Coatings etc.

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, (iii) Life member of MRSI, and (iv) Life member of 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
(12) Dr. Arockia Kumar: Life member, Indian Institute of Metals (IIM)

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.c
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	30.06.2014
			Dean, Research and Consultancy	01.07.2014	Till date
3	Dr. G. V. S. Nageswara Rao	Professor	Co-convener, Research Advisory Committee (RAC)	24-10-2013	20.06.2014
			Convener, Research Advisory Committee (RAC)	01.07.2014	Till date
4	Dr. N.Narasaiah	Assoc. Professor	Head of the Department Class advisor for M.Tech & Ph.D	18.03.2013	Till date
5	Warden	Dr. Bonta Srinivasa Rao	1.8K, A- Block, ground to 2nd floor	01.01.2015	Till date

9. ADMINISTRATIVE ROLES

C. DEPARTMENTAL

S. 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, DAC-UG Member	Dr. C. Vanitha	Since 2010 Since 2008
7	SEM In-Charge, TEQIP Coordinator, DAC-PG Member	Dr. Asit Kumar Khanra	Since 2008
8	DAC-UG Member	Mr.V. Rangadhara Chary	Since 2012
9	Class advisor for M.Tech, DAC-PG Member	Dr. Ajoy Kumar Pandey	Since 2014
10	Class advisor for B.Tech II year, Department training and placement representative, Adhoc Faculty Recruitment Coordinator, Annual Report Coordinator, DAC-UG Member	Dr. Brahma Raju Golla	Since March 2014
11	Class advisor for B.Tech final year, Faculty advisor Metallurgical and Materials Engineering Associations, Faculty advisor Ph.D. Research scholars, DAC-PG Member	Dr. R. Arockia Kumar	Since March 2014
12	Class advisor for B.Tech III year, DAC-UG Member, Departmental Website incharge, Mechanical Metallurgy lab incharge	Dr. Bonta Srinivasa Rao	Since March 2014 Since Jan. 2015

D. INSTITUTIONAL

S. 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	12.06.2013 to 30.06.2014
3	Dean, Research & Consultancy	Dr.G.V.S. Nageswara Rao	01.07.2014 to till date
4	Member of Disciplinary action committee	Dr.G.V.S. Nageswara Rao	01.07.2014 to till date
5	Chairman, Stores Purchase Committee	Dr.G.V.S. Nageswara Rao	01.07.2014 to till date
6	Head of the Department	Dr. N.Narasaiah	Since 18.03.2013
7	Warden	Dr. Bonta Srinivasa Rao	01.01.2015 to till date

10. ANY OTHER SIGNIFICANT INFORMATION

Prof. G.V.S. Nageswara Rao: Subject Expert for faculty recruitment – VSSUT, Burla, Odisha; External examiner for Ph.D. Viva – JNTU, Hyderabad

CHEMICAL ENGINEERING DEPARTMENT:

1. PATENTS REGISTERED / WON

S. No.	Name of the Faculty	Patent's Registration No.	Status (Pending / Won)
1.	Y. Pydi Setty & T. Sunil Kumar	3338/CHE/2014A	Pending (Filed on 18 July 2014)
2.	Shirish Sonawane	635/CHE/2015	Pending

2. ACHIEVEMENTS / AWARDS / INNOVATIONS

S. No.	Name of the Faculty	Nature of the Achievement/ Award / Innovation
1.	Dr. A. Seshagiri Rao	• Indian National Academy of Engineering (INAE) Young Engineer Award under the age of 35 years in the year 2014 • Indian Institute of Chemical Engineers (IIChE) Ame Dye-Chem Award for Excellence in Research and Development (under the age of 35 years) for 2014

3. EXTENTION / EXPERT / INVITED LECTURES DELIVERED ELSEWHERE

S. No.	Name of the Faculty	Lecture Title	Place	Dates
1.	Mr. A. Sarath Babu	NBA-Accrediation process	PVP institute of science and technology, Vijayawada	14 February 2015
2.	Mr. A. Sarath Babu	Pinch technology – PT 2K14	GMR institute of technology, Rajam	28-29, April 2014
3.	Dr. K. Anand Kishore	Optimization of parameters of a bioprocess-A case study	SGGS, Nanded	19 January 2015
4.	Dr. Shirish H Sonawane	Stepping into advanced flow reactors	Center for chemical science and technology, JNTUH, Hyderabad	25-26 February 2015

5.	Dr. Shirish H Sonawane	Functional nanomaterials for solar cells seminar on energy for tomorrow	Darda institute of technology, Yawatmal	13 March 2015
6.	Dr. Shirish H Sonawane	Recent trends in process intensification methods	Osmania university, Hyderabad	29 September 2014
7.	Dr. Sunil K. Thamida	Lattice Boltzmann method for fluid flow simulation, Advanced computational methods in engineering & science	Department of Mathematics, NIT Warangal	1-3 April 2015
8.	Dr. P.V. Suresh	Fuel cells	Department of Chemical engineering, NIT Warangal	1-2, November 2014
9.	Dr. P.V. Suresh	Fuel cells – overview & challenges	VNR VJIT, Hyderabad	4-6, December 2014
10.	Dr. Vidyasagar Shilapuram	Solar hydrogen production form natural gas decomposition	NIT Raipur	12-13 June, 2014
11	Prof. R.C.Sastry	Curriculum design & development	SVUCE, Tirupati	

4. CONFERENCES / SYMPOSIA SESSIONS CHAIRED

S. No.	Name of the Faculty	Event Title	Place	Dates
1.	Dr. Y. Pydi Setty	International conference on new trends in chemical, energy and environmental engineering (INCEEE 2015)	Department of chemical engineering, NIT Warangal	20-21 March, 2015
2.	Mr. A. Sarath Babu	International conference on new trends in chemical, energy and environmental engineering (INCEEE 2015)	Department of chemical engineering, NIT Warangal	20-21 March, 2015
3.	Dr. A. Venu Vinod	International conference on new trends in chemical, energy and environmental engineering (INCEEE 2015)	Department of chemical engineering, NIT Warangal	20-21 March, 2015
4.	Dr. K. Anand Kishore	International conference on new trends in chemical, energy and environmental engineering (INCEEE 2015)	Department of chemical engineering, NIT Warangal	20-21 March, 2015
5.	Dr. Shirish H Sonawane	International conference on new trends in chemical, energy and environmental engineering (INCEEE 2015)	Department of chemical engineering, NIT Warangal	20-21 March, 2015
6.	Dr. Sunil K. Thamida	International conference on new trends in chemical, energy and environmental engineering (INCEEE 2015)	Department of chemical engineering, NIT Warangal	20-21 March, 2015
7.	Dr. P.V. Suresh	International conference on new trends in chemical, energy and environmental engineering (INCEEE 2015)	Department of chemical engineering, NIT Warangal	20-21 March, 2015
8.	Dr. G. Uday Bhaskar Babu	International conference on new trends in chemical, energy and environmental engineering (INCEEE 2015)	Department of chemical engineering, NIT Warangal	20-21 March, 2015
9.	Dr. S. Murali Mohan	International conference on new trends in chemical, energy and environmental engineering (INCEEE 2015)	Department of chemical engineering, NIT Warangal	20-21 March, 2015

10.	Dr. V. Ram Sagar	International conference on new trends in chemical, energy and environmental engineering (INCEEE 2015)	Department of chemical engineering, NIT Warangal	20-21 March, 2015
11.	Dr. Vidyasagar Shilapuram	International conference on new trends in chemical, energy and environmental engineering (INCEEE 2015)	Department of chemical engineering, NIT Warangal	20-21 March, 2015
12	Prof. R.C. Sastry	International conference on new trends in chemical, energy and environmental engineering (INCEEE 2015)	Department of chemical engineering, NIT Warangal	20-21 March, 2015
13	Prof. G Venkat Reddy	International conference on new trends in chemical, energy and environmental engineering (INCEEE 2015)	Department of chemical engineering, NIT Warangal	20-21 March, 2015
14	Dr. S. Srinath	International conference on new trends in chemical, energy and environmental engineering (INCEEE 2015)	Department of chemical engineering, NIT Warangal	20-21 March, 2015

5. INTERNATIONAL VISITS

S. No.	Name of the Faculty	Countries Visited	Organisations Visited	Dates
1.	Dr. A. Venu Vinod	USA	Michigan technological university	May 2014
2.	Dr. K. Anand Kishore	London, UK		23-24 March 2015
3.	Dr. S. Srinath	London, UK		23-24 March 2015

6. 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
•	Corrosion
•	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 & Process Scale-up

7. MEMBERSHIP in PROFESSIONAL and S&T BODIES

Prof. R.C. Sastry
Member AICTE, Delhi
Member AICTE, NBA
Expert committee member for DRDO Selections

Dr. Y. Pydi Setty
IIChE-Life Time Member
ISTE-Life Time member
IE(I) Fellow member

Dr. A. Venu vinod
Member of American Institute of Chemical Engineers
Life member of Indian Institute of Chemical Engineers (IIChE)
Life member of Indian Society for Technical Educations (ISTE)
Member, European Federation of Biotechnology (EFB)
Member, Chemical, Biological & Environmental Engineering Society

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

Dr. T. Sunil Kumar
Life Member of Indian Institute of Chemical Engineers
Life Member of Indian Society for Technical Education

Dr. P.V.Suresh
AICHE membership
IIChE Life Member - LM-50138

Dr. G. Uday bhaskar Babu
IICHE life member

Dr. S. Murali Mohan
IICHE membership

Dr. V. Ram Sagar
IICHE life member

Dr. S. Vidyasagar
Life Member- IIChE

8. MEMBERSHIP in EDITORIAL BOARDS of RESEARCH JOURNALS

Prof. R.C. Sastry
Reviewer for African journal of Microbiology Research

Dr. Y. Pydi Setty
International Journal of Biotechnology Applications (Bioinfo publications)
Energy & Power (Scientific and Academic Publishing)

Dr. K. Anand Kishore

Editorial board member, international journal of general engineering and technology
Editorial board member, international journal of chemical sciences and applications, a biolT international journal.

Dr. Shirish Sonawane

Editorial Board Member Nanoparticle Research
Editorial Board Member Austin Chemical Engineering Journal

Dr. P.V. Suresh

Reviewer for fuel journal
Reviewer for journal of power sources

9. ADMINISTRATIVE ROLES

A. DEPARTMENTAL

S. No.	Role	Faculty-in charge	Term
1.	Member of departmental purchase committee	Dr. Y. Pydi Setty	1-4-2014 to 31-3-2015
2.	Member DAC-UG	Dr. Y. Pydi Setty	1-4-2014 to 31-3-2015
3.	Member DAC-PG&R	Dr. Y. Pydi Setty	1-4-2014 to 31-3-2015
4.	Incharge for simulation & data processing laboratory	Mr. A. Sarath Babu	1-4-2014 to 31-3-2015
5	Head of the department	Dr. A. Venu Vinod	03-12-2013 to 21-11-2014
6.	Head of the department	Dr. K. Anand Kishore	20-11-2014 to till date
7.	faculty in-charge for Heat transfer laboratory	Dr. T. Sunil Kumar	1-5-2014 to till date
8.	Coordinator for NBA, M.Tech programme	Dr. T. Sunil Kumar	21-7-2014 to till date.
9.	Faculty in-charge for fluid and particle mechanics laboratory	Dr. P.V. Suresh	December 2013 to till date
10.	Treasurer, Chemical Engineering Association (ChEA)	Dr. P.V. Suresh	November 2013 to till date
11.	Core NBA team member for chemical engineering department	Dr. P.V. Suresh	November 2013 to till date
12.	Faculty in-charge for chemical technology laboratory	Dr. G. Uday Bhaskar Babu	December 2014 to till date
13.	Faculty advisor for M.Tech	Dr. G. Uday Bhaskar Babu	December 2014 to till date
14.	Faculty Advisor for IV B.Tech., Chemical engineering	Dr. S. Murali Mohan	June 2014 to till date
15.	Coordinator for NBA team for chemical engineering	Dr. S. Muarali Mohan	November 2013 to till date
16.	In-charge of department semester time table	Dr. V. Ram Sagar	1-4-2014 to 31-3-2015
17.	IV B.Tech project in-charge	Dr. V. Ram Sagar	13-01-2015 to till date
18.	In-charge of industrial visits & internships	Dr. V. Ram Sagar	13-01-2015 to till date
19.	Faculty in-charge for mas transfer laboratory for Biotechnology students	Dr. V. Ram Sagar	1-4-2014 to 31-3-2015
20.	Faculty in-charge for mass transfer laboratory	Dr. Vidyasagar Shilapuram	Academic year 2013-14 to till 6-5-2015
21.	Library in-charge on behalf of department	Dr. Vidyasagar Shilapuram	2014 onwards
22	Departmental Purchase Committee member	Prof. R.C. Sastry	7-4-2014 to till date
23	Departmental Purchase Committee member	Prof. G.Venkat Reddy	17-06-2014 to 31-03-2015

24	Faculty advisor (ChEa IICHE) UG DAC PG DAC	Dr. S. Srinath	1-7-2014 to till date
25	ISH Warden	Dr. T.Sunil Kumar	1-7-2014 to till date
26	II year B.Tech. Faculty Advisor	Dr. T.Sunil Kumar	July 2012 to till date
27	Faculty Advisor for IV B.Tech	Dr. P.V. Suresh	Nov. 2012 to June 2014

B. INSTITUTIONAL

S. No.	Role	Faculty-in charge	Term
1.	Member, Board of governers	Mr. A. Sarath Babu	1-4-2014 to 31-05.2015
2.	Member, NBA coordination committee	Mr. A. Sarath Babu	1-4-2014 to 31-05.2015
3.	Associate Dean (Admissions)	Dr. A. Venu Vinod	24-11-2014 to till date
4.	Secretary, students co-operative stores	Dr. K. Anand Kishore	1-3-2013 to till date
5.	Faculty in charge, Institute shops & establishmens	Dr. K. Anand Kishore	26-9-2013 to till date
6.	Co-ordinator, SC/ST cell	Dr. K. Anand Kishore	30-9-2013 to till date
7.	Warden for International students hostel	Dr. T. Sunil Kumar	1-7-2014 to till date
8.	Member, Interdisciplinary center of excellence on "sustainable energy studies"	Dr. P.V. Suresh	Dec. 2012 to till date
9.	Chairman, Games Committee	Prof. R.C. Sastry	1-4-2014 to 31-3-2015
10	Senate Member	Prof. R.C. Sastry	1-4-2014 to 31-3-2015
11	Senate Member	Dr. Y.Pydisetty	1-4-2014 to 31-05.2015
12	Assoc. Dean Academic Audit	Mr. A. Sarath Babu	1-4-2014 to 31-3-2015
13	Dy. Chief Warden	Dr. S. Srinath	27-1-2015 to till date

10. ANY OTHER SIGNIFICANT INFORMATION

Prof. R.C. Sastry

1. NBA committee member to external institutes. Visited MIT, Pune of during Jan. 30 – Feb.1, 2015 on NBA report committee
2. Book chapter: Process engineering principles and technological aspects of synthesis gas production from Biomass, Biotechnology.
3. Reviewed 3 Ph.D., sending the academic year during 2014-15 for JNTU Ananthapur & Hyderabad

Dr. Y. Pydi Setty

1. External member for viva-voce for Ph.D thesis at NIT Trichy on 15 September, 2014
2. Guided K. Narasimhulu, Assistant Professor, Dept. of Biotechnology, NITW for Ph D (Completed-2013)
3. Guiding Onkara Perumal Assistant Professor, Dept. of Biotechnology, NITW for Ph D (Pursuing)
4. Guided one candidate for AMIE (IEI (India)-Chemical Engineering Division) who is working at Heavy water project, Manuguru
5. Member of doctoral scrutiny committee for several research scholars in various departments of institute (mathematics, chemistry, biotechnology, mechanical engineering, MME, chemical engineering)

Mr. A. Sarath Babu

Member, board of studies, RVR&JC College of Engineering, Guntur.

Dr. A. Venu Vinod

1. External member for viva-voce for M.S thesis for Anna university, Chennai (2014)
2. External member for viva-voce for Ph.D thesis for Satyabhama university, Chennai (2014)
3. External member for viva-voce for M.Tech (Research) thesis for NIT Rourkela (2014)
4. Reviewed Ph.D thesis for Academy of Scientific & Innovative Research (AcSIR), Govt. of India (Indian Institute of Petroleum), (2015)
5. Convener, International conference on New frontiers in Chemial, Energy and Environmental Engineering (INCEEE 2015), 20-21 March, 2015, National Institute of Technology, Organized on the occasion of the Golden Jubilee of the Department of Chemical Engineering, Warangal.

Book chapters

1. T. Srinivas and A. Venu Vinod, "Natural convection heat transfer enhancement in shell and coil exchanger using CuO/water nanofluid", Chemical and Bioprocess Engineering: Trends and Developments, CRS Press, Taylor & Fransis group, Chapter No. 23. ISBN: 9781771880770, 2015.
2. B. Sujan Kumar and A. Venu Vinod, "Mixing of binary mixture in a spout-fluid bed", Chemical and Bioprocess Engineering: Trends and Developments, CRS Press, Taylor & Fransis group, Chapter No. 23. ISBN: 9781771880770, 2015.

Dr. K. Anand Kishore

1. Attended residential training programme on New reservation policy of government of India, organized by Institute of public administration (IPA), Bangalore at Faridabad during 29-31 May, 2014.

Dr. T. Sunil Kumar

1. External examiner for conducting computer aided process equipment design laboratory, at RVR&JC College of Engineering, Guntur on 15 April, 2015.

Dr. P.V. Suresh

1. Member of BOS of Chemical Engineering Department of GMR Institute of Technology, Rajam.
2. External examiner for conducting mechanical unit operations laboratory at SVU College of Engineering, Tirupathi on 22-08-14 & 23-08-14.

Dr. Vidyasagar Shilapuram

1. Coordinator, Alumni meet of Golden Jubilee Celebrations, Department of Chemical Engineering, 30-31 January, 2015
2. Attended faculty development program workshop on thermodynamic analysis of modern separation processes, 24-28 November, 2014 at IIT Madras.
3. Reviewer of International journal of hydrogen energy; Journal of porous media; Journal of chemical technology.

Dr. S. Srinath

1. Coordinator, INCEEE-2015
2. Reviewed latest or editioner Text Book "Introduction to process Engineering and design" SB Thakore, B1 Bhatt, Mc Grew hill edition.

COMPUTER SCIENCE AND ENGINEERING DEPARTMENT:

1. EXTENTION / EXPERT / INVITED LECTURES DELIVERED ELSEWHERE

S. No	Name of the faculty	Lecture Title	Place	Dates
1	Dr. P. Venkata Subba Reddy	Searching and Sorting Algorithms	JNTUA College of Engineering Anantapuramu	26th March 2015
2	Dr. Rashmi Ranjan Rout	Research Week-2015 (Track: Wireless Sensor Network)	Gujurat Technological University(GTU), Ahemedabad	21st March 2015
3	Dr. Rashmi Ranjan Rout	Recent Advances in Cloud Computing	Mahatma Gandhi University(MGU), Nalgonda	12th March 2015
4	Dr. Rashmi Ranjan Rout	Recent Advancements in Wireless and Mobile Network Technologies	RCC Institute of Information Technology, Kolkata	21st July -25 July 2014
5	Dr. U.S.N. Raju	UGC sponsored three week refresher course on Clouders: Big Data and Cloud Analytics entitled "Recent Development in Big Data Image Processing"	JNTUH Hyderabad,A.P.	25th November, 2014.
6	Dr. U.S.N. Raju	One-week Faculty Development Program on "Image Processing and it's Applications entitled "Big Image/Video data Processing"	Mahatma Gandhi Institute of Technology, Hyderabad, Telangana	16th Dec, 2014
7	Dr. U.S.N. Raju	For the B.Tech. I Year students. "Introduction to Computing"	Narayana Engineering College, Nellore, Andhra Pradesh	19th Dec, 2014
8	Dr. U.S.N. Raju	"Weighted Finite Automata based Image Processing"	JNTU Vizianagaram	24th Jan, 2015.
9	Dr. U.S.N. Raju	Nanded, Maharastatra	One day workshop on Image Processing with hands on experience on MATLAB	

2. INTERNATIONAL VISIT

S. No	Name of the Faculty	Country Visited	Organisation Visited	Dates
1	Dr. Rashmi Ranjan Rout	United Kingdom	Oxford, United Kingdom	From 10-12 September 2014

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

4. 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. P. Venkata Subba Reddy	Academy of Discrete Mathematics and Applications (ADMA)	Life Member
2		Forum for Interdisciplinary Mathematics (FIM)	Member
1	Dr. R.R. Rout	Indian Society for Technical Education, India (ISTE)	Life Member
2		IEEE	Member
1	Dr.K.V.Kadambari	Institution of Electrical & Electronic Engineers, USA (IEEE)	member
1	Dr.U.S.N.Raju	Institution of Engineers, India	Member
2		Institution of Electrical & Electronic Engineers, USA (IEEE)	Member
3		Indian Society for Technical Education, India (ISTE)	Life Member
4		Computer Society of India (CSI)	Life Member
5		Indian Science Congress Association (ISCA)	Life Member
6		IAENG	Life Member
7		IJMSEA	Life Member

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

S. No	Name	Designation	Additional Duty	Duration	
				From	To
	Dr. K V Kadambari	Asst.Professor	Ladies hostel Warden	2014	current
	Dr. K V Kadambari	Asst.Professor	Women protection cell Member	2015	current

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. EXTENTION / EXPERT / INVITED LECTURES DELIVERED ELSEWHERE

S. No.	Name of the Faculty	Lecture Title	Place	Dates
1.	Dr. P.Sreenivasa Rao	Restriction endonucleases	Kakatiya University, Warangal	20-08-2014
2.	Dr. Rama Raju. B	Radial Immunodiffusion	Kakatiya University, Warangal	20-08-2014

2. MEMBERSHIP in PROFESSIONAL and S&T BODIES

i. Life Member, Biotech Research Society of India (BRSI) http://www.brsi.in/
ii. Life Member, Association for promotion DNA finger Printing and other DNA technologies (ADNAT) http://www.adnat.in/
iii. Biannual Member, International METABOLIC Engineering Society (IMES) http://imes.aiche.org
iv. Annual member, Society for Biological Engineers (SBE) http://www.aiche.org/sbe

3. EMBERSHIP in EDITORIAL BOARDS of RESEARCH JOURNALS

1. Dr. Rama Raju.B Editorial Board member *Journal of Enzymology and Metabolism* (Open science publications) http://www.opensciencepublications.com/indian-journals1/journal-of-enzymology-and-metabolism/editorial-board

4. ADMINISTRATIVE ROLES

C. DEPARTMENTAL

S.No.	Role	Faculty-in charge	Term
1.	Time Table In-charge	Mr. Onkara Perumal.P	Until further orders (2 Years)
2.	In-charge Printers, computers, UPS, ACs, Water Coolers, Projectors, E-class room	Mr. Onkara Perumal.P	Until further orders (2 Years)
3.	Lab In-charge Bioinformatics Lab	Mr. Onkara Perumal.P	Until further orders (2 Years)

4.	Treasurer for Technical Association of Biotechnology (TAB),	Dr. K. Narasimhulu	Until further orders (2 Years)
5.	Faculty Coordinator for Web Advisory Committee	Dr. K. Narasimhulu	Until further orders (2 Years)
6.	Lab In-charge Instrumentation and analysis Lab	Dr. K. Narasimhulu	Until further orders (2 Years)
7.	Departmental NBA coordinator	Dr. P.Sreenivasa Rao	Until further orders (2 Years)
8.	Departmental TEQIP coordinator	Dr. P.Sreenivasa Rao	Until further orders (2 Years)
9.	Faculty Advisor Technical Association of Biotechnology(TAB)	Dr. P.Sreenivasa Rao	Until further orders (2 Years)
10.	Lab In-charge Downstream processing Lab	Dr. P.Sreenivasa Rao	Until further orders (2 Years)
11.	Faculty-in-charge for IV B.Tech. Biotechnology	Dr. R. Satish Babu	Until further orders (2 Years)
12.	Faculty-in-charge, Alumni affairs	Dr. R. Satish Babu	Until further orders (2 Years)
13.	Lab In-charge Bioprocessing Lab	Dr. R. Satish Babu	Until further orders (2 Years)
14.	Training & Placement	Dr. Rama Raju. B	Until further orders (2 Years)
15.	Industrial tours& visits	Dr. Rama Raju. B	Until further orders (2 Years)
16.	Internships & industrial training	Dr. Rama Raju. B	Until further orders (2 Years)
17.	Lab- in charge Biochemistry Lab	Dr. Rama Raju. B	Until further orders (2 Years)
18.	Faculty-in-charge for II/IV B. Tech Biotechnology	Dr. Prakash Saudagar	Until further orders (2 Years)
19.	Faculty-in charge Library	Dr V Kohila	Until further orders (2 Years)
20.	Lab In-charge : Genetic Engineering Lab	Dr. Asim Bikas Das	Until further orders (2 Years)
21.	Ph. D. course coordinator	Dr. Urmila Saxena	Until further orders (2 Years)
22.	Department Academic audit coordinator	Dr. Urmila Saxena	Until further orders (2 Years)
23.	Laboratory In-charge Microbiology Lab	Dr. Amitava Bandhu	Until further orders (2 Years

D. INSTITUTIONAL

S. No.	Role	Faculty-in charge	Term
1	Faculty-Advisor, Dance& Dramatic Club, NIT Warangal.	Dr. K. Narasimhulu	Two years
2	Warden Boys Hostel 1,3, 5 Blocks	Mr. Onkara Perumal.P	Two years
3	Associate NCC officer (ANO)	Dr. R. Satish Babu	Until further orders (2 years)
4	Member, Institute Curriculum Review Committee	Dr. Urmila Saxena	Until further orders (2 years)

MATHEMATICS DEPARTMENT

1. ACHIEVEMENTS / AWARDS / INNOVATIONS

S. No.	Name of the Faculty	Nature of the Achievement/ Award / Innovation
1	J.V.Ramana Murthy	Outstanding presentation for the paper entitled "Second Law Analysis Of The Flow Of Two Immiscible Couple Stress Fluids In Four Zones" presented at 10th international conference HEFAT 2014, 14 – 26 July 2014, Orlando, Florida
2	Ch. Ramreddy	Awarded best paper for "A novel spectral relaxation method for mixed convection in the boundary layers on an exponentially stretching surface with MHD and cross-diffusion effects", in presented at 3rd International Conference on Advances in Mathematical Sciences (ICAMS'15) Jan. 11-12, 2015 Dubai (UAE).

2. EXTENTION / EXPERT / INVITED LECTURES DELIVERED ELSEWHERE

S. No.	Name of the Faculty	Lecture Title	Place	Dates
1	Prof.G. Radha-krishnamacharya	INSPIRE PROGRAM	Andhra University, Visakhapatnam	December,2014
2	Prof.G. Radha-krishnamacharya	Invited Talk	G M R Institute of Technology, Rajam, Andhrapradesh	December 2014

3	Prof.G. Radha-krishnamacharya	National Conference on Recent trends and Advances in Mathematics and its Applications	Sri Padmavathi Mahila University, Tirupati	12 – 13 March, 2015.
4	Prof.G. Radha-krishnamacharya	Invited Talk	Osmania University, Hyderabad	March 30, 2015.
5 6	YNReddy	Boundary Layer Methods	Osmania University, Hyderabad	10, December 2014
7	YNReddy	Delay Differential Equations	Gudleppa Hallikeri College, Haveri,	29-30, January 2015
8	YNReddy	Difference Equations	Satavahana University, Karimnagar	29-30, January 2015
9	Dr. R. S. Selvaraj	Mathematical Coding Theory & Cryptography (Lecture Series)	University VOC College of Engineering, Anna University, Thoothukudi	17.10.2014
10	Dr. H.P. Rani	Recent advanced techniques in fluid dynamics: Finite-Volume (control-Volume) Method	Department of Mathematics, Osmaina University, Hyderabad	8th Dec 2014
11	Dr. H.P. Rani	CFD Analysis of FAC problems in pipes and pipe bends	Theme Meeting on Flow Accelerated Corrosion (FACT-2014), organised by Water and Stream Chemistry Division & Atomic Energy Regulatory Board, Kalpakkam.	20-21st Nov. 2014

3. CONFERENCES / SYMPOSIA SESSIONS CHAIRED

S. No.	Name of the Faculty	Event Title	Place	Dates
1	Y.N. Reddy	IJAS Conference	University of London	3-7, November 2014
2	Y.N. Reddy	International conference on Vibration Problems	Kakatiya University	18-20, February 2015
3	K.N.S. Kasi Viswanadham	3rd International Conference on Advances in Mathematical Sciences	Dubai (UAE)	11-12, January, 2015
4	H.P. Rani	Int. Conf. on vibration Problems	Kakatiya University, Warangal	18-20 Feb 2015
5	Ch. RamReddy	International conference on Vibration Problems	Kakatiya University	18-20, February 2015

4. INTERNATIONAL VISITS

S. No.	Name of the Faculty	Countries Visited	Organisations Visited	Dates
1	Y.N. Reddy	United Kingdom	University of London	3-7, Nov. 2014
2	D. Srinivasacharya	Dubai (UAE)	ISAET	Jan. 11-12, 2015.
3	Ch.RamReddy	Dubai (UAE)	ISAET	Jan. 11-12, 2015.

5. RESEARCH AND CONSULTANCY EXPERTISE

A. Research Areas Active in

- Fluid Dynamics
- Computational Fluid Dynamics
- Biomechanics
- Operations Research, Optimization
- Numerical Analysis
- Finite element methods

- Statistics
- Functional Analysis
- Linear Algebra
- Finite difference and volume methods
- Heat and Mass transfer
- Nonlinear dynamics

Coding theory

B. Consultancy Capabilities in

- Computational Methods
- Computational Fluid Dynamics

6. MEMBERSHIP in PROFESSIONAL and S&T BODIES

- **K.N.S.Kasi Viswanadham:** Indian Society for Technical Education; Andhra Pradesh Society for Mathematical Sciences; Indian Society for Industrial and Applied Mathematics; Indian Society for Theoretical and Applied Mechanics
- **D. Srinivasacahrya:** Life member of Indian Society of Theoretical and Applied Mechanics; Senior member of International Association of Computer Science and Information Technology (IACSIT); Life member of Andhra Pradesh Society for Mathematical Sciences (APSMS)
- **R. S. Selvaraj:** Life member of Cryptology Research Society of India – CRSI"
- **H.P.Rani:** Indian Society for Theoretical and Applied Mathematics (ISTAM); American Mathematical society (AMS); 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
- **D. Bhargavi:** Life member of Indian Society of Theoretical and Applied Mechanics;
- **T. Kurmayya:** Member in American Mathematical society; Member in Ramanujan Mathematical society
- **Ch.Ramreddy:** Life member of Indian Society of Theoretical and Applied Mechanics; Senior member of International Association of Computer Science and Information Technology (IACSIT); Life member of Andhra Pradesh Society for Mathematical Sciences.

7. MEMBERSHIP in EDITORIAL BOARDS of RESEARCH JOURNALS

- **D. Srinivasacahrya:** Chief Editor of Universal Journal of Computational Mathematics; Member in Editorial board of Open Transport Phenomena Journal
- **H.P.Rani:** Physics of fluids; European Jr. of Mechanics; Jr. of Applied Fluid Mechanics; Jr. of Energy Heat and Mass Transfer; Annals of Biomedical Engineering
- **Ch.Ramreddy:** Universal Journal of Computational Mathematics; Research Journal of Pure Science; International Journal of Advanced Trends in Computer Applications.

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

S. No.	Name	Designation	Additional Duty	Duration	
				From	To
1	K.N.S.Kasi Viswanadham	Professor	Associate Dean (accounts)	1-4-2014	29-10-2014
2	D. Dutta	Professor	Deputy Chief Warden + Mess III + Room &Mess Allotment	Jan 2014	Till Todate
3	P. Muthu	Associate Professor	Warden, Mess -1	01 April 2013	Upto April/ May 2014
4	J. Pranitha	Assistant Professor	LH Warden	July 2014	Till Date
5	R. S. Selvaraj	Assistant Professor	Warden to Godavari Mess	July 2012	8th Jan. 2015
6	T. Kurmayya	Assistant Professor	Warden, In-charge of Sanitation	July 2014	Till Date
7	Ch. Ramreddy	Assistant Professor	Warden, In-charge of Lifts and electrical in 1.8K	July 2014	Till Date

8	Ch. Ramreddy	Assistant Professor	Member, Annual Report Committee, Dept of Mathematics, NIT Warangal.	April, 2014	Till Date
9	Ch. Ramreddy	Assistant Professor	One of the In-Charge of Sub-Committees of the Technozion-14,NITWarangal	Dec. 2014	Dec. 2014

9. ADMINISTRATIVE ROLES

A. DEPARTMENTAL

S. No.	Role	Faculty-in charge	Term
1	Prof. J.V. Ramana Murthy	Head, Dept. of Mathematics	Jan 2013-Till date
2	Prof. D. Dutta	General Advisor	Till to date
3	Dr. P. Muthu	Incharge,Department Libraray	2014 – 2015
4	Dr. P. Muthu	Member, NITWET 2014-15 Exam	Summer 2014
5	Dr. R. S. Selvaraj	Course Coordinator for Mathematics-I	July - Dec. 2014
6	Dr. R. S. Selvaraj	Dept. Website in-charge	Jan, 2014 - till date
7	Dr. H.P. Rani	Faculty Advisor	2014-Till Date
8	Dr. H.P. Rani	Postgraduate course committee member	2014-Till Date
9	Dr. H.P. Rani	Undergraduate course committee member	2012-2014
10	Dr. Ch. Ramreddy	Time-Table	2014-Till Date
11	Dr. Ch. Ramreddy	Course Coordinator for Mathematics-II	Dec. 2014-May 2015
12	Dr. Ch. Ramreddy	Member, NITWET 2014-15 Exam	Summer 2014

B. INSTITUTIONAL

S.No.	Role	Faculty-in charge	Term
1	Prof.G. Radhakrishnamacharya	Professor I/C, Legal Cell, NIT, Warangal	December 2012- till date.
2	Prof.G. Radhakrishnamacharya	Internal Member, BoG, NIT, Warangal,	November 2013 for two years
3	J.V.Ramana Murthy	Nodal Officer for MHRD data	2011, Feb -- Till Date
4	Dr.D. Srinivasacharya	Associate Dean (Examinations) Chief Warden Faculty Advisor for M.Sc. (Mathematics) In-charge, Computation Lab, Department of Mathematics	from March 2013 to June 2014 June 2014 TO Till date July 2009 to June 2014 July 2009 to date
5	Dr. P. Muthu	In Charge, Thirukkural Commemoration Committee	Since 13-01-2015

C. DEPUTATIONAL / MINISTERIAL: NIL

10. ANY OTHER SIGNIFICANT INFORMATION

a. Invited Lectures by external experts:

S. No.	Name of the speaker	Title	Date
1.	Prof. Ch. Srinivasa Rao, IIT Madras	Green's Function	January 7-8, 2015
2	Manoharan, SBI Manger	Personality Development	January, 2015
3	Dr. Mini Ghosh	Mathematical model epidemic	February, 2015

DEPARTMENT OF PHYSICS

1. EXTENTION /EXPERT /INVITED LECTURES DELIVERED ELSEWHERE

S. No.	Name of the Faculty	Lecture Title	Place	Dates
1	Dr. P. Abdul Azeem	Lasers and their applications	DST Inspire Programme Kadapa	Dec., 2014
2	Dr. P. Abdul Azeem	Glass and Glass ceramics for medical applications	Invited lecture at **NCRAM-2014**Loyola College, Pulivendula, Kadapa	1st Nov., 2014
3	Dr. D. Paul Joseph	Optically Transparent Conducting Oxide Thin films for Novel Device Applications	Dept. of Physics, NIT-Warangal, Telangana.	Advances in applied optics, 27th Aug., 2014
4	Dr. D. Paul Joseph	Proximity effect in mutually exclusive magnetic & superconducting thin films	Dept. of Physics, Kakatiya Univ., Telangana.	Recent Advances in Physics, Nov. 6th -7th, 2014
5	Dr. D. Paul Joseph	Hierarchy in mutually exclusive half-metallic and superconducting thin films to exhibit proximity effect	SRM University, Ramapuram Campus, Chennai.	3rd NCHSM, 25th and 26th Feb. 2015.
6	Dr. V. Jayalakshmi	Electro-Optic Applications of Soft Matter systems	Dept. of Physics, NIT-Warangal, Telangana.	Advances in applied optics, 27th Aug., 2014

2. CONFERENCES /SYMPOSIA SESSIONS CHAIRED

S.No.	Name of the Faculty	Event Title	Place	Dates
1	Dr. D. Paul Joseph	3rd National Conference on Hierarchically Structured Materials	SRM Univ., Ramapuram campus, Chennai.	25th and 26th Feb. 2015.

3. INTERNATIONAL VISITS

S. No.	Name of the Faculty	Countries Visited	Organisations Visited	Dates
1	Dr.A. Ramachandra Reddy	UAE		March 16-17
2	Dr. Sourabh Roy	United Kingdom	Oxford University	06/01/2015 to 10/01/2015

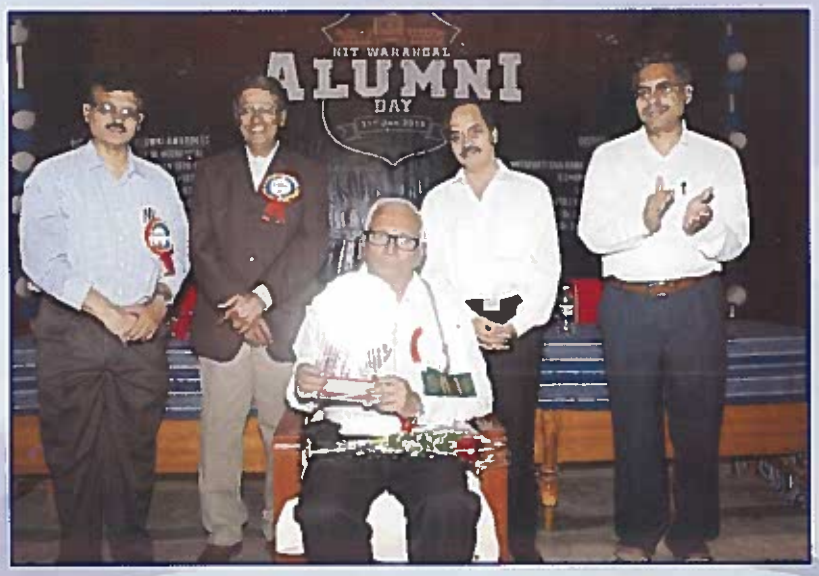
4. RESEARCH AND CONSULTANCY EXPERTISE

A. Research Areas Active in

- Fiber optics sensors
- Nanocomposites
- Medical Instrumentation
- Bio-materials
- Nano Phosphors
- Organic light emitting diodes
- Organic Semiconductors and Devices
- Organic solar cells
- Organic Thin Film Transistors
- Transparent Conducting Oxides and Electrochromics
- Thin Films and Nanomaterials
- Magnetic & Spintronics Materials
- Liquid crystals
- Dielectrics
- Polymers
- Microfluidic devices

पूर्व छात्र दिवस, एनआईटी वरंगल

Alumni Day, NIT Warangal







B. **Consultancy Capabilities in**

- Oxide and metallic thin film coatings using Thermal evaporation, Spray pyrolysis and Spin coating
- Generation of Nano-sized droplets and shells using microfluidic devices

5. MEMBERSHIP in PROFESSIONAL and S&T BODIES

Prof. A. Ramachandra Reddy

1. Life member ISTE (LM16519)
2. Fellow of Institution of Engineers (F.I.E.) (F-1073660)
3. Member Indian Society for Non Destructive Testing ISNT (M4031HD)
4. Life member Instrumentation Society of India (LM967)
5. Life member Crystal growth Association (LM160)
6. Member of American Physical Society (61115959)

Prof. S.V.S. Ramana Reddy

1. Life member ISTE
2. Life member INS
3. Life member INTACH

Dr. P. Abdul Azeem

1. Luminescence society of India (LSI)
2. Materials Research society (MRS)

Dr. Sourabh Roy

1. SPIE
2. Optical Society of America (OSA)
3. Optical Society of India (OSI)

Dr. D. Paul Joseph

1. Materials Research Society of India (Life member) - LMB1367
2. Magnetics Society of India (Life member) – LM456
3. IEEE (2011) – 91222500
4. Indian Physics Association (Life member) – GEN/LM/12995

Dr. V. Jayalakshmi (All in 2014)

1. National Liquid Crystal Society
2. Indian Physics Association
3. American Physical Society

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

S. No	Name	Designation	Additional Duty	Duration	
				From	To
1	Dr. T. Venkatappa Rao	Assistant Professor	Warden	July 2014	Till date
2	Dr. T. Venkatappa Rao	Assistant Professor	NSS coordinator	July 2014	Till date
3	Dr. P. Abdul Azeem	Assistant Professor	Minority coordinator	Jan. 2011	Till date
4	Dr. Sourabh Roy	Assistant Professor	Hostel Warden	July 2014	Till date

7. ADMINISTRATIVE ROLES

A. DEPARTMENTAL

Sl. No	Role	Faculty in charge	Term
1	B. Tech. Course Coordinator	Dr. P. Abdul Azeem	2014-2015

B. INSTITUTIONAL

Sl. No	Role	Faculty in charge	Term
1	Registrar I/C of NITW	Dr. A. Ramachandra Reddy	02/08/2012 to 30/03/2015
2	Professor In charge – NITW Dispensary	Dr. S.V.S. Ramana Reddy	2012 - till date
3	Anti-Ragging Squad member	Dr. T. Venkatappa Rao	2014-15
4	Member & Initiator in CAI, CAM, COE	Dr. P. Abdul Azeem	2014-15 & Ongoing

5	Member & Initiator for the purchase of Glove box in 'Centre for Advanced Materials'	Dr. D. Paul Joseph	2014-15 & Ongoing
6	Member & initiator for the purchase of Polarizing microscope in 'Centre for Advanced Materials'	Dr. V. Jayalakshmi	2014-15 & Ongoing

8. **ANY OTHER SIGNIFICANT INFORMATION**

Three of the newly joined faculty members are holding Research Seed Grant Project for the year 2014-2015 each to the tune of Rs.5.00 Lakhs.

Dr. V. Jayalakshmi published a book entitled "Effect of Doping in Nematic Liquid Crystal: Properties and Applications", Lambert Academic publishing, Dec. 2014.

CHEMISTRY DEPARTMENT:

1. **ACHIEVEMENTS / AWARDS / INNOVATIONS :**

S. No.	Name of the Faculty	Nature of the Achievement/ Award / Innovation
1	B. V. Appa Rao	Best Teacher Award, NIT Warangal.
2	Prof. A. Ramachandraiah	As Coordinator of the Erasmus Mundus Indo-Europe Academic Exchange Programmes, HERITAGE and EUPHATES, at NIT Warangal, he has achieved maximum number (almost 35%) of mobilities for NIT students to Europian Institutes from among 8 Indian Institutes, each
3	Prof. A. Ramachandraiah	MENTOR, in the National Pool of DST INSPIRE
4	Prof. A. Ramachandraiah	Selected as the Sectional President to organize Children's Science Congress at the Golden Jubilee Celebrations of the AP Akademi of Sciences at IICT, Hyderabad during 13th, 14th and 15th November, 2014
5	Prof. A. Ramachandraiah	Regular Science Columnist in *Eenadu, The Hindu, Nava Telangana, Prajasakti, Vidyarthi Chekumui*, etc, elevating the name of NIT Warangal at lakhs of households
6	Prof. A. Ramachandraiah	Offering voluntary Service as Editor of the largest circulated Telugu children's science monthly, *Vidyarthi Chekumuki*, from 1990 taking the name of NIT Warangal to thousands of young minds
7	Prof. A. Ramachandraiah	Member, Board of Studies, JNTU, Hyderabad
8	Prof. K. Laxma Reddy	Elected as Fellow of Andhra Pradesh Akademi of Sciences-2014 (FAPAS) and Elected as Fellow of Telangana Akademi of Sciences-2014 (TSAS)
9.	Dr. N. Venkatathri	Research Gate score : 39.06 (Cumulative International Research out put score of individuals, Highest among NIT, Warangal Faculties)

2. **EXTENTION / EXPERT / INVITED LECTURES DELIVERED ELSEWHERE ;NIL**

S. No.	Name of the Faculty	Lecture Title	Place	Dates
1.	Prof. A. Ramachandraiah	Laws of Nature	Golden Jubilee Celebrations of the AP Akademi of Sciences at IICT, Hyderabad	13th, 14th and 15th November, 2014
2	Prof. P.Nageswara Rao	Thermal methods for Pharmaceutical analysis.	QIP Short-term course,Universitycollege of Pharmacy,KU.Warangal	
3	Prof. K. Laxma Reddy	Oppurtnities in Science Education and Research	INSPIRE programme, KUC, Warangal	24-10-14 – 30-10-2014
4	Prof. K. Laxma Reddy	Quality Enhancement Stratagies in Higher Education	SBMRK PG college, Amalapuram, East Godavari	20-12-201

5.	Prof. V. Rajeswar Rao	Multicomponent reactions in the synthesis of medicinally important heterocyclic compounds	NIT- Raipur	26th May, 2014.
6.	Prof. V. Rajeswar Rao	Recent Developments on MCRs	University college of Pharmaceutical Sciences, KU-Warangal	20th November-2014
7.	Dr. B. Srinivas	X-ray diffraction techniques	Department of Pharmacy, Kakatiya University, Warangal. (Staff development program in "Recent advances in pharmaceutical analysis" organized under the sponsorship of AICTE.	March 16-28th 2015

3. CONFERENCES / SYMPOSIA SESSIONS CHAIRED :

S. No.	Name of the Faculty	Event Title	Place	Dates
1.	Prof. A. Ramachandraiah	Chaired the Session on 'Advances in Contemporary Sciences by SS Bhatngar Awardees', held during Golden Jubilee Celebrations of the AP Akademi of Sciences at IICT, Hyderabad	Hyderabad	13th, 14th and 15th November, 2014
2.	Prof. K. Laxma Reddy	Andhra Pradesh Akademi of Sciences, Golden Jubilee Conference,	IICT, Hyderabad,	12-15, November, 2014

4. INTERNATIONAL VISITS

S. No.	Name of the Faculty	Countries Visited	Organisations Visited	Dates
1.	G.V.P.Chandramouli	Portugal	Europian Federation of Medicinal Chemistry	7th to 11th September, 2014
2.	V. Rajeswar Rao	USA	Salve Regina University, RI.	June 15-20, 2014.

5. RESEARCH AND CONSULTANCY EXPERTISE

A. Research Areas Active in

* HETEROCYCLIC CHEMISTRY
  SEMI SYNTHETIC
  NATURAL PRODUCTS
  ORGANIC SYNTHESIS
  MEDICINAL CHEMISTRY
  Corrosion prevention and control
  Coordination Chemistry
  Electrochemistry
  Molecular Modeling
  Material Science (Photochromism, Thermochromism, Mechanochromism, etc.,)
  Chemical Education
- MEDICINAL CHEMISTRY
- HETEROCYCLIC CHEMISTRY
- Catalysis
- Physical Chemistry
- Coordination Chemistry and Environmental Chemistry

- Electrochemical Sensors
- Fuel Cell Electrocatalytic Materials
- Biosensors
- Molecular Imprinted Polymers
- Organic Chemistry and Bio-organic Chemistry
- Nano structured materials for photocatalytic applications
- Advanced Materials
- Heterogeneous catalysis
- Biological activity studies
- Organic Synthesis
- Medicinal Chemistry
- CARBOHYDRATE CHEMISTRY
- MEDICINAL CHEMISTRY
- Electro Chemistry
- Self assembled Nanofilm
- Environmental Chemistry

B. Consultancy Capabilities in

- MEDICINAL CHEMISTRY
- HETEROCYCLIC CHEMISTRY
- Corrosion prevention and control
- Testing of Materials
- Water Quality & Analysis
- Material Testing by Spectroscopy, Chromatography, etc
- Material diagnostics by Nuclear and Electron Magnetic Resonance
- Chemical Education and Pedagogy
- Analysis of Materials in Solid and liquid samples
- MEDICINAL CHEMISTRY
- Zeolites
- Nanomaterials
- Biomaterials
- Catalysis
- Teaching and Learning Methods
- Fuel Cell Materials
- Gas-diffusion Electrodes
- Immunosensors, SPR sensors
- Electrochemical- and Bio-sensors
- Drug delivery and Gene delivery

6. MEMBERSHIP in PROFESSIONAL and S&T BODIES (By Department Faculties)

Life Fellow of the Society for Advancement of Electrochemical Science and Technology

Member, International Society of Electrochemistry

Member, American Chemical society

Member of the Materials Research Society of India

Life member, Indian Society for Technical Education

Life member, Catalysis Society of India

Life- member, Indian Society for Training & Development

Life member, Indian Council of Chemists

Life-member, Association of Chemistry Teachers

Life Member in Environmental Health, NEERI, Nagpur

Life Member in ICTE, New Delhi

International Society of Electrochemistry (ISE)

Indian Society for Electroanalytical Chemistry (ISEAC)

Society for Advancement of Electrochemical Science and Technology (SAEST)

The Japan Association of Chemical Sensors

Annual Membership – American Chemical society (ACS), USA.

Annual Membership – Royal Society of Chemistry (RSC) UK.

Life Membership - Indian Association of Solid State Chemistry and Allied Scientists (ISCAS), Jammu, INDIA.

Materials Research Society of India (Life member)

Chemical Research Society of India (Life member)

International zeolite Association (Life member)

Indian Society for Technical Education (ISTE); Coastal Chemical Research Society (CCRS); Materials Research Society of India (MRSI); AP Akademi of Sciences (APAS); Telangana State Akademi of Sciences (TSAS); Administrative Staff College of India (ASCI); Jana Vignana Vedika (Telangana)

7. MEMBERSHIP in EDITORIAL BOARDS of RESEARCH JOURNALS

1 Prof. A. Ramachandraiah, Journal of Pharmacy and Chemistry

2. Dr. Vishnu shanker, Associate Editor of Journal of Nanoscience Letters

3. Dr. N. Venkatathri, The Open Catalysis Journal

4. Dr. N. Venkatathri, World Research Journal of Materials Science and Engineering

5. Dr. N. Venkatathri, International journal of Analytical, Pharmaceutical & Biomedical Sciences,

6. Dr. N. Venkatathri, Journal of Ultra Chemistry

7. Dr. N. Venkatathri, Current World Environment

8. Dr. N. Venkatathri, Journal of Advance Research in Applied Chemistry & Chemical Engineering

8. 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. A. Ramachandraiah	Dean, R&C	Chairman, SPC	1st July 2012	30th June, 2014
5	Prof. A. Ramachandraiah	Coordinator, HERITAGE	Facilitator	August 2012	Till date
6	Prof. A. Ramachandraiah	Coordinator, EUPHRATES	Facilitator	August 2013	Till date
7.	Dr. I.A.K.Reddy	Professor	Professor-in-charge, Continuing Education Programmes	17th October 2014	To date
8.	Dr. I.A.K.Reddy	Professor	Professor-in-charge, Centre for Educational Technology and Pedagogy	17th October 2014	To date
9.	Dr. I.A.K.Reddy	Professor	Co-Convenor, Core Group, 7th IEEE International Conference on Technology for Education Scheduled during 10th-12th Dec.2015	17th October 2014	To date
10	P.Nageswara Rao	Professor	HOD,Biotechnology		
11	Prof. K. Laxma Reddy	Professor	Chairman, Library Advisory Committee	10-10-2014	Till date
12	Prof. K. Laxma Reddy	Professor	Faculty Adviser, Technozion	2015	
13	Prof. V. Rajeswar Rao	Professor	Head of the Department	01.08.2014	Till date
14	Dr. K. V. Gobi	Associate Professor	Course Coordinator - I/IV B.Tech. Chemistry	June 2013	Present

9. ADMINISTRATIVE ROLES

A. DEPARTMENTAL

S. No.	Role	Faculty-in charge	Term
1	Instruments Laboratory	Prof. A. Ramachandraiah	Since 20 years
2	Computational Chemistry-in-Charge	Prof. A. Ramachandraiah	Since 10 years
3	LAB IN CHARGE	Prof. G.V.P.Chandramouli	01-07-2014 on wards
4	Member, Departmental Purchase Committee	Dr. I. A. K. Reddy	3 Years
5.	Incharge, Minor Instruments	Dr. I. A. K. Reddy	3 Years
6	To coordinate the academic curriculum (Exam, Paper setting, Evaluation Process and Grading) of I/IV B.Tech. Chemistry Laboratory Cycle	Dr. K.V. Gobi	June 2013 to Present
7.	To coordinate the departmental purchases of High grade gases, LPG and to maintain Electrochemical, Spectroscopic and Fluorometry equipments	Dr. K.V. Gobi	June 2013 to Present
8	coordinate the academic curricular (Exam, Paper setting, Evaluation Process and Grading) and Coordinator of mentors nominated by Head, Department of Chemistry	Dr. Vishnu shanker	three years
9.	to frame the time table for the smooth conduction of the classes	Dr. Vishnu shanker.	three years
10.	to maintain the website up-to-date	Dr. Vishnu shanker	three years
11	IInd year M.Sc. Chemistry, Faculty Advisor, Registration	Dr. N. Venkatathri	2012 – till date
12.	Initiator, Department Purchase committee	Dr. N. Venkatathri	2012 – till date
13	Chemistry Association	Dr. D. Kashinath	June 2012 onwards
14	Training and placement	Dr. D. Kashinath	June 2012 onwards

B. INSTITUTIONAL

S. No.	Role	Faculty-in charge	Term
1	Centre for Automation and Instrumentation	Prof. A. Ramachandraiah	From August, 2014
2	Dean Faculty welfare	G.V.P.Chandramouli	Upto 30-06-2014
3.	To coordinate the research progress of the Center of Excellence in 'Sustainable Energy Studies' (CoE-SES)	Dr. K.V. Gobi	August 2013 to Present
4.	To coordinate the research progress of the Center of Advanced Materials (CAM)	Dr. K.V. Gobi	June 2012 to Present
5.	To look after the Rajbhasha activities in the institute	Dr. Vishnu shanker	24-11-2008 to till the date.
6.	guide the students to organize activities (in 2015 got Best Emerging club award)	Dr. Vishnu shanker	2013-2015
7.	To look after the activities	Dr. Vishnu shanker	2015
8.	Publication of convocation booklet	Dr. Vishnu shanker	2014
9.	Member, Central Library Advisory committee, NITW	Dr. N. Venkatathri	2012 – till date
10.	Executive committee member, Teachers welfare association for Social Justice, NITW	Dr. N. Venkatathri	2014-15

10. ANY OTHER SIGNIFICANT INFORMATION

Prof. B.V. Appa Rao, As Co-Ordinator, National Consortium of NIT libraries, facilitated procurement of e-journals from different e-resources among all NITs
Prof. A. Ramachandraiah Served as member in various Committees constituted by the Director

HUMANITIES AND SOCIAL SCIENCES DEPARTMENT:

1. EXTENSION/EXPERT/INVITED LECTURES DELIVERED ELSEWHERE -

S.No	Name of the faculty	Lecture title	Place	Date
1.	Prof.D.S.Kesava Rao	Life Skills through Literature	Andhra University, Visakhapatnam, Dept. of Humanities	10.4.2015
2.	Dr. K. Madhavi	" Perspectives of Women in Multidisciplinary Arenas- An Overview'	JNTUH CEJ, Kondagattu, Karimnagar in a Two Day National Conference Organised by WAWE-Welfare Association for Women Employees	10-03-2015
3.	Dr. K. Madhavi	Developing Writing Skills'	on a one week Training Programme conducted for School Teachers in the District of Warangal, organized by the Collect orate	during October 2014

2. CONFERENCE/SUMPOSIA / SESSIONS CHAIRED

S.No	Name of the faculty	Event title	Place	Date
1.	Dr. K. Madhavi	**'POWMA' -** Perspectives of Women in Multidisciplinary Areas	Invited as a **Guest of Honour** and as a **'Chair** at JNTUH CEJ, Kondagattu, Karimnagar,	March 10th and 11th ,2015.

3. INTERNATIONAL VISITS

S.No	Name of the faculty	Countries visited	Organizations visited	Date
1	K. Madhavi	DUBAI	International Conference organised by the International Centre of Economics, Humanities and Management	*9th and 10th of January 2015.*

4. RESEARCH AND CONSULTANCY EXPERTISE

a. Research areas active in :

1. Intercultural Elements in ELT
2. Literary Sources in ELT
3. Bilingualism and bilingual education;
4. Ideology in language teaching;
5. Genre analysis.
6. Academic reading.

- Effective methods to improve reading and writing skills
- Interested in designing task based ESP courses based on learner needs.
- Reflective teaching and Continuous Professional Development
- Academic writing skills
- Multiple intelligences -Visual Literacies
- Learner strategies, methods and behaviourist approaches to language learning.

b. Consultancy capabilities in

- **Soft skills**

5. MEMBERSHIP IN PROFESSIONAL AND S AND T BODIES

Dr. K. Madhavi

- Member on **BOS Committee Vardhaman College of Engineering, Hyderabad.**
- **Member on BOS Committee B.V.Raju Institute of Technology, Vishnupur(V), Narsapur, Medak Dist.**
- Member on **BOS Committee JNTUH, Kukatpally, Hyderabad**
- Member on **BOS Committee GRIET, Bachupally.**
- Member on **BOS Committee for VNR VJIT, Bachupally.**

6. MEMBERSHIP IN EDITORIAL BOARDS OF RESRACH JOURNALS

Dr. K. Madhavi

- **Executive Editor,** The Forum for Musings, JNTU Journal of English studies
- Member **Editorial Board Sreenidhi's Journal of English Studies** SNIST

Dr. M.R. Vishwanathan

- Member on the editorial board of Horizon Publishing, USA

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

S.No	Name	Designation	Additional duty	Duration	
				From	To
1.	Prof.D.S.Kesava Rao	Professor	Chief Editor of Student Newsletter and Magazine	2014	Date 2015
	Vishwanathan M.R	Assistant Professor	Faculty advisor/ Literary and Debating Club	2014	2015

8. ADMINISTRATIVE ROLES

a. DEPARTMENTAL

S.No	Role	Faculty-in-charge	Term
1.	Prof.D.S.Kesava Rao	Head of the Deprtment	Since 24-02-2009
	Vishwanathan M.R	Library Purchase committee	

2.	Vishwanathan M.R	Member, Departmental Purchase committee	Indefinite
3.	DR. K. MADHAVI	ELCS Lab- in -charge	Since July 2014 till date
4.	DR. K. MADHAVI	Member, Departmental Purchase committee	Since December 2014 till date
5.	DR. K. MADHAVI	Course Coordinator- I.B-Tech	Since July 2014 till date

B. INSTITUTIONAL- Nil

S.No	Role	Faculty-in-charge	Term
1.	DR. K. MADHAVI	Priyadarshini Hall Warden	July 2014 till date
2.	DR. K. MADHAVI	Editor Institute News Letter	June 2014 till date

9. ANY OTHER SIGNIFICANT INFORMATION

Dr. Madhavi is presently working on the RSG project titled '**A Pragmatic Approach to Analyse Common English Language Errors in Classroom Communication of Engineering and Science Teachers – An Empirical Study**' since December 2014.

SCHOOL OF MANAGEMENT

1. EXTENTION / EXPERT / INVITED LECTURES DELIVERED ELSEWHERE

S. No.	Name of the Faculty	Lecture Title	Place	Dates
1	Dr.K.Padma	"Role of Women in Engineering/Technology"	Jayamukhi Institute of Technological Sciences,Narsampet	13th September, 2014
2	Dr.K.Padma	"Soft Skills for young Teachers"	S.R.& B.R.N.R Govt.Degree College,Khammam.	20th September, 2014
3	Dr. P. Ramlal	Advances in Leadership and Team building.	SR Engineering College, Warangal	22nd November 2014

2. RESEARCH AND CONSULTANCY EXPERTISE

A. Research Areas Active in

1. Human Resource Management, Training
2. Finance
3. Marketing
4. Tribal Studies

B. Consultancy Capabilities in

1. Corporate training, Compensation
2. Differently Abled studies

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

1. ***Life Member*** of National HRD Network, A national network of HRD professionals in India and Abroad.
2. Professional ***Life Member*** in All India Management Association (AIMA), India
3. Professional ***Life Member*** of Hyderabad Management Association.
4. Associate Member in International Stress Management Association.
5. Professional Member in SHRM, USA, An International Professional Body of Human Resource Management.
6. Member, Executive Body of NHRD Network Warangal chapter from 2006-till date.

4. **MEMBERSHIP in EDITORIAL BOARDS of RESEARCH JOURNALS**

1. Editorial Board Member for International Journal on Leadership associated with Publishing India.
2. International Journal of Business and Economic Development, Academy of Business and Retail management (ABRM), Boston, USA.
3. International Business Review, ELSEVIER, ISSN: 0969-5931.
4. International Journal of Human Resource Management, IASET, ISSN (print) 2319-4936, ISSN (online) 2319-4944.
5. Editorial Board Member for International Journal of Human Resource Management, associated with IASET, ISSN (print) 2319-4936, ISSN (online) 2319-4944.
6. Advisory Board, Journal of Accounting and Finance, Bio-info International Journal, ISSN: 2249-3964 (Print) & ISSN: 2249-3972 (Online).

5. **ADMINISTRATIVE ROLES**

C. DEPARTMENTAL

S. No.	Role	Faculty-in charge	Term
1	Dr.M.Ravinder Reddy	Awards,MOU's,Accreditations	
2	Mr.R.Mohan	Expert lectures, Alumini association, Syllabus revision, annual reports	
3	Dr.K.Padma	Syllabus revision,Annual reports, projects, Training for placements&Internships	
4	Dr.P.Ramlal	MBA Iyr Class Faculty Co-ordinator,Purchases of material,and web maintenance, maintenance of equipment,NHRD, Training for placements&Internships	
5	Dr.G.Sunitha	Central library&department library&Projects	
6	Dr.S.L.Tulasi Devi	Class&Exam time tables,CURA 2015 & other students activities Coordinator, Engineering Economics and Accountancy (Common Subject) One of the faculty in-charge for Training and Placement activities (MBA).	
7	Dr.K.Francis Sudhakar	Training for placements&Internships Abhayan club, MBA IIyr Class Faculty Co-ordinator	

B. INSTITUTIONAL

S. No.	Role	Faculty-in charge	Term
1	Dr.M.Ravinder Reddy	Associate Dean Accounts	2014 till date
2	Dr.K.Padma	Women's Cell, Innovation garage	2012 till date Jan' 2015 till date
3	Dr.P.Ramlal	Coordinator, Differently abled people Cell, NITW	Dec'2014 till date
4	Dr.K.Francis Sudhakar	PRO	2014 till date

6. ANY OTHER SIGNIFICANT INFORMATION

Conducted 1. Pre-CURA- Hackathan 3.0 on Jan 10th&11th 2015
2. Management Fest "CURA-15" from 7th & 8th February 2015

Organized several guest lectures from industry on various topics such as Business intelligence, entrepreneurship, digital marketing &motivational lectures.

Dr.P.Ramlal

1. Has helped students of School of Management in clearing their UGC–NET examination by mentoring.
2. Developing the manual of behavioral lab and in the process of developing the laboratory.

11.0 ACTIVITIES OF TECHNICAL ASSOCIATIONS

STUDENT HOBBY CLUBS DURING THE YEAR 2014-2015

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 2014 – 2015

PHOTOGRAPHY CLUB

The Photography club (PGC), which is one of the active clubs in NIT Warangal has conducted several events as part of their regular programme apart from covering the various events that have happened in the Institute.

As part of their regular event, the PGC in the year 2014-15 conducted events such as Pick your Click, Thematic December, Photo matrix, Photo rush, Epic edit, Unveil NITW and Fresher's event. The club conducted two workshops on "DSLR Photography" for the benefit of students who wanted to have a feel of photography. The club in association with ISTE conducted a workshop on "Photoshop and Editing" for the benefit of students who had the zeal to design posters and wall papers.

Apart from the above, the club was a major contributor in the success of Technozion and Spring spree by covering all the day's events. The club joined hands with other clubs such as dance club, painting club, etc and came up with beautiful pictures of the different events conducted by them.

The photography club was one of the major contributors in the success of the visionary programmes introduced by the honourable Prime Minister Shri Narendra Modi such as **"*Swachh Bharat* Abhiyan", "*National Unity Day*", "Thiruvalluvar Day"** etc. The photographic club organized an exhibition with the theme "Write for Unity" to celebrate the birth day celebration of Sri Sardar Vallabhai Patel. Themes that support "Unity" were called from the students and such themes were displayed in a placard by different teaching, non teaching and students of the institute and were photographed. The best photographs shot in the background of the Institute were displayed in an exhibition at the auditorium. The display attracted huge response from the students and staff. The club also covered the various events conducted in remembrance of Thiruvalluvar.

Almost all the events conducted by the club attracted huge response from the students and staff and served as a huge platform to showcase the extraordinary skill displayed bythem.
The photographs shot were regularly displayed in the face book page of the Institute Photography Club https://www.facebook.com/photographyclubnitw
Some of the sample pictures are given below.













LITERARY AND DEBATING CLUB

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

QUIZ CLUB

The Quiz Club was busy holding its contests and thrilling the members with a variety of quizzes on movies, sports, general studies, Cartoons and comics and as many as 8 Joga Bonito Rounds throughout the year. The special events at Intramurals and Spring spree brought the competitions alive and often led to dramatic finishes. India quiz and business quiz and Music quiz were some of the highlights. some NITW alumni, conducted many quizzes on the campus.

MUSIC CLUB

The Music Club began its activities for the year with its Inaugural on the opening day of TECHNOZION-14. The hour and a half programme held the audience spell-bound. The club experimented with the idea of acoustic shows in which there were only guitars and no drums. The club lent its magic the Golden Jubilee Celebrations of the institute by performing a cultural night which took the older alumni down the memory lane. The well-rehearsed show it put up in October at the end of the first semester went well with the young audience. The Valedictory was another hit with about twenty songs thrilling the audience.

PAINTING CLUB

The Painting club caters to the creative talents of students in this field. It spots the talent and nurtures it Powered by 30 budding artists and supervised by seasoned senior students the club organized following activities.

S.No	Date	Activity	No. of participants	venue
1.	25/09/14	Treasure hunt	128	NAB
2.	0ct17,18,19	Swach bharath	200+ (includes all events under swachbharat)	Infront of Auditorium, Nursery
3.	23/10/14	Green diwali	100+	Infront of Admin
4.	6/11/14	clean drive @vangapadu	Club members	Vangapadu

5.	11/11/14	minute to win it	152	Infront of Auditorim
6.	13/11/14	dustbin installation	initiative	24 places@ campus
7.	31/12/14	beg borrow steel	212	Infront of Auditorium
8.	1/1/15	cloth day	75%students in the campus	All hostels and staff quarters
9.	26/1/15	care a plant	150	Infront of LH
10.	23/2/15	Switch off	300	Auditorium to 1.8k
11.	28/2/15	snake show	300	Time square
12.	28/2/15	trash morphing	125	NAB
13.	31/3/15	Pot painting	90(Limited regestrations)	Infront of Auditorium
14.	6/3/15	Butterfly garden	attraction	Nursery

SCIENCE AND HOBBIES CLUB

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

DANCE AND DRAMA CLUB

One of the most popular and favorite clubs, the Dance and Drama Club, abbreviated as DnD, organized many competitive as well as entertaining events spread across the academic year. The club successfully coordinated the first "Audi Nite" during Springspree and prior to that gave an impressive display during the Technozion. Yet another highlight is the annual Inter-branch competition in drama called Zero Gravity, Hip Hop and Contemporary dance styles with a tie up with John Brittoe Dance Company. The DnD club lived up to the expectations of the student body.

FILM COMMITTEE

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

NATURE CLUB

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

S.No	Date	Activity	No. of participants	venue
1.	25/09/14	Treasure hunt	128	NAB
2.	0ct17,18,19	Swach bharath	200+ (includes all events under swachbharat)	Infront of Auditorium, Nursery
3.	23/10/14	Green diwali	100+	Infront of Admin

4.	6/11/14	clean drive @vangapadu	Club members	Vangapadu
5.	11/11/14	minute to win it	152	Infront of Auditorim
6.	13/11/14	dustbin installation	initiative	24 places@ campus
7.	31/12/14	beg borrow steel	212	Infront of Auditorium
8.	1/1/15	cloth day	75%students in the campus	All hostels and staff quarters
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10.	23/2/15	Switch off	300	Auditorium to 1.8k
11.	28/2/15	snake show	300	Time square
12.	28/2/15	trash morphing	125	NAB
13.	31/3/15	Pot painting	90(Limited Registrations)	Infront of Auditorium
14.	6/3/15	Butterfly garden	attraction	Nursery

INNOVATION ANS ENTREPREAUNERSHIP CLUB

The Innovation club launched its web site and screened a film on the basics of emergence of Silicon Valley the club organized an interactive sessions. Then there was a session on Company Registration and the Legalities involved. Further, there was an event on "Blogging to Bucks: How to make money from blogs and Facebook". Finally, the club started a website, a virtual stock market trading during Spring spree.

ELECTRONIC AMATEURS AND HAM CLUB

1. The club encourages all students and HAM buffs by organizing lectures and workshops and quizzes in the field. **EA & Ham club Freshers:**
   The freshers' event with the main motto of bringing awareness regarding club activities to the student community.
   A presentation on all the club activities conducted last year and also on the future events was given. A demo of some basic electronics circuit is given. Aptitude test on recent technologies and basic electronics was conducted.

2. **Hobby Circuiting-1:**
   In this workshop, we make the students build their own circuits to solve simple day-today problems (like burglar's alarm). This also gets them started with electronics and helps them enhance their practical skills.
   We started with a presentation on the electronic components like resistors, capacitors, Ics and their usage. We taught them how to use bread board and made them solve some boolean equations on breadboard using Gate Ics.

3. **Hobby Circuiting-2:**
   This is the sequel of Hobby Circuiting-1. This event is conducted for 2 days.
   On the first day, a demo on the following circuits is given.
   - Water level indicator
   - Touch sensitive switch
   - Theft preventer alarm
   - Automatic dark detector

4. **Learn to play with electronics:**
   The main motto of this event is to make the first and second years utilize their winter vacation productively. This event is conducted in association with ECEA.

A demonstration on how to build a circuit like burglar alarm is given. Names of the students who are interested in buying electronic starter kits were taken and provided them with the starter kits to work on during winter vacation.

5. Arduino Workshop:

Arduino is an open-source physical computing platform based on a simple microcontroller board, and a development environment for writing software for the board. Its very user friendly to start our projects with.

During the event a presentation on the components embedded on the board and few coding examples are explained. Arduino boards were distributed among the teams and participants are made to install the software and execute some simple problem statements.

6. Coderuino:

This is the sequel event of the arduino workshop. This event is conducted as two rounds. First round is a written test, which consists of questions based on arduino and coding.

Judging Criteria: Based on the number of questions answered correctly and their approach to the solution, 7 teams were shortlisted to the next round.

7. Online Quiz:

This is to encourage the students who always stay updated with recent technologies. The questions were mostly based on basic electronics and recent technologies.

VALUE EDUCATION CLUB

The Centre began on a positive note by giving teachers hand-made greeting cards on the Teachers' Day, the cards were prepared by the members of the club. A Freshers Day event took the club in to the vast first year student body who need to be educated on many things. To improve the use of vernacular languages, the Centre encouraged students to write letters in their mother tongue. The Incredible India quiz enthused the first year students. Another main event was Freshers, Clean Room EVENT, Vision, Cultrivia, Perception.

TECHNOZION

This technical competition being conducted by NIT Warangal has become its flagship event, growing in scale and popularity. The contest has come to be looked up to by students eager to participate from other institutions. The online registrations have doubled again and those contests started a week before the main event. The Inaugural was purposeful and brief as participants kept joining the festival late into the day. The Guest lecturers Prof. V.G. Sekran, and Dr. Rajendra Shende, encouraged the students to bring out their best through exposure to events like this and develop their leadership skills and overall personality .Students must be innovative and imaginative and learn to use technologies to the benefit of the society Technozion attracts participants from all over the globe with a majority of them being from south India specifically in and around the regions of Andhra Pradesh and Telangana. Students from SAARC (South Asian Association for Regional Cooperation) nations such as Afghanistan, Bangladesh, Sri Lanka, Nepal, African nations, other countries from Middle East (USA, Hungary etc.) exuberantly participate in the technical symposium. These are the International students studying in NIT Warangal. They acquire credible, innovative solutions to numerous social, technical and developmental problems for implementation in their respective countries on repatriation.

NIT Warangal caters the requirements of best minds from across India. It is ranked among the top ten Technical Institutes in India. Students pour in from every nook and corner of the country

to attend the festival. Technozion has witnessed students from the world renowned sixteen Indian Institute of Technology (IITs), five Indian Institutes of information Technology (IIITs), thirty other National Institute of Technology (NITs), Anna university Chennai, Jawaharlal Nehru Technical University Hyderabad (JNTUH), Andhra University Vishakhapatnam, Jawaharlal Nehru Technical University Kakinada (JNTUK), University of Hyderabad and many other private and public engineering colleges throughout India.

we have recorded a footfall of 9500 students with registrations account to 6500 students from various colleges and 3000 students from NIT Warangal.1399 Students have furnished their technical skills through 9 workshops of different genres.

The key audience of Technozion is the youth with any innovative idea for the betterment of mankind. A major part of this youth audience comprises of Undergraduate and Graduate students from all fields of engineering-Computer Science and Engineering, Biotechnology, Metallurgical engineering, Chemical Engineering, Mechanical engineering, Electronics and Communication engineering, Information Technology and engineering. They unite here from diverse cultural and educational backgrounds to prove their mettle in challenging events, learn through intriguing workshops, listen to prominent luminaries and witness enthralling exhibits.

Technozion conducts events like National Programming League, National Robotics championship every year at various centers across the country before the festival in which more than 11,000 students participate The Publicity team of Technozion made sure the festival reached out to an increased audience this year catering to a wider demographic range increasing the attendance.

IEEE STUDENT BRANCH ACTIVITIES:

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

SPRINGSPREE

This cultural festival, for long a matter of pride since the days of the then REC, is a fine blend of numerous talents including music, art, dance and literature. It has been painstakingly put together by the active student clubs of the institute, viz., the Dance and Dramatics Club, the Literary and Debating Club, the Music Club, the Painting Club and the Quiz Club. The cultural festival started on the evening of Feb 27th with the inaugural function. The Inaugural was a glittering function with film stars, who claimed that these festivals develop the overall personality of participants and help them cope with new people and new situations.. The Dean Students Affairs Prof. S. Srinivasa Rao outlined the evolution of the Springspree and admired the efforts of Student Coordinator Mr. Saichand and his team members. The Staff Advisor Dr. D. Dinakar appreciated the flair of the students in these fields. Prof. T. Srinivasa Rao, the Director said that tenacity and lateral thinking were the secrets of success. Hobbies would provide the essential life work balance A Cultural evening, a sterling performance, by the talented students of NIT Warangal followed. New events included this year are, NIT Model United Nations (NITMUN), Allure (Fashion Competition), Tear-It Up (Hip Hop Challenge) and IRA (National all college Rock Competition). Various other events organised are: Classical music and dance competitions, Hindi and Telugu Antakshari, Sudoku, TV shows theme quiz as well as a Literary, Entertainment Quiz, Veggie sculpt, Scrabble, Fashion competition, Rock Band competition, Kite-flying, Junkyard Fashion, Tollywood quiz, English jam, sports quiz and General quiz, Graffiti, Light Group, Western solo and Western Group Singing Competitions, Sand sculpting, Movie spoof contest, Stick-Mata, Group dance competition, Theme based photography. Workshops organised as part of Springspree are: The Salsa (Mexican style)

स्पिकमैके की क्रियाएँ की झलक
Glimpses of SPICMACAY







हिंदी राजभाषा दिवस
Hindi Rajbhasa Divas





workshop, Animation workshop, and DJ workshop. The pro nites were largely devoted to western music shows thoroughly enjoyed by the happy crowds. The overall championship was won by NIT Warangal.

ISTE STUDENTS CHAPTER:

1. The ISTE club's first event which is the fresher's event was conducted on 14th of October. 70-80 students turned up for the event and made the event a grand success. A general aptitude test was conducted and 10 candidates were shortlisted for the second round. In the second round, these students were given a topic and they had to speak about it for a minute. Based upon how well they spoke, the winners were decided and were given the prizes.



2. The second event was the GROUP DISCUSSION event and it was conducted on 8th of January. As the placement season is fast approaching, this event was held to enlighten students about GD's. This event was open to all the years. Around 60 students participated in this event. These students were divided into 6 groups with 10 students in each group and were given a topic. There were final year students to judge them, one student from each group was given a prize.



3. The third event was a new event all together with an aim to test the innovative and imaginary skills of the students. This event named SCI-FI DEPICTION was conducted on 19th of March. Students were basically asked to pen down their own science fiction story and how the future would turn out if their story were true. There was an encouraging response from the students, they came out in good numbers. After going through all the stories, five winners emerged.



4. A Design Workshop was conducted in collaboration with the photography club. Design amateurs and shutterbugs were given a basic knowledge about photoshop and poster design. This workshop was conducted on the 3rd of April. This Workshop was aimed at enhancing the creativity skills of the students. Around 60 students turned up for this particular workshop.

SPIC – MACAY Heritage Club

The SPIC – MACAY Heritage Club which is one of the active clubs in NIT Warangal have conducted several events as part of their regular programme apart from covering the various events that have happened in the Institute. As part of their regular event, the PGC in the year 2014-15 conducted events such as Freshers Event, Spring Spree, Technozion, Classical & Cultural Programmes inviting Eminent Artistes

LAN RADIO Club

The LAN RADIO Club which is one of the active clubs in NIT Warangal have conducted several events as part of their regular programme apart from covering the various events that have happened in the Institute. Freshers Event, Spring Spree, Technozion, Man Ka Radio
Daily shows conducted by the club MONDAY TO FRIDAY.
Pop culture event conducted by the club in, English language and also in Telugu, language on 26 march.
Worked for the Technozion 14 by collecting, various interviews by core members and also from the students who came from outside college, and also worked in Spring Spree 15

Honey Bee NITW Students Chapter

The Honey Bee NITW Students Chapter which is one of the active clubs in NIT Warangal have conducted several events as part of their regular programme apart from covering the various events that have happened in the Institute Freshers, Event, Spring Spree, Technozion

YOUTH RED CROSS Club

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

FORUM FOR INTERNATIONAL STUDENT AFFAIRS

Freshers Event, Spring Spree, Technozion, Cooking Competition – MASTER CHEF, PORTRAIT ETHOS, HALLOWEEN BASH, Sports and Games Competition

STUDENT COUNCIL

Freshers Event, Inaugural Events, Independence Day & Republic Day Celebrations, Spring Spree, Technozion, College Premiere League (CPL) Cricket Matches

12.0 FINANCIAL STATUS

12.1 Analysis of Plan and Non-Plan Grants

12.2 Sources of Funds

12.3 Expenditure Position for last Three Years

(Amount in Rupees)

RECEIPTS	2012-2013	2013-2014	2014-2015
I. Opening Balances :			
a) Cash in hand			
---Main Cash Book	153480	588918	1225156
---Petty Cash Book	192721	230	28330
---Imprest with Departments	232889	262889	292889
---Fee Account (Cash)	0	0	0
b) Bank Balances			
---In Current Accounts	28938603	225777494	90856377
---In Deposit Account	0	0	0
---Savings Account (others)	4817034	4434856	23831865
---Fee Bank A/c (Current)	0	2421046	16080769
II. Grants Received			
a) From Govt. of India			
---Towards General fund	419823291	264000000	265000000
---Towards Revenu Exp	481300000	501000000	650000000
---L/Yr Receivable	0	100000000	0
b) From State Government	0	0	0
c) From Other Sources - GPF	37921669	36322994	50685211
III. Academic Receipts (As per Annexure)	0	129262976	249959602
IV. Receipts against Earmarked/Endowment Fund			
---Earmarked Fund	353968151	286802330	328277180
---Endowment Fund	0	0	1550000
V. Receipts against Sponsored Projects/Schemes	0	62775172	56501961
VI. Receipts against sponsored Fellowships and			
Scholarships	0	0	0
VII. Income on Investments from			
---Earmarked/Endowment Funds	261642	307830	443469
---Other Investments			
VIII. Interest received on			
---Bank Deposits	0	30086943	19585860
---Loan and Advances	0	0	0
---Savings Bank Account	0	448086	947235
IX. Investment encashed	0	0	0
X. Term Deposits with Scheduled Bank encashed	1764653466	672025303	953488412
XI. Other Income (including PPI)			
---Income from L & B	0	33400533	45552493
---Other Income	0	4013813	26283294
XII. Deposits & Advances			
---Other Deposits	0	43981575	22799677
---Advances Accounts	30415784	38016673	34979582
XIII. Miscellaneous Receipts including Statutory			
Receipts	331092309	0	0
---Statury Liabilities		88760941	106809562

XIV. Any Other Receipts			
---Purchase Accounts	22268296	20861344	107328660
---Fee Receivable 2012.13	0	27335000	0
---Outstanding Liabilities	12204233	7893762	27003635
---NIT Delhi Receivable	660945	1742255	0
	3488904513	**2582522963**	**3079511219**

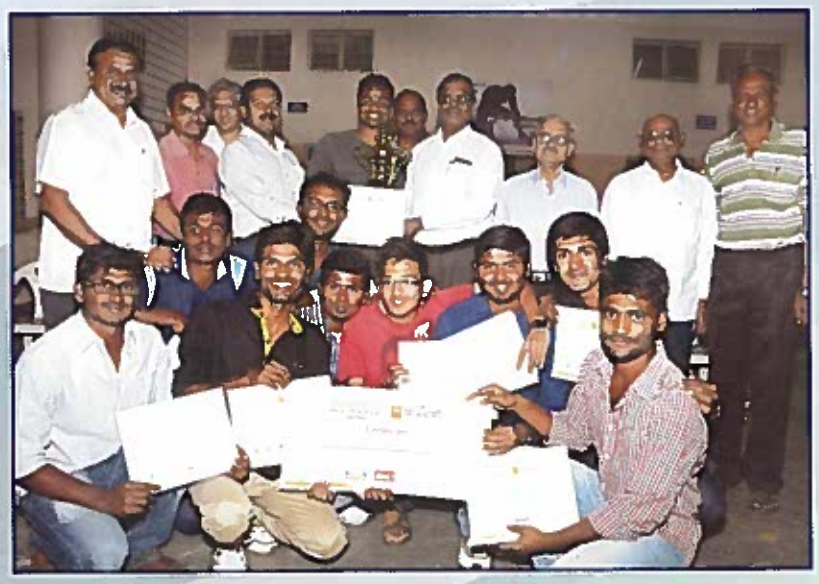
PAYMENTS	2012-2013	2013-2014	2014-2015
I. Expenses			
a) Establishment Expenses	500257673	548032528	643451426
b) Academic Expenses	112793413	139860139	175768415
c) Administrative Expenses	107487289	136059183	129753851
d) Transportation Expenses	1026306	1268666	1381639
e) Repairs & Maintenance	34854617	90580309	147250421
f) Prior Period Expenses		0	0
II. Payments made against Earmarked/ Endowment Fund			
---Earmarked Fund	188478684	181212538	230832734
---Endowment Fund	0	0	326265
---PF Subscription	66590759	30397334	46061109
III. Payments against Sponsored Projects/ Schemes		17064635	45834934
IV.Payments against Sponsored Fellowships/ Scholarships		0	0
V. Investments and Deposits made			
a) Out of Earmarked / Endowments Funds	0	1545000	1550000
b) Out of Own funds		0	0
VI. Term Deposits with Scheduled Banks	1802097848	582663112	862812590
VII. Expenditure on Fixed Assets and Capital Works - in - Progress	90448047	121754324	165512732
a) Fixed Assets			
b) Capital Work-in-Progress			
VIII. Other Payments including Statutory Payment			
---Statutory Liabilities	75743499	86602918	107935220
IX. Refunds and Grants		0	0
X. Deposits and Advances			
---Other Deposits	12309420	34424745	24868867
---Advances Accounts	208163912	409720272	204097625
XI. Other Payments			
---Outstanding Liabilities	28153813	12204233	7893762
---Purchases Accounts	19678800	55159812	72583783
---Electricity Deposit	0	1657829	0
---NP Grant Receivable	0	0	100000000
---Fee Receivable 2012-13	27335000	0	0
XII. Closing Balances			

a) Cash in hand			
---Main Cash Book	588918	1225156	804422
---Petty Cash Book	230	28330	2927
---Imprest with Departments	262889	292889	317889
---Fee Account (Cash)	0	0	0
b) Bank Balances			
---In Current Accounts	205777494	76672534	71472644
---In Deposit Accounts	0	0	0
---Savings Account (Others)	4434856	38015708	35252071
---Fees Bank Account (Current A/c)	2421046	16080769	3745893
	3488904513	**2582522963**	**3079511219**

इंटर एनआईटी फुटबॉल टूनाईमेंट - 2014
Inter NIT Football Tournament - 2014













PART - II

ANNUAL ACCOUNTS AND AUDIT REPORT

2014 - 2015



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. During the year the annual accounts are prepares as per the revised format prescribed by the MHRD, GOI vide Notification No. 29-4/2012-IFD dt.17.04.2015

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 as 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 1,80,030 volumes, which includes Books, Back volumes, Technical pamphlets, Standards, CD ROMs, Video Cassettes etc.

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 other orders issued by the Government of India from time to time.

08. **Land**:
    a) Land purchased by the Andhra Pradesh State Government and handed over to National Institute of Technology, Warangal: 248.0 Acres.
    b) A.P. Tourism Development has handed over the Land and Building to the Institute on 30-06-2007. The value of the Building not exhibited in the Main Accounts and it is yet to be valued.
    c) Land leased to APSEB for erection of 33/11 KV Sub-Station (4000 Sqm.) 0.988 Acres.
    d) Land leased to Tele-Communication Department for construction of Telephone Exchange for 30 years from 10-06-1982 (1446 Sqmts): 0.357 Acres.
    e) Land leased to Software Technology Park of India 1.981 Acres.
    f) Land measuring 1255 Sq.mtrs (0.310 Acres) leased to State Bank of Hyderabad, Warangal NIT Branch.
    g) Land measuring 1750 Sq.mtrs leased to Warangal Muncipal Corporation
    h) Land measuring 93 Sq.mtrs leased to Post Office
    i) Land measuring 510.26 Sq.mtrs leased to District Education Office, Warangal

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, TEQIP-II CoE 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. Some of the funds incurred expenses resulting in negative balances which were shown under Schedule – 8 under Asset side as receivables.

15. 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 2015-16.

16. 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.

17. During the year, the accounts of **"TEQIP-II CoE – Sustainable Energy Studies"** for the year 2013-14 and 2014-15 are included in the consolidated annual accounts in both the years.

18. The Miscellaneous Income of Rs.23,300/- and License fee of Rs.14,000/- received during 2013-14 are recognized as income during financial year 2014-15.

19. The Investements made under NPS scheme with NSDL is not shown separately due to non receiving of insvestemnt details from the NSDL. The same will be shown separately in next financial year.

NATIONAL INSTITUTEOF TECHNOLOGY, WARANGAL			
CONSOLIDATED BALANCE SHEET AS AT 31-03-2015			
			(Amount in Rupees)
SOURCES OF FUNDS	SCHEDULE	Current Year	Previous Year
Corpus / Capital Fund	1	4581403073	4372998698
Designated / Earmarked / Endowment Funds	2	614762822	524766878
Current Liabilities & Provisions	3	182434766	139526858
TOTAL	0	5378600661	5037292434
APPLICATION OF FUNDS			
Fixed Assets	4		
-- Tangible Assets		2449223489	2269083992
-- Intangible Assets		15341347	0
-- Capital Work in progress		1199996302	1199996302
Investments	5		
-- Long Term		0	0
-- Short Term		369138683	289812055
Investments - Others	6	0	0
Current Assets	7	537314289	647228487
Loans, Advanes & Deposits	8	807586551	631171598
TOTAL		5378600661	5037292434
Significant Accounting Policies	23		
Contingent Liabilities and Notes to Accounts	24		

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL							
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2015							
SCHEDULE 1- CORPUS FUND / CAPITAL FUND	COLLEGE	TEQIP-1	TEQIP-2	TEQIP-2COE	RESEARCH	PF	TOTAL
Balance as at the beginning of the year	3942634530	172452051	65498296	20301481	0	172112340	4372998698
Add: Contributions towards Corpus / Capital Fund	250000000	0	15000000	0	0	65085117	330085117
Add: Grants from UGC, GOI and State Government to the							
extent utilized for capital expenditure	0	0	0	0	0	0	0
Add: Assets purchased out of Earmarked Funds	29968112	0	0	0	0	0	29968112
Add: Assets purchased out of Sponsored Projects where							
ownership vests in the institution	0	0	0	0	0	0	0
Add: Assets Donated / Gifts Received	0	0	0	0	0	0	0
Add: Other Addition	0	0	0	0	0	0	0
Add: Excess of Income over expenditure transferred from							
income & Expenditure Account	0	0	0	0	5763870	549997	6313867
	4222602642	172452051	80498296	20301481	5763870	237747454	4739365794
Ded: Deficit of Incover over Expenditure transerred from							
income & Expenditure Account & PF Withdrawl	92332389	0	17543204	2025894	0	46061234	157962721
Balance at the year end	4130270253	172452051	62955092	18275587	5763870	191686220	4581403073
SCHEDULE 3 - CURRENT LIABILITIES & PROVISIONS	COLLEGE	TEQIP-1	TEQIP-2	TEQIP-2COE	RESEARCH	PF	TOTAL
A. CURRENT LIABILITIES							
1. Deposits from staff							
--- Security Deposit for Staff Quarters	51840	0	0	0	0	0	51840
2. Deposits from students							
--- Lab and Library Deposit	28622950	0	0	0	0	0	28622950
--- Hostel Caution Money Deposit	446664	0	0	0	0	0	446664
--- NIT Co-operative Stores Deposit	1593084	0	0	0	0	0	1593084
3. Sundry Creditors							
a) For Goods & Services	0	0	0	0	0	0	0
b) Others	0	0	0	0	0	0	0
4. Deposits - others (including EMD, Security deposit)							
--- EMD / Security Deposit	39201961	770	601610	165000	26301	0	39995642
--- Other Deposit	2526966	0	0	0	0	0	2526966
--- Deposit for Rent and other service charges	2000	0	0	0	0	0	2000
--- ICC R&D Account	11000	0	0	0	0	0	11000

5. Statutory Liabilities(GPF,TDS, WC TAX,CPF,GIS, NPS):							
a) Overdue	0	0	0	0	0	0	0
b) Others							
--- Sales Tax	6175	0	0	0	0	0	6175
--- Profession Tax	164513	0	0	0	139294	0	303807
--- Income Tax	2169	0	0	0	37550	0	39719
--- LIC (SSS)	0	0	0	0	0	0	0
--- GLIS	279113	0	0	0	0	0	279113
--- Staff Contribution for NPS Scheme	0	0	0	0	0	0	0
--- Labour Commissioner (CESS)	0	0	0	0	0	0	0
--- Provident Fund Subscription	8000	0	0	0	0	0	8000
--- EPF	366653	0	0	0	0	0	366653
--- Seignorage Charges	35991	0	0	0	0	0	35991
--- Service / Commercial Tax	374579	0	0	0	0	0	374579
7. Other Current Liabilities:							
a) Salaries	0	0	0	0	0	0	0
b) Receipts against sponsored projects	0	0	0	0	57229152	0	57229152
c) Recpt against sponsored fellowships & scholarships	8465482	0	0	0	0	0	8465482
d) Unutilised Grants	15072314	0	0	0	0	0	15072314
e) Grants in advance	0	0	0	0	0	0	0
f) Other funds	0	0	0	0	0	0	0
g) Other liabilities	0	0	0	0	0	0	0
--- Outstanding Liabilities	27003635	0	0	0	0	0	27003635
TOTAL (A)	**124235089**	**770**	**601610**	**165000**	**57432297**	**0**	**182434766**
B. PROVISIONS							
1. For Taxation	0	0	0	0	0	0	0
2. Gratuity	0	0	0	0	0	0	0
3. Superannuation/ Pension	0	0	0	0	0	0	0
4. Accumulated Leave Encashment	0	0	0	0	0	0	0
5. Trade Warranties/ Claims	0	0	0	0	0	0	0
6. Others (Specify)	0	0	0	0	0	0	0
TOTAL (B)	0	0	0	0	0	0	0
TOTAL (A+B)	**124235089**	**770**	**601610**	**165000**	**57432297**	**0**	**182434766**

SCHEDULE 3 (c)- UNUTILISED GRANTS FROM UGC, GOVERNMENT OF INDIA AND STATE GOVERNMENTS							
INVESTMENTS FROM EARMARKED/ENDOWMENT FUNDS	COLLEGE	TEQIP-1	TEQIP-2	TEQIP-2COE	RESEARCH	PF	TOTAL
A. Plan Grants: Government of India							
Balance B/f	4851955	0	0	0	0	0	4851955
Add: Receipts during the year	0	0	0	0	0	0	0
Total(a)	4851955	0	0	0	0	0	4851955
Less: Refunds	0	0	0	0	0	0	0
Less: Utilized for Revenue Expenses	0	0	0	0	0	0	0
Less: Utilized for Capital Expenses	0	0	0	0	0	0	0
total(b)	0	0	0	0	0	0	0
Unutilized carried forward (a-b)	4851955	0	0	0	0	0	4851955
B. UGC Grants: Plan							
Balance B/f	0	0	0	0	0	0	0
Receipts during the year	0	0	0	0	0	0	0
Total(a)	0	0	0	0	0	0	0
Less: Refunds	0	0	0	0	0	0	0
Less: Utilized for Revenue Expenses	0	0	0	0	0	0	0
Less: Utilized for Capital Expenses	0	0	0	0	0	0	0
total(b)	0	0	0	0	0	0	0
Unutilized carried forward (a-b)	0	0	0	0	0	0	0
C. UGC Grants Non Plan							
Balance B/f	0	0	0	0	0	0	0
Receipts during the year	0	0	0	0	0	0	0
Total(a)	0	0	0	0	0	0	0
Less: Refunds	0	0	0	0	0	0	0
Less: Utilized for Revenue Expenses	0	0	0	0	0	0	0
Less: Utilized for Capital Expenses	0	0	0	0	0	0	0
total(b)	0	0	0	0	0	0	0
Unutilized carried forward (a-b)	0	0	0	0	0	0	0
D. Grants from State Govt.							
Balance B/f	10220359	0	0	0	0	0	10220359
Receipts during the year	0	0	0	0	0	0	0
Total(a)	10220359	0	0	0	0	0	10220359
Less: Refunds	0	0	0	0	0	0	0
Less: Utilized for Revenue Expenses	0	0	0	0	0	0	0
Less: Utilized for Capital Expenses	0	0	0	0	0	0	0
total(b)	0	0	0	0	0	0	0
Unutilized carried forward (a-b)	10220359	0	0	0	0	0	10220359
Grand Total (A+B+C+D)	15072314	0	0	0	0	0	15072314

SCHEDULE - 4 - FIXED ASSETS	COLLEGE	TEQIP-1	TEQIP-2	TEQIP-2COE	RESEARCH	PF	TOTAL
Land	1	0	0	0	0	0	1
Site Development	0	0	0	0	0	0	0
Buildings	1451191973	14702290	0	0	0	0	1465894263
Roads & Bridges	14355231	0	0	0	0	0	14355231
Tubewells & Water Supply	0	0	0	0	0	0	0
Sewarage & Drainage	0	0	0	0	0	0	0
Electrical Installation and Equipment	340000	0	0	0	0	0	340000
Plant & Machinery	0	104287799	45813678	7629680	0	0	157731157
Scientific & Laboratory Equipment	586655964	0	0	0	0	0	586655964
Office Equipment	0	8424982	0	0	0	0	8424982
Audit Visual Equipment	0	0	0	0	0	0	0
Computers & Peripherals	30007320	11740161	0	0	0	0	41747481
Furniture, Fixtures & Fittings	84441960	5305346	1200821	0	0	0	90948127
Vehicles	2678648	0	0	0	0	0	2678648
Lib Books & Scientific Journals	43737832	27992243	5579010	0	0	0	77309085
Small Value of assets	3138550	0	0	0	0	0	3138550
Tota (A)	2216547479	172452821	52593509	7629680	0	0	2449223489
Capital Work in progress (B)	1199996302	0	0	0	0	0	1199996302
Intangible Assets	COLLEGE	TEQIP-1	TEQIP-2	TEQIP-2COE	RESEARCH	PF	TOTAL
Computer Software	0	0	0	0	0	0	0
E-Journals	15341347	0	0	0	0	0	15341347
Patents	0	0	0	0	0	0	0
Total (C)	15341347	0	0	0	0	0	15341347
Grand Total(A+B+C)	3431885128	172452821	52593509	7629680	0	0	3664561138
PREVIOUS YEAR							
SCHEDULE 5 - INVESTMENTS FROM EARMARKED / ENDOWMENT FUNDS	COLLEGE	TEQIP-1	TEQIP-2	TEQIP-2COE	RESEARCH	PF	TOTAL
1. In Central Government Securities	0	0	0	0	0	0	0
2. In State Government Securities	0	0	0	0	0	0	0
3. Other Approved Securities	0	0	0	0	0	0	0
4. Shares	0	0	0	0	0	0	0
5. Debentures and Bonds	0	0	0	0	0	0	0
6. Term Deposits with Banks	369138683	0	0	0	0	0	369138683
7. Others (to be specified)	0	0	0	0	0	0	0
TOTAL	369138683	0	0	0	0	0	369138683

SCHEDULE 6 - INVESTMENTS - OTHERS	COLLEGE	TEQIP-1	TEQIP-2	TEQIP-2COE	RESEARCH	PF	TOTAL
1. In Central Government Securities	0	0	0	0	0	0	0
2. In State Government Securities	0	0	0	0	0	0	0
3. Other Approved Securities	0	0	0	0	0	0	0
4. Shares	0	0	0	0	0	0	0
5 Debentures and Bonds	0	0	0	0	0	0	0
6. Others (to be specified)	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0
SCHEDULE 7 - CURRENT ASSETS	COLLEGE	TEQIP-1	TEQIP-2	TEQIP-2COE	RESEARCH	PF	TOTAL
1. Stock:							
a) Stores and Spares							
--- Stores and Spares	15472	0	0	0	0	0	15472
--- Loose Tools	0	0	0	0	0	0	0
--- Publications	0	0	0	0	0	0	0
--- Laboratory chemicals, consumables and glassware	0	0	0	0	0	0	0
--- Building Material	85660	0	0	0	0	0	85660
--- Electrical Material	0	0	0	0	0	0	0
--- Stationery	0	0	0	0	0	0	0
--- Water supply material	0	0	0	0	0	0	0
2. Sundry Debtors:							
a) Debts outstanding for a period exceeding six months	0	0	0	0	0	0	0
b) Others							
--- LC Suspense	-919989	0	0	0	0	0	-919989
--- FDD's	1712783	0	0	0	0	0	1712783
--- Fee Receivable	0	0	0	0	0	0	0
--- Plan Grant and Non Plan Grant Receivable	100000000	0	0	0	0	0	100000000
3. Cash and Bank Balances							
a) Cash Balance in hand(incl cheques / drafts and imprest)							
- Main Cash Balance	804422	0	0	0	0	0	804422
- Petty Cash Balance	2927	0	0	0	0	0	2927
- Imprest with department	317889	0	0	0	0	0	317889
b) With Scheduled Banks:							
- In Current Accounts	53444437	0	10963193	10810907	5728885	0	80947422
- In Term Deposit Accounts - STDR	109746746	0	0	0	51878159	163199612	324824517
- In Savings Accounts	1036578	0	0	0	0	28486608	29523186
c) With Non-Scheduled banks:							
- In Current Accounts	0	0	0	0	0	0	0
- In Term Deposit Accounts	0	0	0	0	0	0	0
- In Savings Accounts	0	0	0	0	0	0	0

4. Post Office- Savings Accounts	0	0	0	0	0	0	0
TOTAL	266246925	0	10963193	10810907	57607044	191686220	537314289
SCHEDULE 8 - LOANS, ADVANCES & DEPOSITS	COLLEGE	TEQIP-1	TEQIP-2	TEQIP-2COE	RESEARCH	PF	TOTAL
1 Advances to employees (Non-interest bearing):							
a) Salary	0	0	0	0	0	0	0
b) Festival	271800	0	0	0	0	0	271800
c) LTC	640963	0	0	0	0	0	640963
d) Others (to be specified)	0	0	0	0	0	0	0
2. Long Term Advances to employees (Interest bearing)							
a) Vehicle loan	0	0	0	0	0	0	0
b) Home Loan	0	0	0	0	0	0	0
c) Others (to be specified)	0	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	0
b) To Suppliers	0	0	0	0	0	0	0
c) Others	0	0	0	0	4702236	0	4702236
4. Prepaid Expenses							
a) Insurance	0	0	0	0	0	0	0
b) Other Expenses	0	0	0	0	0	0	0
5. Deposits							
a) Telephone	27200	0	0	0	0	0	27200
b) Lease Rent	0	0	0	0	0	0	0
c) Electricity	8003811	0	0	0	0	0	8003811
d) AICTE, if applicable	0	0	0	0	0	0	0
e) Others(to be specified)							
--- Deposit with Other Department (As per Annexure)	2715342	0	0	0	0	0	2715342
--- Other Dept / Contractors including CPWD	790223095	0	0	0	0	0	790223095
6. Income Accrued:							
a) On Investments from Earmarked/ Endowment Funds	0	0	0	0	0	0	0
b) On Investments- Others	0	0	0	0	0	0	0
c) On Loans and Advances	0	0	0	0	0	0	0
d) Others (includes income due unrealized)	0	0	0	0	0	0	0
7. Other Current Assets receivable from UGC / sponsored projects							
a) Debit balances in Sponsored Projects	115217	0	0	0	886887	0	1002104

b) Debit balances in Sponsored Fellowship & Scholarship	0	0	0	0	0	0	0
c) Grants Recoverable	0	0	0	0	0	0	0
d) Other receivables from UGC	0	0	0	0	0	0	0
8. Claims Receivable	0	0	0	0	0	0	0
TOTAL	801997428	0	0	0	5589123	0	807586551

NATIONAL INSTITUTEOF TECHNOLOGY, WARANGAL			
CONSOLIDATED INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH 2015			
SOURCES OF FUNDS	SCHEDULE	Current Year	Previous Year
Academic Receipts	9	249959602	129262976
Garnts / Subsidies	10	650000000	501000000
Income from Investments	11	34535763	42511889
Interest Earned	12	0	0
Other Income	13	71922548	37414346
Prior Period Income	14	0	0
TOTAL (A)		1006417913	710189211
EXPENDITURE			
Staff Payments & Benefits (Establishment Expenses)	15	643451426	548032528
Academic Expenses	16	175768415	139860139
Administrative and General Exp	17	144109728	149683863
Transportation expenses	18	1381639	1268666
Reparis & Maintenance	19	147250421	90580309
Finance Cost	20	0	0
Depreciation	4	0	0
Other Expenses	21	43904	0
Prior Period Expenses	22	0	0
TOTAL (B)		1112005533	929425505
Balance being excess of Income over Expenditure (A-B)		-105587620	-219236294
Transfer to / from Designated Fund		0	0
Building Fund		0	0
Others if Any		0	0
Balance being surplus (Deficit) carried to General Fund		-105587620	-219236294
Notes on Accounts	22		

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL							
SCHEDULES FORMING PART OF CONSOLIDATED INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR 2014-15							
SCHEDULE 9- ACADEMIC RECEIPTS							
FEE FROM STUDENTS	COLLEGE	TEQIP-1	TEQIP-2	TEQIP-2COE	RESEARCH	PF	TOTAL
A. Academic							
1.Tution fee	247423102	0	0	0	0	0	247423102
2. Admission fee	2121500	0	0	0	0	0	2121500
3. Enrolment fee	0	0	0	0	0	0	0
4. Library Admission fee	0	0	0	0	0	0	0
5. Laboratory fee	0	0	0	0	0	0	0
6. Art & Craft fee	0	0	0	0	0	0	0
7. Registration fee	0	0	0	0	0	0	0
8. Syllabus fee	0	0	0	0	0	0	0
TOTAL (A)	249544602	0	0	0	0	0	249544602
B. Examinations							
1. Admission Test fee	0	0	0	0	0	0	0
2. Annual Examination fee	0	0	0	0	0	0	0
3. Marksheet, Certificate fee	0	0	0	0	0	0	0
4. Entrance Examination Fee	0	0	0	0	0	0	0
TOTAL (B)	0	0	0	0	0	0	0
C. Other fees							
1. Identity Card fee	169400	0	0	0	0	0	169400
2. Fine/ Miscellaneous fee	0	0	0	0	0	0	0
3. Medical fee	0	0	0	0	0	0	0
4. Transportation fee	0	0	0	0	0	0	0
5. Hostel fee	0	0	0	0	0	0	0
TOTAL (C)	169400	0	0	0	0	0	169400
D. Sale of Publications							
1. Sale of Admission forms	0	0	0	0	0	0	0
2. Sale of Syllabus and Question paper, etc.	0	0	0	0	0	0	0
3. Sale of Prospectus including admission forms	245600	0	0	0	0	0	245600
TOTAL (D)	245600	0	0	0	0	0	245600
E.Other Academic Receipts							
1. Registration fee for workshops, programmes	0	0	0	0	0	0	0
2. Registration fees (Academic Staff College)	0	0	0	0	0	0	0
TOTAL (E)	0						0
GRAND TOTAL (A+B+C+D)	249959602	0	0	0	0	0	249959602

SCHEDULE 10 - GRANTS / SUBSIDIES (IRREVOCABLE GRANTS RECEIVED)	COLLEGE	TEQIP-1	TEQIP-2	TEQIP-2COE	RESEARCH	PF	TOTAL
Balance B/f	0	0	0	0	0	0	0
Add: Receipts during the year	650000000	0	0	0	0	0	650000000
Total	650000000	0	0	0	0	0	650000000
Less: Refunded to UGC	0	0	0	0	0	0	0
Balance	650000000	0	0	0	0	0	650000000
Less: Utilized for Capital Expenditure (A)	0	0	0	0	0	0	0
Balance	650000000	0	0	0	0	0	650000000
Less: Utilized for Revenue Expenditure (B)	650000000	0	0	0	0	0	650000000
TOTAL	0	0	0	0	0	0	0
SCHEDULE 11- INCOME FROM INVESTMENTS	COLLEGE	TEQIP-1	TEQIP-2	TEQIP-2COE	RESEARCH	PF	TOTAL
1. Interest							
a) On Govt. Securities	0	0	0	0	0	0	0
b) Other Bonds/ Debentures	0	0	0	0	0	0	0
2. Interest on Term Deposits	13728710	0	136137	0	5721013	14949903	34535763
3. Income accrued but not due on Term Deposits / Interest bearing advances to employees	0	0	0	0	0	0	0
4. Interest on Savings Bank Accounts	0	0	0	0	0	0	0
5. Others (Specify)	0	0	0	0	0	0	0
TOTAL	13728710	0	136137	0	5721013	14949903	34535763
SCHEDULE 12- INTEREST EARNED							
Particulars	COLLEGE	TEQIP-1	TEQIP-2	TEQIP-2COE	RESEARCH	PF	TOTAL
1. On Savings Accounts with Scheduled Banks	0	0	0	0	0	0	0
2. On Loans							
a) Employees / Staff	0	0	0	0	0	0	0
b) Others	0	0	0	0	0	0	0
3. On Debtors and Other Receivables	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0

SCHEDULE 13- OTHER INCOME							
A.Income from Land & Building	COLLEGE	TEQIP-1	TEQIP-2	TEQIP-2COE	RESEARCH	PF	TOTAL
1. Hostel Room Rent	5638045	0	0	0	0	0	5638045
2. License fee	1420213	0	0	0	14000	0	1434213
3. Hire Charges of Auditorium/Play ground/Convention Centre,etc.	99000	0	0	0	0	0	99000
4. Electricity Charges recovered	38395235	0	0	0	0	0	38395235
5. Water Charges recovered	0	0	0	0	0	0	0
Total (A)	45552493	0	0	0	14000	0	45566493
B. Sale of Institute's Publications	0	0	0	0	0	0	0
C. Income from from holding events							
1.Gross Receipts from annual function/sports caenival	0	0	0	0	0	0	0
Less : Direct Expenditure incurred on the annual function/sports carnival	0	0	0	0	0	0	0
2. Gross Receipts from fetes	0	0	0	0	0	0	0
Less : Direct Expenditure incurred on the fetes	0	0	0	0	0	0	0
3. Gross Receipts for educational tours	0	0	0	0	0	0	0
Less : Direct Expenditure incurred on the tours	0	0	0	0	0	0	0
4. Others (to be specified and separately disclosed)	0	0	0	0	0	0	0
TOTAL(C)	0	0	0	0	0	0	0
D. Others							
1. Income from Consultancy	0	0	0	0	0	0	0
2. RTI Fees	0	0	0	0	0	0	0
3. Income from Royalty	0	0	0	0	0	0	0
4. Sale of application form (recruitment)	0	0	0	0	0	0	0
5. Misc. receipts (Sale of tender form, waste paper, etc.)	25197535	0	1085759	0	0	0	26283294
6. Profit on Sale/ Disposal of Assets:	0	0	0	0	0	0	
a) Owned Assets	0	0	0	0	0	0	0
b) Assets acquired out of grants, or received free of cost	0	0	0	0	0	0	0
7. Grants / Donations from Institutions, Welfare Bodies and International Organizations	0	0	0	0	0	0	0
8. Others (Specify)	0	0	0	0	72761	0	72761
TOTAL(H)	25197535	0	1085759	0	72761	0	26356055
GRAND TOTAL (A+B+C+D+E+F+G+H)	70750028	0	1085759	0	86761	0	71922548

SCHEDULE 14- PRIOR PERIOD INCOME							
Particulars	COLLEGE	TEQIP-1	TEQIP-2	TEQIP-2COE	RESEARCH	PF	TOTAL
1. Academic Receipts	0	0	0	0	0	0	0
2. Income from Investments	0	0	0	0	0	0	0
3. Interest Income	0	0	0	0	0	0	0
4. Other Income	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0
SCHEDULE 15- STAFF PAYMENTS & BENEFITS	COLLEGE	TEQIP-1	TEQIP-2	TEQIP-2COE	RESEARCH	PF	TOTAL
a) Salaries and Wages	426589016	0	1500458	192394	0	0	428281868
b) Allowances and Bonus - Bonus for Non Teaching Staff	994752	0	0	0	0	0	994752
c) Contribution to Provident Fund	0	0	0	0	0	0	0
d) Contribution to Other Fund (Specify)	0	0	0	0	0	0	0
e) Staff Welfare Expenses	4407368	0	0	0	0	0	4407368
f) Retirement and Terminal Benefits	167564518	0	0	0	0	0	167564518
g) LTC facility	6575716	0	0	0	0	0	6575716
h) Medical facility	5442881	0	0	0	0	0	5442881
i) Children Education Allowance	6694942	0	0	0	0	0	6694942
j) Honorarium	0	0	0	0	0	0	0
k) Others (Specify)	0	0	0	0	0	0	0
--- Amenities to Staff & Students	306558	0	0	0	0	0	306558
--- Daily wage / consolidated / Outsourcing charges	23182823	0	0	0	0	0	23182823
TOTAL	641758574	0	1500458	192394	0	0	643451426
SCHEDULE 16- ACADEMIC EXPENSES	COLLEGE	TEQIP-1	TEQIP-2	TEQIP-2COE	RESEARCH	PF	TOTAL
a) Laboratory Expenses	0	0	0	0	0	0	0
b) Field work/ Participation in Conferences	0	0	0	0	0	0	0
c) Expenses on Seminars / Workshops	3299272	0	0	0	0	0	3299272
d) Payment to Visiting Faculty - Contingency for Spl Faculty & Allowances	21521998	0	0	0	0	0	21521998
e) Examination	0	0	0	0	0	0	0
f) Student Welfare expenses	0	0	0	0	0	0	0
g) Admission expenses	0	0	0	0	0	0	0
h) Convocation expenses	349152	0	0	0	0	0	349152
i) Publications	0	0	0	0	0	0	0
j) Stipend/ means-cum-merit scholarship	117975408	0	0	0	0	0	117975408
k) Subscription expenses	0	0	0	0	0	0	0
l) Others (Specify)	0	0	0	0	0	0	0
--- Professional Development Allowance	32622585	0	0	0	0	0	32622585
TOTAL	175768415		0	0	0	0	175768415

SCHEDULE 17- ADMINISTRATIVE AND GENERAL EXPENSES	COLLEGE	TEQIP-1	TEQIP-2	TEQIP-2COE	RESEARCH	PF	TOTAL
A. Infrastructure							
a) Electricity and Power	59780277	0	0	0	0	0	59780277
b) Water charges	0	0	0	0	0	0	0
c) Insurance	0	0	0	0	0	0	0
d) Rent, Rates and Taxes (including property tax)	1329991	0	0	0	0	0	1329991
B. Communication		0	0	0	0	0	0
e) Postage and telegram	0	0	0	0	0	0	0
f) Telephone, Fax and Internet Charges	10233390	0	0	0	0	0	10233390
C. Others		0	0	0	0	0	0
g) Printing and Stationary (Consumption)	3573640	0	0	0	0	0	3573640
h) Travelling and Conveyance Expenses	3009849	0	0	0	0	0	3009849
i) Hospitality	0	0	0	0	0	0	0
j) Auditor's Remuneration	270657	0	0	0	0	0	270657
k) Professional Charges - Legal Charges	656000	0	0	0	0	0	656000
Balance C/d	78853804	0	0	0	0	0	78853804
Balance B/d	78853804	0	0	0	0	0	78853804
l) Advertisement and Publicity	3632491	0	0	0	0	0	3632491
m) Magazines and Journals	0	0	0	0	0	0	0
n) Others (Specify)	0	0	0	0	0	0	0
--- DOC - Contingent Expenses	10032795	0	0	0	0	0	10032795
--- Security Staff Salaries (Temporary Staff)	13068265	0	0	0	0	0	13068265
--- Conservancy Charges	314207	0	0	0	0	0	314207
--- Guest House Charges	1355904	0	0	0	0	0	1355904
--- Other Miscelleneous Expenses	3354214	0	17264642	1833500	0	0	22452356
--- Interest on Provident Fund	0	0	0	0	0	14399906	14399906
TOTAL	110611680	0	17264642	1833500	0	14399906	144109728
SCHEDULE 18- TRANSPORTATION EXPENSES	COLLEGE	TEQIP-1	TEQIP-2	TEQIP-2COE	RESEARCH	PF	TOTAL
1. Vehicles (owned by educational institution)							
a) Running Expenses	1381639	0	0	0	0	0	1381639
b) Repairs and Maintenance	0	0	0	0	0	0	0
c) Insurance Expenses	0	0	0	0	0	0	0
2. Vehicles taken on Rent/ Lease							
a)Rent/ Lease Expenses	0	0	0	0	0	0	0
3. Vehicle (Taxi) hiring expenses	0	0	0	0	0	0	0
TOTAL	1381639	0	0	0	0	0	1381639

SCHEDULE 19- REPAIRS AND MAINTENANCE	COLLEGE	TEQIP-1	TEQIP-2	TEQIP-2COE	RESEARCH	PF	TOTAL
a) Building	147118413	0	0	0	0	0	147118413
b) Furnitures and Fixtures	0	0	0	0	0	0	0
c) Plant and Machinery	0	0	0	0	0	0	0
d) Office Equipment	132008	0	0	0	0	0	132008
e) Computers	0	0	0	0	0	0	0
f) Laboratory & scientific equipment	0	0	0	0	0	0	0
g) Audit Visual Equipment	0	0	0	0	0	0	0
h) Cleaning Material & Services	0	0	0	0	0	0	0
i) Book binding charges	0	0	0	0	0	0	0
j) Gardening	0	0	0	0	0	0	0
k) Estate Maintenance	0	0	0	0	0	0	0
l) Others (Specify)	0	0	0	0	0	0	0
TOTAL	147250421	0	0	0	0	0	147250421
SCHEDULE 20- FINANCE COSTS	COLLEGE	TEQIP-1	TEQIP-2	TEQIP-2COE	RESEARCH	PF	TOTAL
a) Bank Charges	0	0	0	0	0	0	0
b) Others (Specify)	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0
SCHEDULE 21- OTHER EXPENSES	COLLEGE	TEQIP-1	TEQIP-2	TEQIP-2COE	RESEARCH	PF	TOTAL
a) Provision for Bad and Doubtful Debts/ Advances	0	0	0	0	0	0	0
b) Irrecoverable Balances Written-off	0	0	0	0	0	0	0
c) Grants / Subsidies to other Institutions / Organizations	0	0	0	0	0	0	0
c) Others (Specify)	0	0	0	0	43904	0	43904
TOTAL	0	0	0	0	43904	0	43904
SCHEDULE 22- PRIOR PERIOD EXPENSES	COLLEGE	TEQIP-1	TEQIP-2	TEQIP-2COE	RESEARCH	PF	TOTAL
1. Establishment Expenses	0	0	0	0	0	0	0
2. Academic Expenses	0	0	0	0	0	0	0
3. Administrative Expenses	0	0	0	0	0	0	0
4. Transportation Expenses	0	0	0	0	0	0	0
5. Repairs & Maintenance	0	0	0	0	0	0	0
c) Other Expenses	0	0	0	0	0	0	0

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL

CONSOLIDATED RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31-03-2015

(Amount in Rupees)

RECEIPTS	Current Year	Previous Year	PAYMENTS	Current Year	Previous Year
I. Opening Balances:			I. Expenses		
a) Cash in hand			a) Establishment Expenses	643451426	548032528
--- Main Cash Book	1225156	588918	b) Academic Expenses	175768415	139860139
--- Petty Cash Book	28330	230	c) Administrative Expenses	129753851	136059183
--- Imprest with Departments	292889	262889	d) Transportation Expenses	1381639	1268666
--- Fee Account (Cash)	0	0	e) Repairs & Maintenance	147250421	90580309
			f) Prior Period Expenses	0	0
b) Bank Balances					
--- In Current Accounts	90856377	225777494	II. Payments made against Earmarked / Endowment Funds		
--- In Deposit Accounts	0	0	--- Earmarked Fund	230832734	181212538
--- Savings Account (others)	23831865	4434856	--- Endowment Fund	326265	0
--- Fee Bank A/c(Current)	16080769	2421046	--- PF Subscription	46061109	30397334
			III. Payments against Sponsored Projects / Schemes	45834934	17064635
II. Grants Received			IV. Payments against Sponsored Fellowships / Scholarships	0	0
a) From Govt. of India					
--- Towards General Fund	265000000	264000000	V. Investments and Deposits made		
--- Towards Revenue Exp	650000000	501000000	a) Out of Earmarked / Endowments funds	1550000	1545000
--- L/Yr Receivable	0	100000000	b) Out of Own funds	0	0
b) From State Government	0	0			
c) From Other Sources - GPF	50685211	36322994	VI. Term Deposits with Scheduled Banks	862812590	582663112
III. Academic Receipts (As per Annexure)	249959602	129262976	VII. Expenditure on Fixed Assets and Capital Works - in - Progress		
			a) Fixed Assets	165512732	121754324
IV. Receipts against Earmarked / Endowment Fund			b) Capital Work - in - Progress	0	0
--- Earmarked Fund	328277180	286802330			
--- Endowment Fund	1550000	0			

V. Receipts against Sponsored Projects / Schemes	56501961	62775172	VIII. Other Payments including statutory payments		
			--- Statutory Liabilities	107935220	86602918
VI. Receipts against Sponsored Fellowships and Scholarships	0	0			
			IX. Refunds and Grants	0	0
VII. Income on Investments from					
--- Earmarked / Endowment Funds	443469	307830	X. Deposits and Advances		
--- Other Investments	0	0	--- Other Deposits	24868867	34424745
			--- Advances Accounts	204097625	409720272
VIII. Interest received on					
--- Bank Deposits	19585860	30086943	XI. Other Payments		
--- Loand and Advances	0	0			
--- Savings Bank Account	947235	448086	--- Outstanding Liabilities	7893762	12204233
			--- Purchases Accounts	72583783	55159812
IX. Investment encashed	0	0	--- Electricity Deposit	0	1657829
			--- NP Grant Receivable	100000000	0
X. Term Deposits with Scheduled Banks encashed	953488412	672025303			
XI. Other Income (including PPI)					
--- Income from L & B	45552493	33400533			
--- Other Income	26283294	4013813			
XII. Deposits & Advances			XII. Closing Balances		
--- Other Deposits	22799677	43981575	a) Cash in hand		
--- Advances Accounts	34979582	38016673	--- Main Cash Book	804422	1225156
			--- Petty Cash Book	2927	28330
XIII. Miscelleneous Receipts including Statutory Receipts			--- Imprest with Departments	317889	292889
--- Statutory Liabilities	106809562	88760941	--- Fee Account (Cash)	0	0
XIV. Any Other Receipts			b) Bank Balances		
--- Purchase Accounts	107328660	20861344	--- In Current Accounts	71472644	76672534
--- Fee Receivable 2012-13	0	27335000	--- In Deposit Accounts	0	0
--- Outstanding Liabilities	27003635	7893762	--- Savings Account (Others)	35252071	38015708
--- NIT Delhi Receivable	0	1742255	--- Fees Bank account (Current a/c)	3745893	16080769
	3079511219	**2582522963**		**3079511219**	**2582522963**

NATIONAL INSTITUTEOF TECHNOLOGY, WARANGAL			
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH 2015			
SOURCES OF FUNDS	SCHEDULE	General Fund	Previous Year
Academic Receipts	9	249959602	129262976
Garnts / Subsidies	10	650000000	501000000
Income from Investments	11	13728710	25993345
Interest Earned	12	0	0
Other Income	13	70750028	35708825
Prior Period Income	14	0	0
TOTAL (A)		984438340	691965146
EXPENDITURE			
Staff Payments & Benefits (Establishment Expenses)	15	641758574	546919619
Academic Expenses	16	175768415	139860139
Administrative and General Exp	17	110611680	98076926
Transportation expenses	18	1381639	1268666
Reparis & Maintenance	19	147250421	90580309
Finance Cost	20	0	0
Depreciation	4	0	0
Other Expenses	21	0	0
Prior Period Expenses	22	0	0
TOTAL (B)		1076770729	876705659
Balance being excess of Income over Expenditure (A-B)		-92332389	-184740513
Transfer to / from Designated Fund		0	0
Building Fund		0	0
Others if Any		0	0
Balance being surplus (Deficit) carried to General Fund		-92332389	-184740513
Notes on Accounts	22		

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL

RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31-03-2015

(Amount In Rupees)

RECEIPTS	Current Year	Previous Year	PAYMENTS	Current Year	Previous Year
I. Opening Balances:			I. Expenses		
a) Cash in hand			a) Establishment Expenses	641758574	546919619
--- Main Cash Book	1225156	588918	b) Academic Expenses	175768415	139860139
--- Petty Cash Book	28330	230	c) Administrative Expenses	110611680	98076926
--- Imprest with Departments	292889	262889	d) Transportation Expenses	1381639	1268666
--- Fee Account (Cash)	0	0	e) Repairs & Maintenance	147250421	90580309
			f) Prior Period Expenses	0	0
b) Bank Balances					
--- In Current Accounts	38806470	201502500	II. Payments made against Earmarked / Endowment Funds		
--- In Deposit Accounts	0	0	--- Earmarked Fund	230832734	181212538
--- Savings Account (others)	916469	880920	--- Endowment Fund	326265	0
--- Fee Bank A/c(Current)	16080769	2421046	III. Payments against Sponsored Projects / Schemes	1000	0
II. Grants Received			IV. Payments against Sponsored Felllowships / Scholarships	0	0
a) From Govt. of India					
--- Towards General Fund	250000000	194000000	V. Investments and Deposits made		
--- Towards Revenue Exp	650000000	501000000	a) Out of Earmarked / Endowments funds	1550000	1545000
--- L/Yr Receivable	0	100000000	b) Out of Own funds	0	0
b) From State Government	0	0			
c) From Other Sources	0	0	VI. Term Deposits with Scheduled Banks	810934431	494588412
III. Academic Receipts (As per Annexure)	249959602	129262976	VII. Expenditure on Fixed Assets and Capital Works - in - Progress		
			a) Fixed Assets	153784866	85184790
IV. Receipts against Earmarked / Endowment Fund			b) Capital Work - in - Progress	0	0
--- Earmarked Fund	328277180	286802330			
--- Endowment Fund	1550000	0			
V. Receipts against Sponsored Projects / Schemes	0	0	VIII. Other Payments including statutory payments		
			--- Statutory Liabilities	107935220	86602918
VI. Receipts against Sponsored Fellowships and Scholarships	0	0			
			IX. Refunds and Grants	0	0
VII. Income on Investments from					
--- Earmarked / Endowment Funds	443469	307830	X. Deposits and Advances		
--- Other Investments	0	0	--- Other Deposits	18379602	12614745
			--- Advances Accounts	202251375	391695103

VIII. Interest received on					
— Bank Deposits	13728710	25993345	XI. Other Payments		
— Loand and Advances	0	0			
— Savings Bank Account	0	0	— Outstanding Liabilities	7893762	12204233
			— Purchases Accounts	72583783	55159812
IX. Investment encashed	0	0	— Electricity Deposit	0	1657829
			— NP Grant Receivable	100000000	0
X. Term Deposits with Scheduled Banks encashed	923488412	587097848			
XI. Other Income (including PPI)					
— Income from L & B	45552493	33400533			
— Other Income	25197535	2308292			
XII. Deposits & Advances			XII. Closing Balances		
— Other Deposits	20880160	22255670	a) Cash in hand		
— Advances Accounts	31483530	21842493	— Main Cash Book	804422	1225156
			— Petty Cash Book	2927	28330
XIII. Miscelleneous Receipts including Statutory Receipts			— Imprest with Departments	317889	292889
— Statutory Liabilities	106606551	88760941	— Fee Account (Cash)	0	0
XIV. Any Other Receipts			b) Bank Balances		
— Purchase Accounts	107328660	20861344	— In Current Accounts	49698544	38806470
— Fee Receivable 2012-13	0	27335000	— In Deposit Accounts	0	0
— Outstanding Liabilities	27003635	7893762	— Savings Account (Others)	1036578	916469
— NIT Delhi Receivable	0	1742255	— Fees Bank account (Current a/c)	3745893	16080769
	2838850020	2256521122		2838850020	2256521122

NATIONAL INSTITUTEOF TECHNOLOGY, WARANGAL			
RESEARCH SCHEMES ACCOUNT			
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH 2015			
SOURCES OF FUNDS	SCHEDULE	Current Year	Previous Year
Academic Receipts	9	0	0
Garnts / Subsidies	10	0	0
Income from Investments	11	5721013	0
Interest Earned	12	0	0
Other Income	13	86761	0
Prior Period Income	14	0	0
TOTAL (A)		5807774	0
EXPENDITURE			
Staff Payments & Benefits (Establishment Expenses)	15	0	0
Academic Expenses	16	0	0
Administrative and General Exp	17	0	0
Transportation expenses	18	0	0
Reparis & Maintenance	19	0	0
Finance Cost	20	0	0
Depreciation	4	0	0
Other Expenses	21	43904	0
Prior Period Expenses	22	0	0
TOTAL (B)		43904	0
Balance being excess of Income over Expenditure (A-B)		5763870	0
Transfer to / from Designated Fund		0	0
Building Fund		0	0
Others if Any		0	0
Balance being surplus (Deficit) carried to General Fund		5763870	0
Notes on Accounts	22		

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL
RESEARCH SCHEMES ACCOUNT
RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31-03-2015

(Amount in Rupees)

RECEIPTS	Current Year	Previous Year	PAYMENTS	Current Year	Previous Year
I. Opening Balances:			I. Expenses		
a) Cash in hand			a) Establishment Expenses	0	0
b) Bank Balances			b) Academic Expenses	0	0
--- SBH NITW Current A/c	14183843	0	c) Administrative Expenses	43904	0
			d) Transportation Expenses	0	0
II. Grants Received			e) Repairs & Maintenance	0	0
a) GOI - MHRD Grants	0	0	f) Prior Period Expenses	0	0
b) GOI - MHRD COE Grants	0	0			
			II. Payments made against Earmarked / Endowment Funds		
III. Academic Receipts	0	0	--- Earmarked Fund	0	0
			--- Endowment Fund	0	0
IV. Receipts against Earmarked / Endowment Fund	0	0	III. Payments against Sponsored Projects / Schemes	45833934	17064635
V. Receipts against Sponsored Projects / Schemes	56501961	62775172	IV. Payments against Sponsored Felllowships / Scholarships	0	0
VI. Receipts against Sponsored Fellowships and Scholarships	0	0	V. Investments and Deposits made		
			a) Out of Earmarked / Endowments funds	0	0
VII. Income on Investments from			b) Out of Own funds	0	0
--- Earmarked / Endowment Funds	0	0			
--- Other Investments	0	0	VI. Term Deposits with Scheduled Banks	51878159	30000000
VIII. Interest received on			VII. Expenditure on Fixed Assets and Capital Works - in - Progress		
--- Bank Deposits	5721013	0	a) Fixed Assets	0	0
--- Loand and Advances	0	0	b) Capital Work - in - Progress	0	0
--- Savings Bank Account	0	0			
IX. Investment encashed	0	0	VIII. Other Payments including statutory payments		
X. Term Deposits with Scheduled Banks encashed	30000000	0	IX. Refunds and Grants	0	0
XI. Other Income (including PPI)			X. Deposits and Advances		
--- Income from L & B	0	0	--- NIT Warangal	0	50000
--- Other Income			--- Advances Accounts	1846250	2322989
			--- FDD Suspense Account	1893216	0
XII. Deposits & Advances			--- LC Suspense Account	4341049	0
--- NIT, Warangal	0	74295	XI. Other Payments	0	0
--- Advances Accounts	3036052	772000			
--- FDD Suspense Account	1919517	0			

XIII. Miscelleneous Receipts including Statutory Receipts			XII. Closing Balances		
--- Income Tax	37550	0			
--- Professional Tax	116000	0			
--- Miscelleneous Receipts	49461				
			a) Cash in hand		0
XIV. Any Other Receipts	0	0	b) Bank Balances		
			--- SBH NITW Current A/c	5728885	14183843
	111565397	63621467		111565397	63621467

NATIONAL INSTITUTEOF TECHNOLOGY, WARANGAL			
TECHNICAL EDUCTION QUALITY IMPROVEMENT PROGRAMME - II			
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH 2015			
SOURCES OF FUNDS	SCHEDULE	Current Year	Previous Year
Academic Receipts	9	0	0
Gamts / Subsidies	10	0	0
Income from Investments	11	136137	2236780
Interest Earned	12	0	0
Other Income	13	1085759	1696521
Prior Period Income	14	0	0
TOTAL (A)		1221896	3933301
EXPENDITURE			
Staff Payments & Benefits (Establishment Expenses)	15	1500458	1020928
Academic Expenses	16	0	0
Administrative and General Exp	17	17264642	37644860
Transportation expenses	18	0	0
Reparis & Maintenance	19	0	0
Finance Cost	20	0	0
Depreciation	4	0	0
Other Expenses	21	0	0
Prior Period Expenses	22	0	0
TOTAL (B)		18765100	38665788
Balance being excess of Income over Expenditure (A-B)		-17543204	-34732487
Transfer to / from Designated Fund		0	0
Building Fund		0	0
Others if Any		0	0
Balance being surplus (Deficit) carried to General Fund		-17543204	-34732487
Notes on Accounts	22		

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL

TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME - II

RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31-03-2015

(Amount in Rupees)

RECEIPTS	Current Year	Previous Year	PAYMENTS	Current Year	Previous Year
I. Opening Balances:			I. Expenses		
a) Cash in hand			a) Establishment Expenses	1500458	1020928
b) Bank Balances			b) Academic Expenses	0	0
--- SBH NITW Current A/c	17144583	4274994	c) Administrative Expenses	17264642	37644860
			d) Transportation Expenses	0	0
II. Grants Received			e) Repairs & Maintenance	0	0
a) GOI - MHRD Grants	15000000	70000000	f) Prior Period Expenses	0	0
b) GOI - MHRD COE Grants	0	0			
			II. Payments made against Earmarked / Endowment Funds		
III. Academic Receipts	0	0	--- Earmarked Fund	0	0
			--- Endowment Fund	0	0
IV. Receipts against Earmarked / Endowment Fund	0	0	III. Payments against Sponsored Projects / Schemes	0	0
V Receipts against Sponsored Projects / Schemes	0	0	IV. Payments against Sponsored Fellowships / Scholarships	0	0
VI. Receipts against Sponsored Fellowships and Scholarships	0	0	V. Investments and Deposits made		
			a) Out of Earmarked / Endowments funds	0	0
VII. Income on Investments from			b) Out of Own funds	0	0
-- Earmarked / Endowment Funds	0	0			
-- Other Investments	0	0	VI. Term Deposits with Scheduled Banks	0	35000000
VIII. Interest received on			VII. Expenditure on Fixed Assets and Capital Works - in - Progress		
--- Bank Deposits	136137	2236780	a) Fixed Assets	4098186	36569534
--- Loand and Advances	0	0	b) Capital Work - in - Progress	0	0
--- Savings Bank Account	0	0			
IX. Investment encashed	0	0	VIII. Other Payments including statutory payments		
X. Term Deposits with Scheduled Banks encashed	0	50000000	IX. Refunds and Grants	0	0
XI. Other Income (including PPI)			X. Deposits and Advances	0	0
--- Income from L & B	0	0	--- EMD	0	1760000
--- Other Income			--- Advances Accounts	0	15702180
-- Sale of Tender Schedule	0	16500	--- COE	0	20000000
-- Training / Regn Fee Coll	1085759	1680021			
			XI. Other Payments	0	0
XII. Deposits & Advances			XII. Closing Balances		
--- EMD	0	1231610	a) Cash in hand		0
--- Advances Accounts	460000	15402180	b) Bank Balances		
--- COE	0	20000000	--- SBH NITW Current A/c	10963193	1714[illegible]
XIII. Miscelleneous Receipts including Statutory Receipts	0	0			
XIV. Any Other Receipts	0	0			
	33826479	164842085		33826479	164842085

NATIONAL INSTITUTEOF TECHNOLOGY, WARANGAL			
TEQIP - II CoE - SUSTAINABLE ENERGY STUDIES			
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH 2015			
SOURCES OF FUNDS	SCHEDULE	Current Year	Previous Year
Academic Receipts	9	0	0
Garnts / Subsidies	10	0	0
Income from Investments	11	0	721821
Interest Earned	12	0	0
Other Income	13	0	9000
Prior Period Income	14	0	0
TOTAL (A)		0	730821
EXPENDITURE			
Staff Payments & Benefits (Establishment Expenses)	15	192394	91981
Academic Expenses	16	0	0
Administrative and General Exp	17	1833500	337359
Transportation expenses	18	0	0
Reparis & Maintenance	19	0	0
Finance Cost	20	0	0
Depreciation	4	0	0
Other Expenses	21	0	0
Prior Period Expenses	22	0	0
TOTAL (B)		2025894	429340
Balance being excess of Income over Expenditure (A-B)		-2025894	301481
Transfer to / from Designated Fund		0	0
Building Fund		0	0
Others if Any		0	0
Balance being surplus (Deficit) carried to General Fund		-2025894	301481
Notes on Accounts	22		

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL

TEQIP - II CoE - SUSTAINABLE ENERGY STUDIES

RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31-03-2015

(Amount in Rupees)

RECEIPTS	Current Year	Previous Year	PAYMENTS	Current Year	Previous Year
I. Opening Balances:			I. Expenses		
a) Cash in hand			a) Establishment Expenses	192394	91981
b) Bank Balances			b) Academic Expenses	0	0
— SBH NITW Current A/c	20721481	20000000	c) Administrative Expenses	1833500	337359
			d) Transportation Expenses	0	0
II. Grants Received			e) Repairs & Maintenance	0	0
a) GOI - MHRD Grants	0	0	f) Prior Period Expenses	0	0
b) GOI - MHRD COE Grants	0	0			
			II. Payments made against Earmarked / Endowment Funds		
III. Academic Receipts	0	0	— Earmarked Fund	0	0
			— Endowment Fund	0	0
IV. Receipts against Earmarked / Endowment Fund	0	0	III. Payments against Sponsored Projects / Schemes	0	0
V. Receipts against Sponsored Projects / Schemes	0	0	IV. Payments against Sponsored Felllowships / Scholarships	0	0
VI. Receipts against Sponsored Fellowships and Scholarships	0	0	V. Investments and Deposits made		
			a) Out of Earmarked / Endowments funds	0	0
VII. Income on Investments from			b) Out of Own funds	0	0
— Earmarked / Endowment Funds	0	0			
— Other Investments	0	0	VI. Term Deposits with Scheduled Banks	0	0
VIII. Interest received on			VII. Expenditure on Fixed Assets and Capital Works - in - Progress		
— Bank Deposits	0	721821	a) Fixed Assets	7629680	0
— Loand and Advances	0	0	b) Capital Work - in - Progress	0	0
— Savings Bank Account	0	0			
IX. Investment encashed	0	0	VIII. Other Payments including statutory payments		
X. Term Deposits with Scheduled Banks encashed	0	0	IX. Refunds and Grants	0	0
XI. Other Income (including PPI)			X. Deposits and Advances		
— Income from L & B	0	0	— EMD / Bid Security	255000	0
— Other Income					
— Sale of Tender Schedules	0	9000			
XII. Deposits & Advances					
— EMD / Bid Security	0	420000	XI. Other Payments	0	0
XIII. Miscelleneous Receipts including Statutory Receipts			XII. Closing Balances		
			a) Cash in hand		0
XIV. Any Other Receipts	0	0	b) Bank Balances		
			— SBH NITW Current A/c	10810907	20721481
	20721481	21150821		20721481	21150821

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 2015

We have audited the attached Balance Sheet of National Institute of Technology, Warangal, as at 31 March 2015, 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 and Income & Expenditure Account/ Receipts & Payment Account dealt with by this Report have been drawn in the Revised Format of Accounts, prescribed by Government of India, Ministry of Human Resource Development, for Central Educational Institutions.

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. Sources of Funds

A.1.1 Capital/Corpus Fund: ₹ 458.14 crore (Schedule-1)

A.1.1.1 This does not include expenditure of ₹ 85,78,911/- incurred during the year towards purchase of Library Books and Scientific Journals out of Earmarked 'Student Library Fund account', which was incorrectly accounted as revenue expenditure, instead of capital expenditure by debit to Fixed Assets (Schedule-4D Others) and corresponding credit to Corpus/Capital Fund. This resulted in understatement of Corpus/Capital Fund and Fixed Assets by ₹ 0.86 crore each.

A.1.2 Current Liabilities & Provisions: ₹ 18.24 crore (Schedule-3)

A.1.2.1 This does not include provision for known liability towards payment of outstanding expenses of ₹ 11,01,337/- to the end of 31st March 2015, despite accounts maintained on accrual basis. This resulted in understatement of Current Liabilities & Provisions and Expenditure by ₹ 0.11 crore each and also consequently understatement of Deficit by ₹ 0.11 crore.

A. 2. Application of Funds

A.2.1. Fixed Assets: ₹ 246.46 crore (Schedule-4)

A.2.1.1 This includes Gross Fixed Assets value of ₹ 223.19 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 Assets value (could not be quantified due to non-adoption of any depreciation rates).

A.2.1.2 This includes value of completed buildings renovation & construction works of ₹ 1,22,92,030/-) and Equipment[1] of ₹ 20,63,201/- totalling ₹ 1,43,55,231/-, capitalised during the year and was incorrectly classified as Roads & Bridges, instead of under relevant asset heads. This needs to be rectified.

A.2.2 Capital Works-in-Progress: ₹ 120 crore (Schedule-4)

A.2.2.1 This includes expenditure of ₹ 27,98,60,056/-[2] incurred on Deposit Works, reported as completed and handed over by CPWD, but not yet capitalised. This resulted in overstatement of Capital Works-in-Progress and understatement of Fixed Assets by ₹ 27.99 crore.

A.2.3 Current Assets: ₹ 53.73 crore

A.2.3.1 Time-barred/Stale cheques of ₹ 18,13,903/- (for the period from January 2014 to November 2014) were not written back in the books of accounts, before closure of accounts.

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[1] Air-Conditioners, Digital Multi devices and Fire Extinguishers

[2] CPWA-Form 65 (31.3.2015) (i) Construction of Vertical Extension of various Buildings and laying of Road all around the Mega Hostel Building: ₹ 16,58,36,802/-, (ii) Renovation of Hostel Blocks: ₹ 4,84,28,301/-, (iii) Construction of CAI Building: ₹ 41,23,135/-, (iv) Construction of CAM Building: ₹ 39,96,185/-, (v) Renovation of 15 Nos. Gents Toilets of various Buildings: ₹ 43,56,171/-, (vi) Renovation of 8 Nos. Ladies Toilets of various Buildings: ₹ 19,05,919/-, (vii) Renovation and Re-carpeting of Internal Roads (Phase-I): ₹ 2,61,69,364/-, (viii) Renovation of Staff Quarters (A1, A2, A3 & A4): ₹ 80,11,425/- and (ix) Construction of second floor over NAB Building and balance portion of first floor over Computer Centre Building: ₹ 1,70,32,754/-

A.2.4 Loans, Advances & Deposits: ₹ 80.76 crore (Schedule-8)

A.2.4.1 This includes expenditure of ₹ 20,79,35,191/-[3] incurred on Deposit Works, reported as under progress by CPWD, which was not classified under Capital Works-in-Progress . This resulted in overstatement of Loans, Advances & Deposits and understatement of Capital Works-in-Progress by ₹ 20.8 crore.

B. Consolidated Income and Expenditure

B.1 Income: ₹ 100.64 crore

B.1.1 This does not include Accrued interest of ₹ 10,63,253/- due as on 31st March of the year on two Research Scheme investments value of ₹ 1,11,27,470/-. This resulted in understatement of Income and Loans, Advances & Deposits by ₹ 0.11 crore each and consequently overstatement of Deficit by ₹ 0.11 crore.

B.2 Expenditure: ₹ 111.20 crore

B.2.1 This includes expenditure of ₹ 3,58,35,177/- incurred towards eighteen (18) renovation/construction works and completed during the year, which was incorrectly treated as revenue expenditure under Repairs & Maintenance. This resulted in overstatement of Expenditure and understatement of Fixed Assets by ₹ 3.58 crore. Deficit was also overstated by ₹ 3.58 crore.

B.2.2 This includes expenditure of ₹ 2,10.99,937/- incurred during the year towards seven (07) renovation/construction works, which were under progress, but incorrectly treated as revenue expenditure under Repairs & Maintenance. This resulted in overstatement of Expenditure and understatement of Capital Works-in-Progress by ₹ 2.11 crore. Deficit was also overstated by ₹ 2.11 crore.

[3] (i) Construction of Metallurgical and Material Engineering Department Buildings: ₹ 10,59,83,876/- and (ii) Construction of Chemical Engineering Department Building: ₹ 10,19,51,315/-

B.2.3 This includes prior period recurring expenses of ₹ 26,98,020/- towards arrears in payment of water charges, which was not exhibited separately, as stipulated in Accounting Standard-5 (Para Nos.15 and 19) and incorrectly accounted as current year expenditure. This resulted in understatement of Prior period Expenditure and overstatement of Current year Expenditure by ₹ 0.27 crore.

C. General

1. 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.

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

3. Details as to existence of factual liability/lapsed/unclaimed deposits, relating to an amount of ₹ 7.25 crore[4] exhibited as 'Current Liabilities' were neither available nor year-wise analysis was conducted, despite previous Audit comments.

4. Though pointed out in previous audits, Government of Andhra Pradesh Grants of ₹ 1,02,20,359/- pertaining to the year 2002-03 and remaining unspent in the erstwhile Regional Engineering College, Warangal, set up, was not reviewed for existence of factual liability in light of the present set up/legal status consequent on establishment of the Institute under NIT Act, 2007.

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[4] Lab & Library Deposit: ₹ 2,86,22,950/- (ii) Earnest Money Deposit/Security Deposit: ₹ 3,92,01,961/- (iii) Other Deposits: ₹ 25,26,966/- (iv) Deposit for Rent and other Service charges: ₹ 2,000/- (v) NIT Co-operative Deposit: ₹ 15,93,084/- (vi) ICCR&D Deposit: ₹ 11,000/- (vii) Security Deposit for Staff Quarters: ₹ 51,840/- and (viii) Hostel and Caution Money Deposit: ₹ 4,46,664/-

5. Though pointed out in previous audits, an amount of ₹ 55.77 lakh shown as due from Government of Andhra Pradesh towards reimbursement of Tuition Fees for the period from 1993-94 to 2005-06, under erstwhile Regional Engineering College, Warangal, set up, was not reviewed in light of the present set up/legal status, consequent on establishment of the Institute under NIT Act, 2007.

6. Though pointed out in previous audits, the nature and purpose of "Fee Suspense Account" amount of ₹ 4,28,919/- shown under Earmarked Fund Account was not suitably disclosed in the *'Notes on Accounts'*.

7. The difference of ₹ 18,32,93,646/- between the value of Time Deposit Receipts (TDRs) in respect of (i) Maintenance (ii) Depreciation, (iii) Staff Development and (iv) Corpus Fund accounts confirmed by the Banker (SBH, Warangal, NIT Brach) as held by the Institute as on 31.3.2015 (₹ 17,24,11,725/-) and the total TDRs value of the four Fund accounts shown in the Annual accounts (₹ 35,57,05,371/-), needs to be reconciled for depicting the factual position.

8. The difference of ₹ 58,84,587/- between the value of TDRs in respect of Research Account confirmed by the Banker (SBH, Warangal, NIT Brach), as held by the Institute as on 31.3.2015 (₹ 6,90,12,057/-) and the value of TDRs shown in the Annual accounts (₹ 6,31,27,470/-), needs to be reconciled for depicting the factual position. Further, against total investment value of ₹ 6,31,27,470/- shown in the Investment Schedule (Page 110) and as per TDRs furnished to Audit, an amount of ₹ 5,18,78,159/- was exhibited in Schedule-7 (Page nos.7 and 70) of Annual accounts. These discrepancies need to be reconciled and rectified accordingly.

9. Against closing balances (31.3.2014) amount of ₹ 501,65,70,953/- in respect of Assets and Liabilities for the year 2013-14, an amount of ₹ 503,72,92,434/- was adopted as opening balances (01.04.2014) during the year. The reasons for difference of ₹ 2,07,21,481/- and changing the audited/certified balances of Annual accounts 2013-14, were not suitably disclosed in the Notes on Accounts.

10. The difference of ₹ 59,22,789/- between Investments value of ₹ 36,91,38,683/- including Accrued Interest as on 31.03.2015 in respect of Earmarked/Endowment Funds shown under Schedule-5, Page 24 and the corresponding investments value of ₹ 36,32,15,894/- along with Accrued Interest mentioned in the Investments Schedule-5A (Page 45) and in Page 110, of Annual accounts, needs to be reconciled and rectified accordingly.

11. The difference of ₹ 86,12,500/- between the value of Short Term Deposit Receipts (STDRs) of ₹ 10,97,46,746/- including Accrued interest as on 31.03.2015, shown in Page 25, Schedule-7 and Page 45, of Annual accounts and the value of ₹ 10,11,34,246/- exhibited in Investments Schedule, Page 110 (STDRs: ₹ 10,00,00,000/-, plus Accrued interest: ₹ 11,34,246/-), needs to be reconciled and rectified accordingly.

D. Net effect of Audit Comments on accounts

The net impact of Audit comments given in preceding paragraphs is understatement of Liabilities by ₹ 0.97 crore, Assets by ₹ 6.66 crore and overstatement of Deficit by ₹ 5.69 crore.

E. Grants-in-Aid

Out of total Grants-in-aid of ₹ 90 crore[5] received during the year (Plan: ₹ 25 crore and Non-Plan: ₹ 65 crore (including Non-Plan grant of ₹ one crore received in March 2015) along with unutilised balance of previous year amounting to ₹ 24.88 crore and internal income of ₹ 33.44 crore, totalling ₹ 148.32 crore, the Institute utilised a sum of ₹ 140.1 crore[6], leaving a balance of ₹ 8.22 crore unutilised as on 31st March 2015.

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[5] (i) Non-Plan (General & Salaries): ₹ 65,00,00,000/-. (ii) Plan- General Activities (General, SC & ST): ₹ 2,52,40,000/- (iii) Plan-Capital Assets (General, SC and ST): ₹ 22,47,60,000/-. Grand Total : ₹ 90,00,00,000/-

[6] (a) Plan- General Activities (General, SC and ST, including capital expenditure of ₹ 15,37,84,866/-) : ₹ 15,42,47,256/-, (b) Plan-(Creation of Capital Assets-General): ₹ 17,00,00,000/-, (iii) Non-Plan (General & Salaries): ₹ 107,67,70,729/-. Grant Total: ₹ 140,10,17,985/-

F. Management Letter

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

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

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

(a) In so far as it relates to the Balance Sheet, of the state of affairs of the National Institute of Technology, Warangal, as at 31 March 2015; and

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

(LATA MALLIKARJUNA)
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 of the Institute for the years 2013-14 and 2014-15, was stated to be still in progress.

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

- No pursuance was made with Banks for reconciliation of the discrepancies (as on 31st March 2015) in respect of three (3) Bank Accounts, Main College Account (A/c No.52109375198), Fee Collection (A/c No 62114635443) and Research Schemes (A/c No. 62266262236) regarding (i) Direct credits of ₹ 2,58,26,204/- (period from April 2013 to December 2014) given by Bank but not taken in Cash Book, (ii) Debits of ₹ 2,50,21,459/- (period from March 2013 to December 2014) made by Bank but not made in Cash Book (iii) Amounts of ₹ 7,31,176/- (period from March 2014 to August 2014) credited in Bank but not realised.

3. **System of Physical verification of fixed assets:** Physical verification of Fixed Assets for the year 2012-13, stated to be under progress in 2013-14, was not completed and Reports not produced to Audit. Physical verification of Fixed Assets was not conducted for the years 2013-14 and 2014-15, despite previous Audit comments. Besides this, sample Physical verification of Library Books (Institute stated having more than 1,80,000 volumes) was not carried out at an interval of not more than three years and also the Accounting policy no 05 disclosed in the Accounts was not in consonance with Rule 194 of General Financial Rules, 2005, though pointed out in previous audit.

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.

R S Malge

(ROLI SHUKLA MALGE)
निदेशक/ प्रत्यक्ष कर & केन्द्रीय स्वायत्त निक
DIRECTOR/DT & CAB