Annual Report & Annual Accounts

2015 - 2016



NATIONAL INSTITUTE OF TECHNOLOGY

WARANGAL - 506 004

TELANGANA STATE

FOREWORD

The National Institute of Technology, Warangal, the first among the chain of Regional Engineering Colleges (presently the NITs) in the country, has been witnessing a steady progress in all spheres of its vision, mission and objectives. A comparative glance of the datasheets embodied in the Annual Reports of NIT Warangal over the years till date shows its progressive evolution and qualitative leaps in academic excellence, thanks to the exemplary roles played and the hard work rendered by my predecessors. The institute has a glorious past, a luminous present and it is my humble duty and our collective responsibility to carry the legacy forward to take the Institute to greater heights for wider visibility among the leading institutes by defining and striving 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, 2015-2016, marks a high number (54) of doctoral degree awards and an impressive academic mobility to European Institutes through the Erasmus Mundus Scheme, the HERITAGE project. Many young faculty members received the Research Seed Money (RSM) grants from the Institute to initiate and continue their research activities. New interdisciplinary Centers 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. Dr. Krishna M. Ella, an eminent scholar and dynamic industrialist was the Chairman, Board of Governors, of NITWarangal during this period.

The Annual Report and Accounts Statement, 2015-2016, 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.

I appreciate the efforts of the members of the Annual Report Committee who collected the information and compiled this Annual Report.

Prof. G.R.C. Reddy
Director

CONTENTS

PART - I			Page No.
	Foreword	...	III
	Contents	...	V
	Vision Statement	...	IX
	Mission Statement	...	XI
	Objectives	...	XIII
	Brief Profile of the Institute	...	XV
1	**INTRODUCTION**		
1.1	Education System	.....	1
1.2	New Initiatives	.....	1
2.0	**AN OVERVIEW**		
2.1	Historical Background	.....	2
2.2	Location	.....	3
2.3	Campus	.....	3
2.4	Administration	.....	4
2.5	Academic Programmes	.....	5
2.6	Courses Offered	.....	5
2.7	Admission Procedure	.....	8
2.8	Students	.....	12
2.9	Examination & Evaluation	.....	13
2.10	Placement	.....	16
2.11	Games and Sports	.....	18
2.12	R & D Infrastructure	.....	22
2.13	TEQIP - II	.....	31
3.0	**THE FACULTY AND OTHER STAFF**		
3.1	The Faculty	.....	33
3.2	Non-Teaching Staff	.....	45
3.3	Continuing Education Programmes for Academic Excellence	.....	49
3.4	Research Publications/Presentations	.....	57

4.0	**ADMINISTRATIVE AND ACADEMIC STATUTORY BODIES AND OTHER COMMITTEES**		
4.1	Board of Governors	.....	101
4.2	Finance Committee	.....	102
4.3	Building and Works Committee	.....	103
4.4	Senate	.....	104
4.5	Other Committees		105
5.0	**ACADEMIC PROGRAMMES & RELATED DETAILS**		
5.1	Programmes Offered	.....	111
5.2	B.Tech; Year wise Enrollment with Sex, Caste Break-up; Admission Statistics	.....	111
5.3	Total students strength in the Institute during 2015-16	.....	117
5.4	Scholarships / Monetary Assistance	.....	118
5.5	Examination Results	.....	120
6.0	**CONCESSIONS FOR SCs, STs, HANDICAPPED STUDENTS AND STAFF**		
6.1	Concessions Provided for Students	.....	122
6.1	Concessions Provided for Staff	.....	122
7.0	**RESEARCH & DEVELOPMENT ACTIVITIES**		
7.1	Research Guidance	.....	123
7.2	Details of Ph.Ds Awarded	.....	144
7.3	Research Projects	.....	150
7.4	Sponsored Research and Industrial Consultancy	.....	162
8.0	**LABORATORIES AND INFRASTRUCTURE**	.....	**163**
9.0	**CENTRAL FACILITIES & SERVICES**		
9.1	Computer Centre	.....	173
9.2	Library	.....	176
9.3	Games & Sports Facilities	.....	181
9.4	Hostels, Messes, Staff Quarters	.....	184
9.5	Hospital	.....	188
9.6	Post Office, Shopping Centre	.....	188
9.7	Physical Facilities	.....	189

10.0	**NOTABLE ACHIEVEMENTS**		
10.1	Past Achievements	.....	190
10.2	Achievements during the current year	.....	191
11.0	**ACTIVITIES OF TECHNICAL ASSOCIATIONS AND STUDENT HOBBY CLUBS**	.....	227
12.0	**FINANCIAL STATUS**		
12.1	Analysis of Plan and Non-Plan Grants	.....	232
12.2	Sources of Funds	.....	232
12.3	Expenditure position during the last three years	.....	232
PART - II			
	AUDIT REPORT AND ANNUAL ACCOUNTS		
1.	Annual Accounts	.....	235
2.	Audit Report	.....	267

Vision Statement

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 in Technical Education.



Pandit Jawaharlal Nehru, the architect of Modern India, had conceived and implemented the concept of Regional Engineering Colleges for technical advancement and promotion of national integration in the country. He laid the foundation stone for REC Warangal on 10th October 1959. REC Warangal holds the distinction of being the first in the series of RECs established in the country. Now elevated to the status of an NIT, it has the distinction of offering the highest number of postgraduate courses among NITs. The Institute also has the distinction of having produced 536Ph.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 56 years of existence, it has become a proud Alma Mater for over 16360 graduates in different branches of technology, 10373postgraduates and 536 doctorates in technology, science, management and humanities. 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 has thus become an International Institute of excellence, offering quality technical education. In its quest for establishing a brand image commensurate with its international complexion, it is striving towards excellence in several areas.

The Institute is presently offering eight undergraduate programmes in Civil, Electrical and Electronics, Mechanical, Electronics and Communication, Metallurgical & Materials, Chemical, Computer Science and Engineering and Biotechnology streams; and thirty one Postgraduate Programmes in diverse branches of Engineering, Sciences, 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. 5.32 crores.

The institute has good infrastructure, which 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 2015-16 has been excellent. More than 200organizations visited the campus and 527 students of B.Tech among 623 students (85%) 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 Centresbeing established

- Centre for Sustainableand Alternate Energies(CSAE)
- Teaching Learning Centre

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 into 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.
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.
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 15, 2013	11th Convocation was held on 15th Oct. 2013, in which Dr. Krishna M. Ella, Chairman BOG, NIT Warangal, was the Chief Guest
August 9, 2014	12th Convocation was held on 9thAug. 2014, in which Padma Sree Avinash Chander, Scientific Adviser to Raksha Mantri, Secretary, Dept. of Defence R&D and DG DRDO, Govt. of India, was the Chief Guest
December 13, 2015	13th Convocation was held on 13thDec. 2015, in whichPadma Shri A.S. Kiran Kumar, Secretary, Dept. of Space Chairman, Space Commmission and Chairman, ISRO, was the Chief Guest

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, wildlife 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 the students, faculty and other 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, Building Works 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 assists the Director in taking decisions in day-to-day Administration.

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 Departments

The Heads of the Departments look 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	108	1959
Mechanical Engineering	108	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	62	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 and Specialisations	Current Year Intake	Year Started in
Civil Engineering		
1. Engineering Structures	25	1967
2. Transportation Engineering	26	1968
3. Water Resources Engineering	25	1964
4. Geo-Technical Engineering	25	1964
5. Remote Sensing & Geoinformation Systems	25	2000
6. Environmental Engineering	25	2004
7. Construction Technology& Management	25	2008
Electrical Engineering		
1. Power Systems Engineering	38	1964
2. Power Electronics and Drives	38	1964
Mechanical Engineering		
1. Thermal Engineering	18	1964
2. Manufacturing Engineering	18	1966
3. Computer Integrated Manufacturing	17	2000
4. Machine Design	18	2000
5. Automobile Engineering	17	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	21	1966
2. VLSI System Design	19	2001
3. Advanced Communication Systems	24	2006
Metallurgical and Materials Engineering		
1. Industrial Metallurgy	20	1983
2. Materials Technology	24	2008
Chemical Engineering		
1. Chemical Engineering (Computer Aided Process Equipment Design)	20	1968
Computer Science and Engineering		
1. Computer Science & Engineering	20	1987
2. Computer Science &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	24	1970
2. Mathematics and Scientific Computing	24	2001
Chemistry.....M.Sc		
1. Organic Chemistry	24	1977
2 Analytical Chemistry	24	1999
Physics.....M.Sc (Tech)		
1. Engineering Physics (Photonics, Electronics and Instrumentation Specializations)	48	1970

Doctoral programmes (Leading to the degree of PhD) are offered in

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

2.7 ADMISSION PROCEDURE

Admission into B.Tech.

Admissionsinto the B.Tech. Programmes are made on the basis of the performance in the JEEMain 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 seatsis 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 andfinalizes 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 opteither 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 intoM.Tech Programmes

Admissions into M Tech 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 with 55% aggregate marks (of all the years) or equivalent CGPA of 6.0/10 is the eligibility requirement. Eligibility and other criteria for admissions into M. Tech. courses of the Institute will be reviewed and decided by the Senate from time to time.

M.Tech Programme Structure

An M.Tech program is of 4-semester duration with course work in the first two semesters followed by dissertation work for two semesters. 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, and 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)

- 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 into 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 into 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 into 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 which 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 Felloship for a duration of three years, which may be extendable by one more year, based on the recommendations of the 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 into 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, which is at 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/is necessary.
- Admission under the category (g) is open to:

  a) JRFs / SRFs in CSIR / DST / Defense laboratories / Government R&D Organizations

  b) 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 three years of experience and having measurable research output.

  c) 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 6 years of experience and having measurable research output. 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 into 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, it is mandatory that he/she has to deliver atleast one seminar per semester before DSC, which reviews his/her progress.

2.8 Students

Number of candidates admitted into First year B.Tech. during 2015-2016

Sl.No.	Branch	Boys		Girls		Total	
		Indians	Foreign	Indians	Foreign	Indians	Foreign
1	Civil Engineering	66+5	19	24+2	0	99	19
2	Electrical & Electronics Engineering	61+5	16	46+4	7	116	23
3	Mechanical Engineering	101+9	21	6	1	116	22
4	Electronics & Communication Engineering	64+3	16	42+6	8	115	24
5	Metallurgical and Materials Engineering	47+4	0	15+1	0	67	0
6	Chemical Engineering	57+6	7	33+1	4	97	11
7	Computer Science & Engineering	72+6	14	36+3	6	117	20
8	Biotechnology	32+2	1	20+3	0	57	1
	Total	**501+40**	**94**	**223+20**	**26**	**784**	**120**

Remarks:- (+40 & +20) Supernumerary students

Number of candidates admitted into First year PG courses during 2015-16 : 671

Number of candidates admitted into Ph.D. courses during 2015-16 : 148

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 based on 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., M.Sc(Tech) and M.C.A. 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

- No student can pass without securing at least 40% marks in a course.
- Relative grading system shall be followed

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

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

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

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

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

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

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

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

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

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

Transitional Grades:

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

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

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

2.10 Placement

The placement activities at the Institute:

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

During the academic year **2015-16**, 200+ companies / organizations visited the campus and offered a total of 852 placements. Among these, 527 are B. Tech students and 325 are PG students from M.Tech., M.Sc. (Tech.), M.Sc., MCA., and MBA.

Branch-wise Break-up of Placement offers to Students during the Academic Year 2015-16

Course	Branch	Total Students	Placed
B.Tech	Civil Engineering	89	56
B.Tech	Electrical & Electronics Engineering	85	75
B.Tech	Mechanical Engineering	90	82
B.Tech	Electronics & Communication Engineering	93	91
B.Tech	Metallurgical & Materials Engineering	40	35
B.Tech	Chemical Engineering	72	53
B.Tech	Computer Science & Engineering	108	107
B.Tech	Biotechnology	46	28
	B.Tech., Total	**623**	**527**
M.Tech(all branches),M.Sc. (Tech.), M.Sc., MCA., and MBA (all)		**539**	**325**
	Grand Total UG + PG (all)	**1162**	**852**

a) **Educational Tours:**

During the academic year 2015-16, the T&P Section facilitated two Educational Tours for B.Tech / M.Tech Students of various Departments. The details of the tours are given in the following table:

Sl. No.	Place of visit	Student Branch(es)	No. of students	Accompanying person with designation	Date(s)
1.	Satish Dhawan Space Centre, SHAR, ISRO at Srihari Kota	M.Tech (EI) ECE – I & II Year	29	Sri P.Muralidhar, Associate Professor.	18-2-2016 to 20-2-2016
2.	IKP Knowledge Park, Hyderabad	B.Tech (Bio-Tech) – III Year	55	Dr. R.Satishbabu & Dr. B.Rama Raju, Asst. Professors.	31-3-2016

b) **Industrial Training & Industrial Visits:**

During the summer vacation between 17-05-2016 to 27-07-2016 a number of Industries / organizations have offered training. About (150) students of III and II year B.Tech classes have undergone practical training during Summer Vacation of the academic year 2015-16.

The following are the details of Industrial Visits made by the students of various Departments during the **Academic year 2015-16:**

Sl. No.	Place of visit	Student Branch(es)	No. of students	Accompanying person(s)with designation.	Date(s)
1	Suven Life Science at Jeedimetla, Hyderabad	M.Sc., Chemistry – II Year	41	Dr. K.Hari Prasad, Asst.Prof. Ms. Soma Saha, Ad-hoc faculty.	13-02-2016
2	Bio-con in Bangalore & Labland Bio-Tech Pvt. Ltd. in Mysore.	B.Tech (Bio-Tech) – II Year	28	Dr. Amitava Bandu, Asst. Professor, Nadeem Siddiqui, Ad-hoc Faculty.	16-3-2016 to 19-3-2016
3	NATCO Pharma Ltd, Sanath Nagar, Hyderabad.	M.Sc., Chemistry – I Year	39	Dr. K.Hari Prasad, Asst. Prof. Dr. C.Madhavi, Ad-hoc Faculty.	26-3-2016

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.

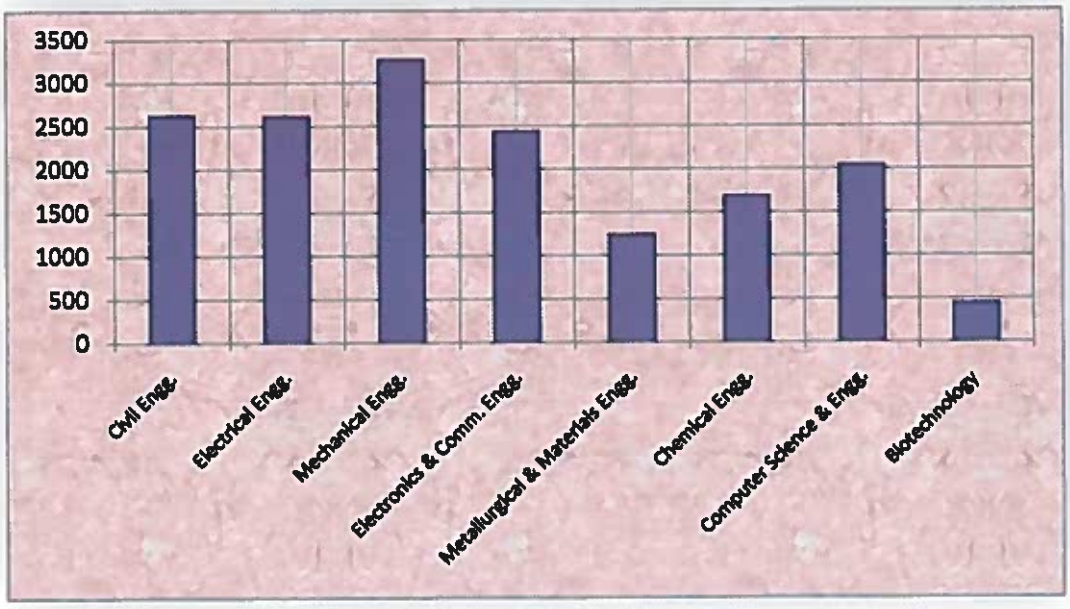
Activities of the department include

- 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.

DEGREES AWARDED TILL MARCH, 2016
Since Inception

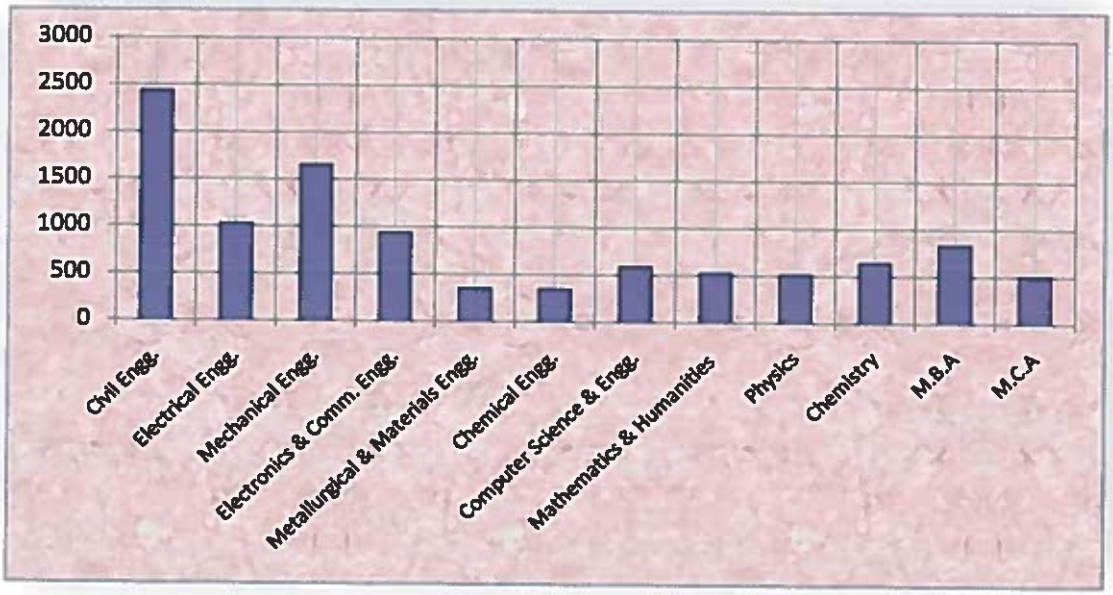
A) B.Tech.

Civil Engineering	2627
Electrical Engineering	2615
Mechanical Engineering	3270
Electronics & Communication Engineering	2434
Metallurgical and Materials Engineering	1239
Chemical Engineering	1684
Computer Science & Engineering	2041
Biotechnology	450
TOTAL	**16360**



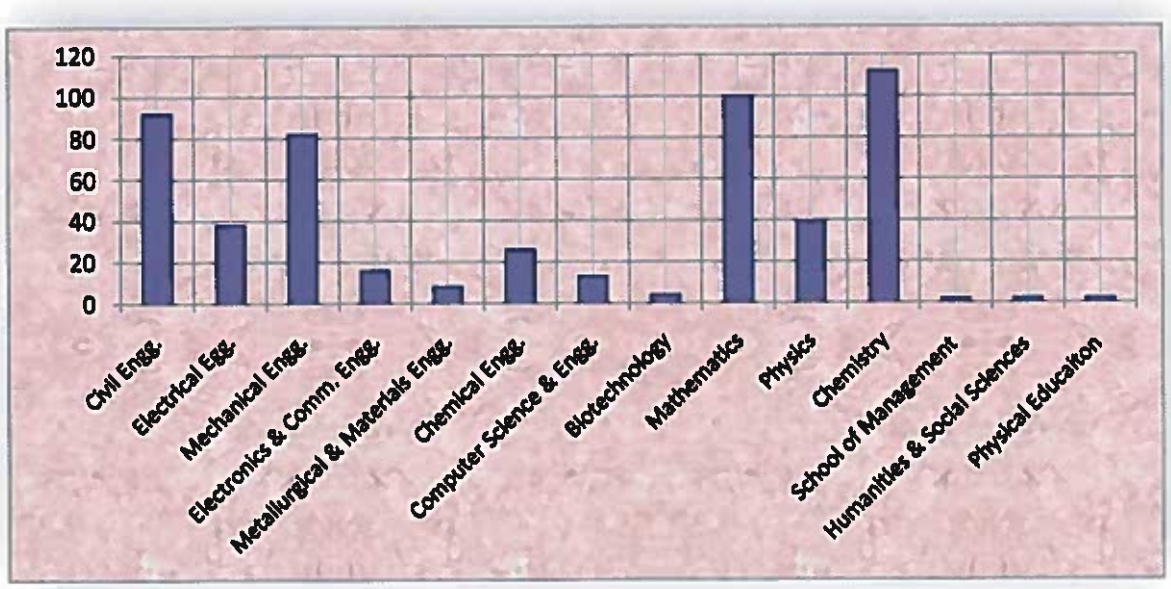
B) M.Tech. / M.Sc. / M.Sc. (Tech) / M.C.A. / M.B.A.

Civil Engineering	2437
Electrical Engineering	1031
Mechanical Engineering	1656
Electronics & Communication Engineering	941
Metallurgical and Materials Engineering	352
Chemical Engineering	347
Computer Science & Engineering	589
Mathematics & Humanities	525
Chemistry	643
Physics	515
Master of Computer Application	834
Master of Business Administration	503
TOTAL	10373



C) Ph.D (Doctor of Philosophy)

Civil Engineering	92
Electrical Engineering	38
Mechanical Engineering	82
Electronics & Communication Engineering	16
Chemical Engineering	26
Metallurgical and Materials Engineering	08
Computer Science & Engineering	13
Biotechnology	04
Mathematics	100
Physics	39
Chemistry	112
School of Management	02
Humanities &Social Sciences	02
Physical Education	02
Total	**536**



2.12R& 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 27 projects of total worth Rs.5.32 crores during 2015-2016. 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.

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.	NIL
2	Centre for Advanced Materials (CAM)	Prof. M. K. Mohan Dept. of Metallurgical & Materials Engg.	Met. & Mat. Engg., Mech. Engg., Physics,Chemistry	4.00
3	Centre for Automation and Instrumentation (CAI)	Prof. A. Rama chandraiah Dept. Cheistry	ECE, EEE, Mech. Engg., Physics, Chemistry	1.00
4	Centre for Sustainable and Alternate Energies (CSAE)	Prof. S. Srinivasa Rao Dept. of Mechanical Engg.	Mech. Engg., Chem. Engg., EEE, Physics,Chemistry	NIL

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 2015-2016 : 681

CENTRE FOR AUTOMATION AND INSTRUMENTATION

A host of, state of the art, sophisticated equipments havebeen installed, 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 instruments housed at CAI, is put with a Faculty-in-Charge as listed below. The following faculty members are requested to assist the Professor-in-Charge, CAI, in the regular maintenance and optimal utility of the instrument attached to them.

Faculties-in-Charge for Various Facilities:

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	ShirishSonawane	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	Fork Lift Maintenance/Tools	Sri I. Ashok Kumar Reddy	Mech. Engg.

(ii) *Report of Activities:*The Centre for Automation and Instrumentation (CAI) is a central facility housing a range of sophisticated instruments to cater to the needs of all Departments in their inter-disciplinary and multi-disciplinary research activities in cutting-edge areas of science and technology.

(a) The following is the tell-tale of the facilities available at CAI presently.

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 (in Rs 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 chromophorecan 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			

(b) The following Instruments/Facilities have been acquired during 2015-2016 Financial Year.

LIST OF EQUIPMENT ACQUIRED (OR ORDERS PLACED) DURING 2015-16 FINANCIAL YEAR

S. No	Instrument	Make & Model	Cost (in Rs. Lakhs)	Funds from	Applications
1	Universal Testing Machine (UTM)	Blue star WDW-100 S	62	Plan Grants (2015-16)	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
2	Flouresence Work station	Horiba Fluorolog-3-21	75	Plan Grants (2015-16)	Molecular and solid state Fluorescence emission can be monitored and quantum lifetime measurements can be evaluated. Materials in all states and biological samples can be investigated

3	5 KVA Online UPS System		0.78	Plan Grants (2016-17)	Hooked to the LC-HRMS facility
4	LCD PROJECTORS	OPTOMA EX 762	0.78	Plan Grants (2015-16)	Fixed to Training Hall for PPT and other presentations
5	UV-VIS-NIR Spectrometer	Agilent Tech. Cary 5000	40	Plan Grants (2015-16)	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.
6	Liquid Chromatograph-High Resolution Mass Spectrometer (LC- HRMS)	Agilent Tech. Q-TOF 6230	123	Plan Grants (2015-16)	Molecular structure of petroleum components, industrial products, pharmaceuticals, biomolecules can be judged. Purity of the finished chemical industrial products be established
7	HP Z620 Work Station	*MicroCare Technologies Intel*	5	Plan Grants (2015-16)	Fast Computing and for high speed graphics software installations and usage
6	Split Hopkison Pressure Bar System	Under Process	40	Plan Grants (2016-17)	
8	Modeling and stimulation softerware	Under Process	25	Plan Grants (2016-17	
9	Fourrier Transorm Infrared Spectrophotometer with Surface Diagnostic Accessories (FT-IR)	Under Process	20	Plan Grants (2016-17	
10	60 KVA Generator	Under Process	6	Plan Grants (2016-17	
11	Gas Lining	Under Process	10	Plan Grants (2016-17	Multiple gas lining from cylinders to various chambers
12	Continuous Growth Mercury Electrode(CGME)	BASi	6	Plan Grants (2016-17	
13	Electrochemical Cell for ESR Spectrometer(ESR-EC Cell)	JEOL	6	Plan Grants (2016-17	
14	Gas Cylinders (He, Ar, N_2, H_2, etc)	Under Process	5	Plan Grants (2016-17	Consumables for various pneumatic and gas based instruments
16	LED Projector for Training Hall	Under Process	1	Plan Grants (2016-17	To be used for another Training Hall
17	Diode-Arry UV-Vis-NIR Spectrophotometer With Surface and Fast Process-Study Accessories	Under Process	20	Plan Grants (2016-17	

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.

(c) The following activities have been conducted by the CAI during the Academic Year, 2015-2016

1. NMR Inauguration on 29.10.2015
2. One Day Workshop conducted on Raman Spectroscopy
3. One DayWorkshop conducted on ***"Infrastructural Facilities at CAI for Advanced Interdisciplinary Research (ISFACAIR)"***
4. One Day Workshop on "***Facilities of the CAI for Applications in Advanced Engineering and Scientific Research and Industrial Consultancy"***
5. GIAN Course on ***"Advanced Materials for Sustainable Energy and Storage"*** in association with the Department of Chemistry

CENTRE FOR INNOVATION AND INCUBATION

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

A. National Organisations:

S. No	Name of the Organisation	Signatory	Date Signed	Major Objectives of MoU
1	Pepsico India Holdings Pvt. Ltd. Haryana	D.Shiva Kumar, Chairman & CEO	4th November 2015	1. Guest Lectures 2. Research Projects 3. Internships 4. Placements etc.
2	ELICO Ltd., Hyderabad	Smt.Vanitha Datla, Executive Director	4th November 2015	1. Identifying and developing technology solutions in the areas of Water and Air Quality monitoring, Soil Testing and Waste Management 2. Into Development and upgrading of skills for both the teaching staff and students 3. To Funding agencies for carrying out R&D projects of mutual interest in the area of smart solutions 4. To create trained manpower for utilization by industries such as ELICO and similar industries 5. To provide opportunities for research interactions and industrial environment exposure for Ph.D students 6. To identify suitable projects and provide support for mutual benefit 7. To carry out joint research projects 8. Research projects at ELICO for Ph.D students 9. Joint Research Projects between ELICO and NITW

TEACHING-LEARNING CENTRE OF NIT WARANGAL:

The Teaching-Learning Centre **(TLC)** is being established at NIT Warangal with grants from the Ministry of Human Resource Development, Government of India under the scheme, 'Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching' (PMMMNMTT). Under this scheme a separate building for TLC with the state- of-art training facilities which include a studio for video recording of lectures is going to come up. Many senior and young faculty members across various departments of the Institute are associated with this center as members of the Core-Team.

One of the important objectives of the center is to conduct short term and medium term training programs for Newly Inducted Teachers, In-Service Teachers and Teacher-Aspirants in Science and Engineering disciplines, so as to enhance their skills.

Other activities of the TLC include preparation of e-learning materials, offering courses on-line, curriculum development, carrying out research in pedagogy and integrating ICT into teaching-learning process.

A Report of Activities of Teaching Learning Centre

1) **Construction of Permanent Building for TLC**

- Location of the building for the Teaching Learning Centre is finalized.
- Building plan is finalized and cleared by the Building Works Committee, the Finance Committee and the Board of Governors of NIT Warangal.
- The Building Construction Work is handed over to CPWD. It is at the stage of tendering process.

2) **Recruitment of Temporary Staff**

- Two Temporary staff members, One Research Fellow(Emeritus) and One Office Assistant are recruited in April 2016

3) **Temporary premises of TLC**

- Space to establish TLC temporarily has been recently allotted and it is ready for use

4) **Activities executed by Teaching Learning Centre, NIT Warangal from 19th November 2015 to 30th September 2016**

- Organized Pre-Conference Workshops of 7th IEEE International Conference on "Technology for Education" on 9th Dec.2015 (Total of 82 Participantsout of which 69 are from NIT Warangal)

- Organized 7th IEEE International Conference on "Technology for Education" during 10-12, Dec.2015. A total of 230 delegates attended. Out of these 53 faculty members and 69 scholars tudents are from NIT Warangal

- *Dr. K. Madhavi and Prof. I. A. K. Reddy (of CET/TLC) have presented a research paper titled "Technology Enabled Learning (TEL) to Improve Pronunciation in the Students of Professional Courses - A Study"*at the 7th IEEE International Conference on ***Technology for Education,*** held during 10-12, December 2015 at NIT Warangal

- Faculty members of NITW , One Core Group member, Research Fellow (Emeritus) of TLC participated in the twelve week Faculty Development Program on *"Use of ICT in Education for On-line and Blended Learning"* organized by Centre for Educational Technology of IIT Bombay and got trained.

- TLC Coordinator, Prof. I. A. K. Reddy has made the following contributions towards Faculty Development Programmesorganized by E& ICT Academy of NIT Warangal.

5) **Procurement of equipment**

- Quotations are received for procurement of Video Camera, Still Camera,LCD Projector, Desk top computer systems and Multi functional color printer. Purchase orders will be placed soon

- Information is being collected for the equipment and other infrastructure required for setting up state of the art **Studio** for recording of lectures and developing the on-line courses

6) **Procurement of books and journals**

- Request for acquisition of some important books from TLC funds has been put forward to the Central Library
- Request to subscribe to the *"Journal of Engg. Education"* (Pub. by American Society for Engineering Education) has been made
- Large number of research papers and other articles on teaching and learning have been collected to (i) foster pedagogy related research activities (ii) disseminate the information on teaching and learning among the faculty

7) **Other ongoing activities**

- Question papers of previous years have been collected:
  --To carry out research on assessment of desired learning outcomes through analysis of question papers
  --To analyze if all the domains of learning are addressed
  --To analyze the taxonomical levels achieved in cognitive domain
  --To suggest suitable interventions for enhancing the quality of higher education
- Web Page of TLC, NIT Warangal is under development

8) **Publication of e-News letter**

Efforts are on to bring out a quarterly e-news letter to:

- Share the best practices in Engineering and Science Education
- To publish original articles on different aspects of Teaching and Learning
- To disseminate information on forth coming events like workshops, National and International Conferences on Teaching and Learning

9) **Other Planned / proposed Activities**

- Setting up of studio and Computer Laboratory in TLC.
- Carrying out research in pedagogical and evaluation methods
- Evolving Curricula in some courses of Engineering and Science Programs that meet Global standards
- Developing learning materials and open educational resources for Engineering and Science education at U.G and P.G levels.
- Making Lab Manuals of various courses available on-line
- Developing on-line courses in Higher Technical Education
- Video capturing of some important lectures and making them available on-line as open educational resources
- Networking with IIT Bombay. IIT Madras, IIT Kharagpur, NITTTR Chennai, NITTTR Bhopal, NITTR Chandigarh, NAARM and Academic Staff Colleges located in Hyderabad (OU,HCU and JNTUH) in carrying activities of TLC
- Organizing programmes on ***Teaching and Learning*** at different higher education institutions in Telangana and Andhra Pradesh in collaboration with those institutions.

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, 2015-2016:

1. a) Programs for Faculty Development					
Sl No	Details	Department	From Date	To Date	Coordinator
1	Four days "PAN NIT Alumni Association - meeting"	Civil Engineering	28.03.2015	29.03.2015	Prof CSRK Prasad
2	Department of CSE has organized 4th International Conference on Big Data Analytics 2015 at Golconda Hotel, Hyderabad	Computer Science and Engineering	16.12.2015	18.12.2015	Prof DVLN Somayajulu

1. b) Programs attended by NITW Faculty at other Institutes in India					
Sl No	Details	Department	From Date	To Date	Attended
1	To attend 3rd World Submit on Accreditation at New Delhi		18.03.2015	20.03.2015	Prof CSRK Prasad, Dr.C.B.Kameswara Rao, Dr.Naga Srinivasulu, Dr C B Rama Rao, Dr Ch Venkaiah and Dr T Sunil Kumar
2	To attend TEQIP-II Post Procurement Audit (PPR) meeting for the financial year 2015-16 at New Delhi	Central Stores	30.10.2015	31.10.2015	Sri S Chandrasekar
3	To give a presentation on the Appeal against the award of Provisional accreditation before the Appellate Aommittee of NBA at New Delhi	Chemical Engineering	03.07.2015	05.07.2015	Prof T Ramesh, Dr K Anand Kishore, Sri A Sarat Babu and Dr P V Suresh
4	To attend TEQIP-II Learning Forum workshop on Good Governance, Leadership and Management organized by the World Bank and NPIU at the India Habitat Centre, New Delhi		04.05.2015	05.05.2015	Prof T Srinivasa Rao, Director and Prof A Ramachandra Reddy

3. Programs attended/ Conducted for Students					
Sl No	Details	Department	From Date	To Date	Attended/Conducted
1	Students Research Mobility programme with Mitacs, Canada under the Project TEQIP-II by Kunal Choudhary Project Title "Cyber-Physical Security of the Smart Grid Institute Name "University of Toronto	Electrical Engineering	12 weeks		Foreign Visit by Students
2	Students Research Mobility programme with Mitacs, Canada under the Project TEQIP-II by Yeshwanth Sai Project Title "Effect of climate change on rivers and streams University Name "Western University - London"	Civil Engineering	12 weeks		Foreign Visit by Students
3	Students Research Mobility programme with Mitacs, Canada under the Project TEQIP-II by R Vishwanathan Project Title "Efficient Nano - Structured Electrocatalysts for Direct Ethanol Fuel Cells Institute Name "University of Ottawa	Chemical Engineering	12 weeks		Foreign Visit by Students
4	Students Research Mobility programme with Mitacs, Canada under the Project TEQIP-II by Kunal Choudhary Project Title "Cyber-Physical Security of the Smart Grid Institute Name "University of Toronto	Electrical Engineering	12 weeks		Foreign Visit by Students

TEQIP-II CoE – SUSTAINABLE ENERGY STUDIES

S.No.	Name	Department	Functionality in Project
1	NIT, Warangal	Inter – Disciplinary Team of 15 faculty members from 5 Departments of MED, EED, ChED, Physics, Chemistry	Under TEQIP-II, a Centre of Excellence on "Sustainable Energy Studies" was sanctioned for an amount of Rs.5.00 crore. An amount of Rs.2.00 crore was released in 2013-14

Report of Activities:

The following projects have been undertaken:

1. Design and Development of Biodiesel run CI methodology
2. Development of cost effective low and high temperature based PEM fuel cell systems for stationary and transportation applications.
3. Performance analysis of solar PV systems
4. Development solar thermal power system using nanofluids and phase change materials.
5. Developed cost-effective, efficient hybrid energy fed power converters.

- Nos. of publications in the thematic areas by the CoE members
  Journals : 33
  Conferences : 14
- Patent filed: "Partial replacement of platinum catalyst using non-noble functional nanoparticles prepared by the sonochemical approach" – Indian Patent Application No.5619/CHE/2015 A by Applicant: Director NIT Warangal.
  Investigators: Dr. Shirish Sonawane and others.

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.	C.B. Kameswara Rao	Professor	Ph.D. RECW	1992	Ferro cement Rural Technology
2.	K V Jayakumar	Professor	Ph.D IIT Kanpur	1993	Water Resources Engineering, Urban Water Management, Land and Water Management, Engineering Hydrology, Irrigation Management
3	N V Umamahesh	Professor	Ph.D RECW	1987	Water Resources Systems, Hydrology, Irrigation Management, Applications of Soft Computing Techniques
4	P. Anand Raj	Professor	Ph.D. (IIT Kharagpur	1982	Fuzzy Logic, Water Resources Systems, Decision Support Systems
5	D. Rama Seshu	Professor	Ph.D. RECW	1990	Fiber Reinforcement Concrete, Ferro Cement, Fracture Mechanics
6	G. Rajesh Kumar	Professor	Ph.D. RECW	1990	Pre Stressed Concrete High Strength Concrete
7	C.S.R.K. Prasad	Professor	Ph.D. RECW	1996	Transportation planning, highway and traffic engineering, pavement evaluation
8	Deva Pratap	Professor	Ph.D RECW	1992	Applications of geospatial technologies to geology
9	M. Chandra Sekhar	Professor	Ph. D RECW	1996	River Water Quality management, Waste Treatment, Environmental management
10	V.N.Kameswara Rao	Associate Professor	M.Tech RECW	1982	Hydrology, Fluid Mechanics
11	M. Sudhakar	Associate Professor	M. Tech. Annamalai	1993	Fiber Reinforced Concrete
12	E.Venkata Rathnam	Associate Professor	Ph.D. NITW	1996	Hydraulics and Water Resources Engineering
13	P. Hari Krishna	Associate Professor	Ph.D. RECW	1997	Environmental Geotechnics, Soil structure interaction, Expansive soils
14	V. Ramana Murty	Associate Professor	Ph.D. RECW	1997	Ground Improvement Techniques, Expansive Soils, Geosynthetics and Applications
15	P. Rathish Kumar	Associate Professor	Ph. D (India) Dr. Engg (Japan)	1997	High Performance concrete Ferro Cement
16	T.D. Gunneswara Rao	Associate Professor	Ph. D. RECW	1997	Fibre Reinforced Concrete Structural analysis
17	M. Heera Lal	Associate Professor	Ph.D NITW	1997	Recycled aggregates in Pavement applications, Geo-Environmental Engineering
18	K. Venkata Reddy	Assistant Professor	Ph. D IITB	2007	Applications of geospatial techniques for rural development, watershed modeling and climate change
19	Venkaiah Chowdary	Assistant Professor	Ph.D. IIT Madras	2008	Pavement design and evaluation,
20	S. Venkateswara Rao	Assistant Professor	Ph D JNTU, Hyd.	2008	Self compacting concrete, fiber reinforced concrete, nano materials
21	P. Hariprasad Reddy	Assistant Professor	Ph. D. IISc, B'lore	2008	Soil-pollutant interaction, Soil Stabilization, Contaminant Transport through Porous Media, Bioremediation.
22	K.V.R. Ravi Shankar	Assistant Professor	Ph.D. IITB	2012	Traffic Engineering, Traffic Flow Modeling and Simulation, ITS, Road Safety
23	D. Ravi Prasad	Assistant Professor	Ph.D., NIT W	2012	Concrete making materials, Structural health monitoring

24	Ajey Kumar Patel	Assistant Professor	Ph.D. IISc., B'lore	2012	Environmental Fluid Mechanics, Computational Fluid Dynamics, Wastewater Treatment
25	M. Shashi	Assistant Professor	PhD IIT Roorkee	2012	Advanced Surveying, Photogrammetry
26	K. Gopi Krishna	Assistant Professor	Ph.D. IIT Roorkee	2012	Structural dynamics
27	S. Shankar	Assistant Professor	Ph.D. NITW	2013	Pavement evaluation, Low Volume Roads, Highway Economics
28	Y. Navatha	Assistant Professor	Ph.D. NITW	2013	Remote Sensing and GIS
29	P. Venkateswara Rao	Assistant Professor	Ph.D. BITS Pilani	2013	Water and wastewater treatment, waste management
30	Rakesh J. Pillai	Assistant Professor	Ph.D. IITM	2013	Cyclic behavior of soilsConstitutive modeling of soilsSoft clay engineering
31	G. Kalyan Kumar	Assistant Professor	Ph.D. IITM	2013	Earthquake Geotechnics, Seismic microzonation, Soil Dynamics
32	M.V.N. Siva Kumar	Assistant Professor	Ph.D. IITM	2013	Elastic-Plastic fracture mechanicsto study the behavior ofdifferent structural components
33	Arpan Mehar	Assistant Professor	Ph.D IITR	2013	Traffic engineering, pedestrian flow behavior, highway engineering
34	T. Phanirama Tezeswi	Assistant Professor	Ph.D. USA	2013	Blast resistant structures

Department of Electrical Engineering

S.No	Name	Designation	Highest Degree (Univ/Instt)	Year joined (RECW/NITW)	Areas of Research
1	Sydulu Maheswarapu	Professor	PhD (Kakatiya University)	1980	Real Time power System studies, Distribution system studies, Artificial and Meta-heuristic techniques application in Power Systems, Smart Grid, Renewable Energy Resources
2	D.M. Vinod Kumar	Professor	Ph.D.	1981	Power Systems
3	D V S S Siva Sarma	Professor	PhD/ IITM	1992	Power System Protection,Power Quality, Condition Monitoring of Electrical equipment
4	N. Subrahmanyam	Professor	PhD,(Kakatiya University)	1981	Power Systems
5	Bhagwan Krishna Murthy	Professor	PhD/ IIT MADRAS	1999	WAVE ENERGY, DFIG
6	N.Vishwanathan	Professor	Ph.D. (IISc Bangalore)	1993	Power Electronics
7	V.T. Somasekhar	Professor	Ph.D. (IISc, Bangalore)	1993	Multilevel Inversion, Open-end winding Induction Motor Drives
8	N. V. Srikanth	Associate Professor	PhD NITW	1992	HVDC & FACTS, AI Techniques in power systems
9	S. Srinivasa Rao	Associate Professor	PH.D from NIT Warangal	1996	Power Electronic Drives, Renewable Energy Systems.
10	Ch. Venkaiah	Associate Professor	Ph.D in Electrical Engineering NIT Warangal	1993	Intelligent Transmission Management; Power System Deregulation; Power System Optimization; Artificial Intelligence Technique applications to Power Systems; Economics and Financing Renewable Energy Technologies; Power Procurement Strategy and Power Exchanges; Effectual Entrepreneurship and Technology based Entrepreneurship Development
11	Matam Sailaja Kumari	Associate Professor	PhD	1997	Power systems engineering
12	Nagu Bhookya	Asst. Professor	Ph D- Pursuing (Thesis Submitted) NIT-Warangal	2006	Power System Stability & HVDC
13	S. Porpandiselvi	Assistant Professor	Ph.D. (NIT Warangal)	2006	Power Electronics and Drives
14	P. Srinivasan	Assistant Professor	M.Tech, Ph.D Pursuing at NITW.	2012	MULTILEVEL INVERTERS

15	Chandrasekhar Yammani	Assistant Professor	M.Tech, Ph.D Pursuing at NITW.	/2012	Renewable energy resources in power systems, Optimization techniques
16	A.V.Giridhar	Assistant Professor	Ph.D. (IIT Madras)	2012	High Voltage Engineering, Condition Monitoring and Diagnosis of Insulation structure of Power equipments.
17	CH. RAMULU	Assistant professor	M.Tech, Ph.D Pursuing at NITW	2012	Integration of PV system with-Multilevel Inverters and its Applications
18	P. Suresh Babu	Assistant Professor	Ph.D (JNTU Hyderabad)	2012	Power System Protection
19	Udaya Bhasker Manthati	Assistant Professor	Ph.D.	2012	To work with DC-DC converter, energy storage systems, digital control techniques.
20	Sachin Jain	Asst. Prof.	Ph.D. (IIT-Bombay)	2012	Power Electronics
21	Narasimharaju B L	Asst. Professor	Ph.D	2012	Power Electronics - Converters, Applications to Drives, Grid Integration, Power Quality Issues etc.
22	A. Kirubakaran	Assistant Professor	Ph.D	2012	High Gain DC-DC Converters DC-AC Inverters Multilevel Converters Renewable Energy Sources and Grid Interface
23	G Siva Kumar	Assistant Professor	Ph.D	2013	Power Electronics applications to power system
24	Vinay Kumar T	Assistant Professor	Ph.D (NIT Warangal)	2013	Power Electronics and drives
25	D Sreenivasa Rao	Assistant Professor	Ph.D	2013	Power electronics and power quality
26	P. Chandrasekhar	Asst. Professor	Ph. D	2014	Renewable Energy Systems, Smart Controllers for Microgrid/Smart Grid Systems, Energy Management in Hybrid AC Microgrid Systems, Soft Computing Applications to Power Quality Problems

Department of Mechanical Engineering

S. No.	Name	Designation	Highest Degree (Univ / Instt)	Year Joined (REC / NITW)	Areas of Resear
1	R. V. Chalam	Professor	Ph.D IIT Kanpur	1981	Design, Dynam ematics
2	K. Madhu Murthy	Professor	Ph. D REC Warangal	1987	Entrepreneurship Biofuels
3	L. Krishnanand	Professor	Ph. D REC Warangal	1987	Industrial Engineering
4	C.S.P.Rao	Professor	Ph. D REC Warangal	1988	CIM, Modeling & Simulation
5	S. Srinivasa Rao	Professor	Ph. D IIT Bombay	1992	Two-Phase Flow, Biofuels
6	P. BangaruBabu	Professor	Ph. D IIT Madras	1992	Vibration Control Smart structures
7	C. Gururajarao	Professor	Ph. DIIT Madras	1992	Heat Transfer
8	A. Venugopal	Professor	Ph. D IIT Delhi	1989	Advanced Manufacturing
9	A. Neelakanteswara Rao	Professor	Ph. D IIT Kharagpur	1992	Operations Management
10	G. AmbaPrasada Rao	Professor	Ph. D REC Warangal	1996	IC engines, Alternate fuels
11	N. Selavaraj	Professor	Ph. D REC Warangal	1992	Simulation FMS, CNC machines
12	K.V. Sai Srinadh	Professor	BHU,Varanasi	1992	Mechanical Behavior of Materials
13	P. Ravi Kumar	Professor	Ph. D NIT Warangal	1992	I.C.Engines, Alternate Fuels
14	R. Narasimha Rao	Assoc. Professor	Ph. D MANIT, Bhopal	2008	Tribology

15	G. Venkateswara Rao	Assoc. Professor	M. Tech REC Waragal	1984	Machine Tools, Precision, Engineering
16	G. R. K. Gupta	Assoc. Professor	M. E. IISC, Bangalore	1987	Fluid Dynamics, CFD
17	I. Ashok Kumar Reddy	Assoc. Professor	M. Tech REC Waragal	1982	Welding, Manufacturing
18	V. Suresh Babu	Assoc. Professor	Ph. D IIT Delhi	1999	Design, Vibrations, Condition Monitoring
19	Adepu Kumar	Assoc. Professor	Ph. D Osmania University	2008	Friction Stir Welding
20	A. VeereshBabu	Asst. Professor	Ph. D Andhra University	2006	Alternate Fuels & Emissions
21	Y. Ravi Kumar	Asst. Professor	Ph. D Osmania University	2006	Rapid Prototyping
22	N. Venkaiah	Asst. Professor	Ph. D IIT Madras	2007	Metrology, Optimization
23	V. Vasu	Asst. Professor	Ph. D JNTU-HYDERABAD	2008	Nano materials, Mechatronics, Manufacturing
24	T. Sadasiva Rao	Asst. Professor	Ph. D NIT Warangal	1993	Manufacturing & Foundry
25	P. Subhash Chandra Bose	Asst. Professor	Ph. D NIT Warangal	2008	Machining of High Temperature Alloys
26	M. Joseph Davidson	Asst. Professor	Ph. D NIT Warangal	2008	Metal Forming Statistical Modeling
27	G. Naga Srinivasulu	Asst. Professor	Ph. D Andhra University	2008	PEM Fuel Cells, Heat Transfer
28	K. Kiran Kumar	Asst. Professor	Ph. D IIT Kharagpur	2012	Heat Transfer, Nano Fluid
29	V. Rajesh Khana Raju	Asst. Professor	Ph. D IIT Kharagpur	2012	Fluid Dynamics, CFD
30	K. Srikanth	Asst. Professor	Ph. D Florida International University, USA	2012	Piezoelectric Energy Harvesting
31	V. Hari Kumar	Asst. Professor	Ph. D IIT Kanpur	2012	CAD and Optimization
32	B. Satish Ben	Asst. Professor	Ph. D Andhra University	2013	Structural health monitoring
33	V. P. Chandra Mohan	Asst. Professor	Ph. D, IIT Delhi	2013	CFD, Drying
34	Syed Ismail	Asst. Professor	Ph.D / IIT Kharagpur	2013	Tribology, Lubrication, Surface Texturing, Nano-Tribology
35	Kanamani Subbu S.	Asst. Professor	Ph. D IIT Kanpur	2013	Micro Manufacturing, Laser Surface Treatment, Composite Fabrication and Machining, andAdditive Manufacturing.
36	D. Jayakrishna	Asst. Professor	Ph. D IIT Madras	2013	Solar Energy CFD
37	G. Raghavendra	Asst. Professor	Ph. D NIT Rourkela	2013	Materials, Composites, Tribology
38	P. Vamsi Krishna	Asst. Professor	Ph. D Andhra University	2014	Machining processes
39	Karthik Bala Subramanian	Asst. Professor	Ph. D	2014	Micro Scale Heat Transfer

Department of Electronics and Communication Engineering

S. No.	Name	Designation	Highest Degree (Univ / Instt)	Year Joined (REC / NITW)	Areas of Research
1	K.S.R Krishna Prasad	Professor	Ph.D IIT Bombay	1979	VLSI
2	N.V.S.N Sarma	Professor	PhD IIT Kharagpur	1990	Antennas, Wireless Sensor Network
3	M.V.Raghunadh	Associate Professor	M.E/M.Tech IIT Roorkee	1985	Image Processing, Communication systems
4	C.B. Rama Rao	Associate Professor	PhD IIT Kharagpur	1982	ADSP, Architectures and Algorithms DSP
5	K. Ravi Kishore	Associate Professor	M.Tech NIT Warangal	1985	Wireless Sensor Networks
6	S.K.L.V SaiPrakash	Associate Professor	M.Tech Kakatiya University	1992	Wire/Wireless Communication, WSN/IOT
7	P. Harikrishna Prasad	Associate Professor	M.E/M.Tech S.V. University	1993	Wireless Communication
8	B.Laxmi	Associate Professor	PhD IIT Kharagpur	1990	Digital system design, Embedded system Design, VLSI Architecture
9	N. BheemaRao	Associate Professor	PhD IIT Bombay	1993	On-Chip Inductors for RF circuits
10	T. Kishore Kumar	Associate Professor	PhD JNTU Hyderabad	1999	Speech Signal Processing
11	L. Anjaneyulu	Associate Professor	PhD NIT Warangal	1997	Radar Signal Processing, Antennas, Communications, Computer Networks, GPS System
12	K.V Sridhar	Associate Professor	M.E/M.Tech NIT Warangal	1997	BioMedical Signal Processing
13	T.V.K. HanumanthaRao	Associate Professor	M.E/M.Tech IIT Delhi	1992	Biomedical Signal Processing, VLSI
14	P. SreehariRao	Associate Professor	PhD NIT Warangal	1999	Analog and Mixed IC Design
15	A.PrakasaRao	Associate Professor	M.E/M.Tech Pondicherry University	1999	Communication Systems, Smart Antennas
16	P. Muralidhar	Associate Professor	M.E/M.Tech NIT Warangal	1997	Embedded Systems, FPGA based Digital Systems
17	P.Prithvi	Assistant Professor	M.E/M.Tech NIT Warangal	1997	Speaker Identification
18	V.Rama	Assistant Professor	M.E/M.Tech NIT Warangal	1999	Biomedical Signal Processing, Artificial Neural Networks, FPGA Implementations of SP Algorithms
19	J. Ravi Kumar	Assistant Professor	PhD NIT Warangal	2006	Signal Processing, Control System design
20	D. Vakula	Assistant Professor	PhD NIT Warangal	2006	Antennas, Communications Systems
21	K.Sarangam	Assistant Professor	M.E/M.Tech NIT Warangal	2006	Low Power Analog IC Design, Low Power/ Low Voltage ADC
22	S. Anuradha	Assistant Professor	PhD Andhra University	2008	Wireless Channel Modelling
23	V.V. Mani	Assistant Professor	PhD IIT Delhi	2008	Wireless Communication, Signal Processing

Department of Metallurgical and Materials Engineering

S. No.	Name	Designation	Highest Degree (Univ / Instt)	Year Joined (REC / NITW)	Areas of Research
1	M.K. Mohan	Professor	Ph.D, IT-BHU	1992	Extractive Metallurgy, Corrosion and Removal of heavy metal ions from waste process solutions
2	P.Surya Prakash Rao (Retired on 31-12-2015)	Professor	Ph.D, IT-BHU	1977	Process Metallurgy, Sulphide Metallurgy
3	G.V.S.Nageswara Rao	Professor	Ph.D, NITW	1996	Surface Engineering, Powder Metallurgy, Material Testing and Characterization and Thermomechanical Processing
4	P.Ravindar	Assoc. Professor	M.Tech, IT-BHU	1981	Foundry Metallurgy, Extractive Metallurgy
5	N.Narasaiah	Assoc. Professor	Ph.D, IIT-Kgp	2012	Deformation Behavior of Materials, Fatigue & Fracture, Failure Analysis
6	C. Vanitha	Asst Professor	Ph.D, IITB	2008	Texture
7	Asit Kumar Khanra	Asst. Professor	Ph.D, IITKgp	2008	Powder Metallurgy & Ceramics
8	V. Rangadhara Chary	Asst. Professor	M.Tech, IITK	2012	Phase Transformations, Nanomaterials
9	Ajoy Kumar Pandey	Asst. Professor	Ph.D, IITKgp	2013	Bioceramics, Powder Metallurgy, Shape Memory Alloys
10	Brahma Raju Golla	Asst. Professor	Ph.D, IITK	2013	Ultra High Temperature Ceramics, Structure-Property Correlation, Tribology of Materials
11	R.Arockia Kumar	Asst. Professor	Ph.D., KAIST, South Korea	2014	Shape memory alloys, Physical Metallurgy,Alloy development,Severe Plastic Deformation
12	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. R. C. Sastry (Retired on 29-2-2016)	Professor	PhD (NITW)	1981	Plate heat exchangers, Biomass gasification, Nano fluids, CFD
2	Y. Pydisetty	Professor	PhD (IIT Madras)	1996	Fluidization Engineering, Wastewater Treatment, microbial fuel cells, bioethanol production, fluidized bed drying
3	A. SaratBabu	Associate Professor	PhD (NIT Warangal)	1987	Modelling, Simulation & Optimization
4	A. VenuVinod	Associate Professor	PhD (NIT Warangal)	1996	Biological Wastewater Treatment, Fluidized bed Bioreactors, CFD, Heat Transfer using Nanofluids, Spout-fluid beds
5	K. Srivani	Associate Professor	PhD (NIT Warangal)	1996	Biochemical Engg.
6	Shirish H. Sonawane	Associate Professor	PhD (UDCT Jalgaon)	2012	Acoustic and hydrodynamic cavitations, Nanomaterial synthesis, Nanomaterials for energy storage devices, Waste water treatment using nanomaterials, Advanced polymeric coatings,Process intensification using micro reactors
7	K. Anand Kishore	Associate Professor	PhD (NIT Warangal)	1999	Environmental Engineering, Energy, Separation processes, Modeling and Optimization, Biochemical Engineering, Waste water treatment, Membrane separations, Reactive distillation, Chemical process equipment design, Pharmaceuticals and nanotechnology.
8	S. Srinath	Associate Professor	PhD (NIT Warangal)	1999	Thermal Conversion of biomass, catalysis, Biofuels, Microreactors, Process simulation
9	A. Seshagiri Rao	Associate Professor	PhD (IIT Madras)	2013	Process Dynamics and ControlPID TuningMultivariable ControlTime Delay SystemsNonlinear DynamicsModel Based ControlWaste water treatment
10	SrinuNaik S (On Lien)	Assistant Professor	PhD (NIT Warangal)	2008	Biological Denitrification of waste water, Modeling and simulation
11	T. Sunil Kumar	Assistant Professor	PhD (Univ. Notredam)	2012	Simulation of Corrosion, Microfluidics
12	P. V. Suresh	Assistant Professor	PhD (IIT Madras)	2012	Fuel Cells, Chemical Looping Combustion, Flow batteries, CFD, Modelling and Simulation
13	G. UdayBhaskarBabu	Assistant Professor	PhD (IIT Kharagpur)	2013	Modeling and Simulation, Energy Integration, Process Control
14	S. Murali Mohan	Assistant Professor	PhD (IIT Delhi)	2013	Flow Batteries, Fuel Cells, Membrane Separations and Membrane Synthesis and Characterization
15	V. Ramsagar	Assistant Professor	PhD (IIT Delhi)	2013	Process Scheduling, Heat Integration, Modelling, Simulation and Optimization
16	VidyasagarShilapuram	Assistant Professor	PhD (IIT Madras)	2013	Sustainable energy technologies, chemical reactor design and analysis, multiphase flows

Department of Computer Science & Engineering

S. N.	Name	Designation	Higest Degree (Univ/ Instt)	Year Joined (REC /NITW)	Areas of Research
1	T. Ramesh	Professor	PhD, Kakatiya University	1979	Optimization Techniques, Programming Languages, Parallel Computing
2	D.V.L.N. Somayajulu	Professor	PhD, IIT, Delhi	1988	Database management Systems Distributed Databases Data Warehousing and Data Mining,
3	B. B. Amberker	Professor	PhD,IISc	2007	Cryptography, Information Security, Secure Multi party Computation
4	S. G. Sanjeevi	Professor	PhD,IIT Bombay	1993	Neural Networks, Computational Intelligence, Machine Learning and Soft Computing
5	K. Ramesh	Associate Professor	PhD,NITW	1992	Architectures and Coding infrastructures in Computer Networked, Service-oriented, Distributed, Secured, Cluster and Cloud Computing Environments
6	Ch. Sudhakar	Associate Professor	PhDNITW	1999	Distributed Systems and Parallel Processing
7	R.B.V.Subramanyam	Associate Professor	PhDIIT KGP	2008	Data Mining and Data warehousing
8	S. Ravichandra	Assistant Professor	PhDNITW	1999	Software Engineering, Databases, Information Security
9	Raju Bhukya	Assistant Professor	NITW	2006	Bio-Informatics, Data Optimization, Data Compression, DNA Data Analysis
10	T. Ramakrishnudu	Assistant Professor	AU, Visakhapatnam	2006	Data Mining, Distributed Data Mining, Database Systems,
11	R. Padmavathy	Assistant Professor	HCU	2008	Cryptanalysis and Information Security
12	K. V. Kadambari	Assistant Professor	JNU	2012	Computational neuroscience, Modeling and simulation, Machine learning and Artificial Intelligence
13	U. S. N. Raju	Assistant Professor	JNTU Kakinada	2012	Computer Vision and Image Processing
14	P. V. Subba Reddy	Assistant Professor	NIT Trichy	2012	Algorithms and Graph Theory
15	Rashmi Ranjan Rout	Assistant Professor	IIT KGP	2012	Mobile Computing,Wireless Ad-hoc and Sensor Networks,Computer Networks, Distributed Computing, 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	Onkara Perumal P	Assistant Professor	M. Tech (WBUT, Kolkata) Ph.D pursuing NIT Warangal	2006	Bioinformatics, Sustainable Biofuels Development
2	K. Narasimhulu	Assistant Professor	Ph.D. (NITW)	2008	Environmental Biotechnology, Bio-fuels,
3	P.Sreenivasa Rao	Assistant Professor	Ph.D. (JNTUH)	2008	Stem Cell Engineering, Down Stream Processing
4	R.Satish Babu	Assistant Professor	Ph.D. (JNTUH)	2012	Modeling & simulation of bioprocesses, Bioinformatics
5	Rama Raju. B	Assistant Professor	Ph.D. (NITW)	2013	Metabolic Engineering, Biofuels & Bioenergy, Biomaterials technology
6	V.Kohila	Assistant Professor	Ph.D. (IITG)	2013	Gene therapy and Insights of Molecular pathogenesis, *In Silico* Biology
7	Prakash saudagar	Assistant Professor	Ph.D. (IITG)	2013	Molecular and Biochemical Parasitology
8	Asimi Bikas das	Assistant Professor	Ph.D. (IITG)	2013	Signaling Pathways in Cancer, Network Biology,
9	Urmila Saxena	Assistant Professor	Ph.D. (IITG)	2013	Nano biotechnology , Medical Biosensors
10	Amitava Bandhu	Assistant Professor	Ph.D. (Bose Institute)	2013	Gene regulation in Mycobacteria, Characterization of transcription factors
11	K Divakar	DST Inspire Faculty	Ph.D. (Anna University)	2015	Metagenomics

School of Management

S. No.	Name	Designation	Highest Degree (Univ / Instt)	Year Joined (REC / NITW)	Areas of Research
1	M.Ravindar Reddy	Associate Professor	MA Economics, Ph.D	1991(PDF)	Economics & Finance
2	R.Mohan	Associate Professor	M.Com, MBA	1992	Finance
3	K.Padma	Associate Professor	MA Economics,Ph.D	1996	Economics & Finance
4	P.Ramlal	Assistant Professor	MBA, Ph.D	2006	Human Resources & Training and Development
5	G.Sunitha	Assistant Professor	MBA, Ph.D	2006	Equity Investment
6	Ritanjali Majhi	Assistant Professor	MBA, Ph.D	2008	Marketing
7	S.L.Tulasi Devi	Assistant Professor	M.Com, MBA, Ph.D	2008	Finance
8	K.Francis Sudhakar	Assistant Professor	MBA, Ph.D	2012	Marketing

Department of Mathematics

S. No.	Name	Designation	Highest Degree (Univ / Instt)	Year Joined (REC/NITW)	Areas of Research
1	G. Radhakrishnamacharya	Professor	Ph.D, IIT Kharagpur	1984	Bio-Fluid Mechanics
2	Y.N. Reddy	Professor	Ph.D, IIT Kanpur	1992	Numerical Analysis
3	K.N.S. Kasivishwanadham	Professor	Ph.D, IIT Bombay	1991	Numerical Analysis
4	J.V.Ramana Murthy	Professor	Ph.D. NIT Warangal	1993	Fluid Mechanics
5	Debashis Dutta	Professor	Ph.D, IIT Kharagpur	1993	Operations Research
6	D.Srinivasacharya	Associate Professor	Ph.D. NIT Warangal	1999	Fluid Dynamics
7	P. Muthu	Associate Professor	Ph.D, IIT Kanpur	2008	Biomechanics, CFD
8	J. Pranitha	Assistant Professor	Ph.D. NIT Warangal	2006	Fluid Dynamics
9	R.S. Selvaraj	Assistant Professor	Ph.D. IIT Madras	2007	Algebraic Coding Theory
10	H.P. Rani	Assistant Professor	Ph.D Anna University, Chennai	2008	Computational Fluid Dynamics
11	A. Benerji Babu	Assistant Professor	Ph.D. Osmania University	2008	Geo Physical Fluid Dynamics
12	D. Bhargavi	Assistant Professor	Ph.D, IIT Kharagpur	2012	Fluid Dynamics
13	T. Kurmayya	Assistant Professor	Ph.D. IIT Madras	2012	Functional Analysis/ Linear Algebra
14	Ch. Ramreddy	Assistant Professor	Ph.D. NIT Warangal	2013	Fluid Dynamics; Computational Method

Department of Physics

S. No.	Name	Designation	Highest Degree (Univ / Instt)	Year Joined (REC / NITW)	Areas of Research
1	S.V.S. Ramana Reddy	Professor	Ph. D, Andhra Univ.	1986	Nuclear Physics and Polymer Materials
2	L. Ramgopal Reddy	Professor	Ph. D, REC-Warangal	1987	Medical Instrumentation & Super Capacitors
3	M. Sai Shankar	Professor	Ph. D, REC-Warangal	1986	Applied Optics
4	R. L. N. Sai Prasad	Professor	Ph. D, REC-Warangal	1986	Applied Optics
5	K.Venugopal Reddy	Assoc. Professor	Ph. D, Hyd. Central Univ.	1992	Materials Science, Condensed Matter Physics
6	B. Sobha	Assoc. Professor	Ph. D, IIT Madras	1992	Sensors, Transducers and Related Instrumentation
7	D. Dinakar	Assoc. Professor	Ph. D, Kakatiya University	1995	Electronics, Photonic Sensors
8	T. Venkalappa Rao	Asst. Professor	Ph. D	2008	Materials Science, Electronics Fiber optic sensors
9	P. Syam Prasad	Asst. Professor	Ph. D	2008	Bio-glasses
10	P. Abdul Azeem	Asst. Professor	Ph. D, Sri Krishnadevaraya University	2008	Materials Science (Glass science, Bio Glass ceramics, Nanophoshpors)
11	Sourabh Roy	Asst. Professor	Ph. D, IIT Kharagpur	2012	Photonics
12	K. Thangaraju	Asst. Professor	Ph. D, Anna University, Chennai	2013	Organic semiconductors and devices: OLED's, Organic solar cells, Organic thin film transistors (OTFT's)
13	Kusum Kumari	Asst. Professor	Ph. D, IIT Delhi	2013	Organic Solar Cells
14	D. Paul Joseph	Asst. Professor	Ph. D, University of Madras	2013	Thin films, Magnetic nanomaterials, Spintronics, Solar cells & Electrochromism
15	V. Jayalakshmi	Asst. Professor	Ph. D, Centre for Nano & Soft Matter Research, Bangalore	2014	Photo induced phase transitions, Microfluidics, Confinement & geometric effects, Chromonics 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 (Retired on 31.1.2016)	Professor	Ph.D, BHU	1995	Corrosion Science, Environmental Chemistry
2	A. Ramachandraiah	Professor	PhD (University of Hyderabad)	1985	• Coordination Chemistry • Electrochemistry
3	G.V.P. Chandramouli (Retired 30.6.2016)	Professor	Ph.D. (Kakatiya University)	1977	Organic Synthesis
4	I.Ajit Kumar Reddy	Professor	Ph. D (IIT Kanpur)	1981	Physical Chemistry, Catalysis
5	P.Nageswara Rao	Professor	Ph.D. (Kakatiya University)	1980	Analytical Chemistry (Instrumental Methods of Analysis)
6	K.Laxma Reddy	Professor	M.Sc, PhD Kakatiya University	1987	Coordination Chemistry/ Environmental Chemistry
7	V. Rajeshwar Rao	Professor	Ph.D	1995	Synthetic Organic Chemistry

8	K. V. Gobi	Associate Professor	Ph. D. (Madurai Kamaraj University, Tamilnadu, India). D. Engg. (Tokyo Institute of Technology, Japan)	2008	Electrochemical Biosensors, Fuel Cell Electro- catalysts, Molecular Imprinted Materials
9	P. V. Srilakshmi	Associate Professor	Ph.D	2006	Bio-organic Chemistry
10	N. Venkatathri	Assistant Professor	Ph.D. (National Chemical Laboratory, Pune)	2008	Advanced Materials, Heterogeneous Catalysis and Biomaterials
11	Vishnu Shanker	Assistant Professor	PhD	2008	Materials Science
12	D. Kashinath	Assistant Professor	PhD, IIT Bombay, Powai, Mumbai	2012	Organic Synthesis
13	K. Hari Prasad	Assistant Professor	Ph.D	2013	Synthetic organic chemistry
14	B. Srinivas	Assistant Professor.	Ph.D.	2013	Organic synthesis, Supramolecular chemistry, Crystal engineering and Polymorphism

Department of Humanities & Social Sciences

S. No.	Name	Designation	Highest Degree (Univ / Instt)	Year Joined (REC / NITW)	Areas of Research
1	D.S.Kesava Rao	Professor of English	Ph.D., SV University, Tirupati	1990	British and Commonwealth Literature and ELT, Teacher Development
2	M.R.Vishwanathan	Assistant Professor	Ph.D., Osmania University	2012	1. ELT 2. Literature (British/American)
3	K.Madhavi	Assistant Professor	Ph.D., (OU)	2013	English Language Teaching, Academic reading and Writing, Educational Technology

Department of Physical Education

S. No.	Name	Designation	Highest Degree (Univ / Instt)	Year Joined (REC / NITW)	Areas of Research
1.	R. Dayanidhi	Associate Professor	Ph.D Kakatiya Univ	1992	Training Methods
2	P. Madhusudan Reddy	Associate Professor	Ph.D PI Ravishankar Univ.	1992	Sports Psychology
3	P. Ravi Kumar	Associate Professor	Ph.D SKU	1992	Exercise Physiology

3. 2 Non-Teaching Staff

a. Administrative & Other Officers

S.No.	Name	Designation	Dept../Sec.
1.	Prof. M. Chandra Sekhar	Registrar I/c.	
2.	Dr. R.B.V. Subramanyam	Associate Dean (Academic)	Academic
3.	Dr. M. Ravinder Reddy	Associate Dean (Accounts)	Accounts
4.	Dr. D. Dinakar	Associate Dean (Admin)	Administration
5.	Dr. R. Narsimha Rao	Associate Dean (Academic-UG)	Academic
6.	Sri V.N. Kameswara Rao	Associate Dean (Examinations)	Academic
7.	Sri T. Paul	Asst. Registrar (Acad) (Officiating)	Academic
8.	Sri P. Krishna Rao	Asst. Registrar (on Contract)	Administration
9.	Sri R. Sammi Reddy	Librarian	Central Library
10.	Sri G. Ramesh	Executive Engineer	P.E. Office
11.	Sri R. Veeraswamy	Sr. Technical Officer	MED
12.	Sri K.Yella Swamy	Technical Officer	MED
13.	Sri S. Chandrasekhar	Asst. Registrar	Central stores
14.	Sri P. Mohan	Principal Technical Officer	Computer Centre
15.	Dr. K. Tirupathi Reddy	I/c Medical Officer (on Contract)	Dispensary

b. Non-Teaching Staff

S.No.	Name & Designation
	SUPERINTENDENT SG-II
1.	Gurupathy B (from 28-01-2016)
	SUPERINTENDENT
1.	Paul T, A.R. (Officiating) up to 22-12-2015
2.	Raju G (up to 27-01-2016)
3.	Gurupathy B (up to 27-01-2016)
4.	Samel P
5.	Samba Murthy M
6.	Sudhakar M
7.	Zafar Md
8.	Gopinath R
9.	Quraishi A.A
	ASSISTANT (SG-II)
1.	Shyamala J
2.	Parasuramulu R
3.	Sridhar Rao M
4.	Bhasker J
5.	Prakasa Rao Ch.S
6.	Venkateswarlu S
7.	Jai Singh A
8.	Dilip Kumar T
9.	Prem Kumar P
10.	Narender V
11.	Srinivas Rao K
12.	Suresh V (from 28-01-2016)
13.	Aliullasha Khader Md (from 28-01-2016)
14.	Mahesh Kumar Y (from 28-01-2016)
	SENIOR ASSISTANT
1.	Suresh V (up to 27-01-2016)
2.	Aliullasha Khader Md (up to 27-01-2016)
3.	Mahesh Kumar Y (up to 27-01-2016)
4.	Hymavathi P
5.	Veda Prakash G
6.	Srinivas R
7.	Dayakar P
8.	Bhaskar T
9.	Someshwar Rao A
10.	Ms. Husna
11.	Padmaja G
12.	Kiran Kumar A
13.	Ashwin Kumar D
14.	Dr. Nanu Lunavath
15.	Indira Priyadarshini B
16.	Srinivas T
17.	Dr. Mangilal B (from 28-01-2016)
18.	Rajanna M (from 28-01-2016)
19.	Jagadeesh Kumar A (from 28-01-2016)
	TECHNICAL ASSISTANT
1.	Samson B (up to 27-01-2016)
2.	Rangilal B (up to 27-01-2016)
3.	Ramesh K
	TECHNICIAN (SG-I)
1.	Chandra Narayana A (up to 27-01-2016)
2.	Vijay Kumar K (up to 27-01-2016)
3.	Anand Singh K (up to 27-01-2016)
4.	Mahendra Kumar K (up to 27-01-2016)
5.	Sunil Kumar D (up to 27-01-2016)
6.	Devender B (up to 27-01-2016)
7.	Siddiramulu T
8.	Srinivas B
9.	Kumaraswamy G
10.	Suryanarayana T
11.	Harinath N

S.No.	Name & Designation
	SENIOR SUPERINTENDENT
	Raju G (from 28-01-2016)
	ASSISTANT (SG-I)
1.	Prakash S S
2.	Mahabul D (Rtd. on 29-02-2016)
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.	Kiran Kumar T
12.	Sadar Lal M
13.	Afzal Md.
14.	Nagender Rao K
	JUNIOR ASSISTANT
1.	Dr. Mangilal B (up to 27-01-2016)
2.	Rajanna M (up to 27-01-2016)
3.	Jagadeesh Kumar A (up to 27-01-2016)
4.	Ramesh D
5.	Vara Prasad A
6.	Bhaskar P
7.	Shoukat Ali Md.
8.	Rajendra Prasad P
9.	Suresh kumar. M
10.	Srinivas J
	SENIOR STENOGRAPHER
1.	Renuka D
2.	Ashok Kumar P
	TECHNICAL ASSISTANT SG-II
1.	Rameeja Bee K
	SENIOR TECHNICAL ASSISTANT
1.	Karuna Rani M
2.	Aparna T
3.	Govinda Rao D
4.	Padma Sri K. S. S. S.
5.	Gnaneshwar D
6.	Umamaheswar Rao P
7.	Sudarshanam B
8.	Samson B (from 28-01-2016)
9.	Rangilal B (from 28-01-2016)
	ASST. ENGINEER
1.	Sardar Singh M
	TECHNICIAN (SG-II)
1.	Ravinder K
2.	Sudhakar V
3.	Purushottam K
4.	Ramchander Y
5.	Parasu Ramulu K
6.	Sudhakar N
7.	Venugopal S
8.	Srinivasulu N
9.	Ravinder R
10.	Ravi S
11.	Veeranna T
12.	Balaswamy T
13.	Veerender V
14.	Chandra Narayana A (from 28-01-2016)
15.	Vijay Kumar K (from 28-01-2016)
16.	Anand Singh K (from 28-01-2016)

12. Chandra Murthy V
13. Nagabhushanam A
14. Savvaiah G
15. Rasheed Md
16. Narasimha M
17. Venkateswarlu V
18. Ramesh K(Jr.)
19. Laxman A
20. Veeranna T

CARE TAKER-CUM-RECEIPTIONIST

1. Jayanth G (Rtd. on 31-10-2015)

MECHANIC 'A' GRADE

1. Sanjiva Rao V (Rtd. on 31-08-2015)

TECHNICIAN (UPGRADED)

1. Ramesh J
2. Yellaiah N
3. Kondaiah P (Rtd. on 31-07-2015)
4. Srinivas A
5. Veeraiah P
6. Saraiah G
7. Ilaiah B
8. Jumani L
9. Rajaiah A
10. Takur B
11. Komuraiah S
12. Ilaiah P(Jr.)
13. Komuraiah K (Jr)
14. Veeraswamy(Jr.) G
15. Hajia D
16. Komuraiah A (Rtd. on 31-07-2015)
17. Dayakar Y
18. Yadamma V
19. Nagamani V
20. Hussain Md
21. Afzal Md
22. Saraiah P
23. Yadimallu P
24. Laxmaiah B (Rtd. on 31-03-2016)
25. Murali Krishna K
26. Laxmi T
27. Palaiah P
28. Ramulu B
29. Venkatamma K
30. Rajamma J
31. Rajanna J
32. Ilaiah R
33. Shankariah M
34. Sajeeda Khatoon
35. Surayya B
36. Jayasri B
37. Pratap G
38. Murali G
39. Saraiah G
40. Venkataiah T
41. Yadagiri C
42. Veeraiah K
43. Sailu T
44. Yakaiah J
45. Yakub B
46. Komuraiah A
47. Ilaiah T(Jr)
48. Kumara Swamy A

17. Mahendra Kumar K (from 28-01-2016)
18. Sunil Kumar D (from 28-01-2016)
19. Devender B (from 28-01-2016)

SENIOR TECHNICIAN

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

JUNIOR ASSISTANT (UPGRADED)

1. Bhaskar M
2. Saraiah K (Rtd. on 31-10-2015)
3. Sambaiah N
4. Sivaprasad V
5. Rajamouli K
6. Devendra K
7. Anandam G
8. Ramesh Babu Ch
9. Kishore Kumar N
10. Akbar Md
11. Heerulal P
12. Bikshapathy Y
13. Tara Bai B (Rtd. on 31-05-2015)
14. Farooq Azam Md
15. Narayana. G
16. Kamala K
17. Kumar Swamy M
18. Krishna Veni P
19. Rajender K
20. Somaiah G
21. Sambaiah G
22. Sanjeevaiah K
23. Balaji Singh T
24. Gouri Shankar G
25. Sambaiah A
26. Tirupathi B
27. Srihari G
28. Inqushaf Ali Md.
29. Sridhar Kumar G
30. Devadas T
31. Ramesh V
32. Abdul Gaffar Md
33. Ravinder M
34. Eshwar P
35. Bikshapathy A
36. Narasimhulu N
37. Mallikarjun K
38. Srikanth P
39. Narasaiah J
40. Aruna Mary D
41. Shaheen Begum
42. Zaheeruddin Md.

C. Hostel Employees

CARETAKER SG-I

1. Venkateswarlu E
2. Dasthagir Md
3. Vaikuntam K
4. Komaraiah J
5. Beeraiah G
6. Mahboob Md
7. Maqbul Jani Md
8. Mohd. Ameer
9. Nageshwar Rao.G
10. Venkataswamy N
11. Shankaraiah K
12. Sammaiah P
13. Kanakaiah A
14. Saraiah A
15. Laxmaiah G
16. Ilaiah M
17. Kanakaiah K
18. Babu Rao M
19. Ramulu .N
20. Ilaiah A
21. Komaraiah N
22. Ilaiah(Sr) T

CARETAKER SG-II

1. Ialiah G
2. Krishna Swamy N
3. Sambaiah G
4. Chandru G
5. Sadanandam B
6. Kumara Swamy B (from 28-01-2016)
7. Yellaiah S
8. Azeez Khan Md
9. Raju K
10. Sambaiah Gillapally
11. Ramulu N
12. Afzal Pasha. Mohd (from 28-01-2016)
13. Sammaiah P
14. Sailu K (Rtd. on 31-12-2015)
15. Mondaiah Ch

SENIOR CARETAKER

1. Jayaraj K
2. Ravi. M
3. Venkatamma B
4. Tirupathi T
5. Lal G
6. Kumara Swamy. K
7. Kumar. P
8. Kumar. B
9. Kumara Swamy.G
10. Sadanandam .B
11. Sailu E
12. Sammaiah N
13. Cheralu M
14. Veeraiah K
15. Prasad S
16. Venkataiah K
17. Damodar Reddy V
18. Suvarna.N
19. Nirmala.R
20. Ramesh.T
21. Kumara Swamy B (up to 27-01-2016)
22. Afzal Pasha. Mohd (up to 27-01-2016)

ASSISTANT COOK

1. Sivalingaiah K (Rtd. on 30-06-2015)

SUPPLIER

1. Jaffer M A (Rtd. on 31-05-2015)

SWEEPER

1. Ejjagiri G (Rtd. on 30-06-2015)

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	3 day Executive Development Training Programme on "Innovative Technologies for Low Volume Roads" to the Engineers of PRED of AP & TS	20.04.15	22.04.15	Field Engineers, Government of Andhra Pradesh and Telangana (30)	TEQIP	Dr. C.S.R.K. Prasad, Dr. Venkaiah Chowdary, Dr. S. Shankar
2	3 day Executive Development Training Programme on "Innovative Technologies for Low Volume Roads" to the Engineers of PRED of AP & TS	23.04.15	25.04.15	Field Engineers, Government of Andhra Pradesh and Telangana (50)	TEQIP	Dr. C.S.R.K. Prasad, Dr. Venkaiah Chowdary, Dr. S. Shankar
3	Transportation Young Researchers Symposium (TYRES 2015)	10.05.15	15.05.15	M.Tech and PhD students in transportation engineering (60)	TEQIP	Dr. C.S.R.K. Prasad, Dr. Venkaiah Chowdary, Dr. S. Shankar Dr. Arpan Mehar Dr. P.S. Bhushan
4	National Conference on "Climate Change and Sustainable Water Resources Management" CSWM-2015.	03.09.15	05.09.15	Researchers and Faculty	ISH, Pune and DST	Dr. E Venkata Rathnam
5	Workshop on Skill Development	09.10.15	-----	Researchers, Faculties in various engineering and science streams	TEQIP	Dr. C.S.R.K. Prasad
6	Short Term Course on "Urban Flood Modelling"	10.12.15	12.12.15	Faculty, Research Scholars & Field Engineers	ITRA	Prof. N V Umamahesh
ELECTRICAL ENGINEERING DEPARTMENT:						
1	The 7th IEEE International Conference on Technology for Education	10.12.15	12.12.15	Colleagues interested in promoting learning and teaching through the use of technology and sharing the latest research results in this emerging interdisciplinary area.	IEEE	General Chair – Prof.D.V.L.N.Somayajulu, Publication Chair - Prof. D V S S Siva Sarma
2	Digital Signal Processor Controlled Power Electronic Converters & Drives (DSPEC-2015)	28.09.15	30.09.15	For Industry (05), Faculty (46) and Research Scholars (21) Total: 72	DeitY, GOI, New Delhi	Prof. V.T. Somasekhar & Dr. S.Srinivasa Rao
3	FDP on Soft Skills	16.11.15	20.11.15	Faculty from AICTE recognized Engineering Colleges (15)	Electronics and ICT Academy, NIT Warangal	Dr Ch Venkaiah and Dr DVLN Somayajulu

ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT:						
1	ICT Tools	28.1.16	1.2.16	Self-Financed	-	Dr. L. Anjaneyulu
CHEMICAL ENGINEERING DEPARTMENT:						
1	Short term training program (STTP) on Process Intensification	18.12.15.	20.12.15	Students, Research scholars, Industry persons, Academicians	Continuing Education Programme (CEP)	Dr. Shirish sonawane& Dr. K. Anand Kishore
2	Short term training program (STTP) on advanced separation processes	5.2.16	7.2.16	Students, Research scholars, Industry persons, Academicians	Continuing Education Programme (CEP)	Dr. Shirish sonawane& Dr. K. Anand Kishore
3	GIAN course on "Membrane Separation Process: New Frontiers in Membrane Technology - Waste water and industrial effluent treatment "	14.3.16	18.3.16	Students, Research scholars, Industry persons, Academicians	MHRD, GIAN	Dr. Shirish Sonawane& Dr. K. Anand Kishore
4	GIAN course on " Sono Process Engineering"	22.2.16	26.2.16	Students, Research scholars, Industry persons, Academicians	MHRD, GIAN	Dr. Shirish Sonawane & S.Srinath
5	Short term training program (STTP) on advanced process control	7.3.16	11.3.16	Students, Research scholars, Industry persons, Academicians	Continuing Education Programme (CEP)	Dr.A.Seshagiri Rao Dr. G.Uday Bhaskar Babu
COMPUTER SCIENCE AND ENGINEERING DEPARTMENT:						
1	Introduction to Design of Algorithms	25.5.15	30.5.15	Faculty (41)	NMEICT project, MHRD, Govt. of India	Dr. P. Venkata Subba Reddy
2	Data Base Management Systems	17.8.15	27.8.15	Faculty (37)	DeitY, Ministry of C&IT, GoI	Dr.R.B.V Subramanyam
3	Pervasive and Mobile Computing	24.11.15	3.12.15	Faculty (46)	DeitY, Ministry of C&IT, GoI	Dr.Rashmi Ranjan Rout
4	Software Testing	20.12.15	24.12.15	Faculty (30)	DeitY, Ministry of C&IT, GoI	Dr.B.Raju
5	Software Engineering	28.12.15	8.1.16	Faculty (18)	DeitY, Ministry of C&IT, GoI	Prof. D V L N Somayajulu & V.Sreekumar, Infosys, Mysore
6	Machine Learning and Soft Computing	28.12.15	9.1.16	Faculty (42)	DeitY, Ministry of C&IT, GoI	Prof. S G Sanjeevi & Dr.K V Kadambari,
7	Theory of Computation	18.1.16	27.1.16	Faculty (31)	DeitY, Ministry of C&IT, GoI	Dr. U. S. N. Raju,
8	Parallel Computing	11.2.16	20.2.16	Faculty (40)	DeitY, Ministry of C&IT, GoI	Mr. Chapram Sudhakar, Dept of CSE, NIT Warangal & Dr. VCV Rao, C-DAC , Pune
9	Database Security	29.2.16	9.3.16	Faculty (15)	DeitY, Ministry of C&IT, GoI	Dr. Ravi Chandra Sadam
10	Algorithm Analysis and Design	22.2.16	26.2.16	Faculty (30)	DeitY, Ministry of C&IT, GoI	Dr. P. Venkata Subba Reddy & Dr. U. S. N. Raju
11	Security & Privacy	28.3.16	6.4.16	Faculty (28)	DeitY, Ministry of C&IT, GoI	Dr. Ravichandra Sadam & Dr. Rashmi Ranjan Rout
12	Information and Communication Technology Tools(MS Office)	28.1.16	1.2.16	Rayalaseema University Faculty (33)	E&ICT Academy-NIT Warangal	Mr. T.Ramakrishnudu

MATHEMATICS DEPARTMENT :						
1	STTP on Advanced Computational Methods in Engineering and Science	1.4.2015	3.4.2015	For faculty and research scholars (55)		D. Srinivasacharya & Ch Ram Reddy
2	STTP on Advanced Numerical Methods In Fluid Dynamics	17.4.15	19.04.15	For faculty and research scholars (55)		D. Srinivasacharya & J. Pranitha
3	Introduction to fuzzy logic and its applications	07.09.15	10.09.15	M.Tech/Ph.D Students of NIT Warangal	NIL	P Muthu
4	Short term training program on Contemporary Approaches of Applied Mathematics in Science and Engineering	11.5.15	15.5.15	Faculty and research scholars (50)	Self financed	Dr. H.P. Rani Prof. Y.N. Reddy
5	STTP on Symbolic Computing and Numerical Programming using Mathematica/ Mathlab	10.07.15	12.07.15	Faculty, Research Scholars, PG Students	Self Finance	D. Bhargavi & Prof. J. V. R. Murthy
6	STTP on Mathematical Modelling and Computational Technics	7.12.15	11.12.15	Research Scholars and Faculties	Self finance	Dr A Benerji Babu & Prof Y N Reddy
CHEMISTRY DEPARTMENT :						
1	One-Day Workshop on Rashtriya Avishkar Abhiyan	29.12.15	29.12.15	School Teachers (50)	Rajiv Vidya Mission	Prof. A. Ramachandraiah
2	One Day workshop on "Teaching in Physical Sciences"	7.1.16	-	High School Teachers (90)	Telangana Academy of Sciences	Prof. K. Laxma Reddy
3	One Day seminar on "Endowment Lectures"	19.1.16	-	Degree B.Sc Students (120)	Telangana Academy of Sciences	Prof. K. Laxma Reddy
4	One Day In-House workshop on the Utility and Operation of Instruments at CAI	10.3.16	-	Faculty and Research Scholars (50)	NITW	Prof. A. Ramachandraiah Co-Coordinator Prof. K. Laxma Reddy
BIOTECHNOLOGY DEPARTMENT :						
1	5 day National Workshop on Modeling, Simulation and Optimization of Bioprocesses	2.11.15	6.11.015	Teachers, Researchers, Industry persons 40	DBT	Dr.R.Satish Babu
2	Five-Day STTP on Computational Modeling of Bimolecules and Bioprocesses	14.12.15	18.12.15	Faculty & Scholars (22)	Self-Sponsored	Mr.Onkara Perumal P & Dr. K. Narasimhulu
3	National Workshop and Continuous Medical Education on Clinical Immunology: Past and Present	20.1.16	21.1.16	U.G, P.G , Ph.D Scholars and Young faculty, 270 participants	Immunology Society Immunology Foundation,	Dr. Rama Raju.B And Dr. P. Sreenivasa Rao
HUMANITIES AND SOCIAL SCIENCES DEPARTMENT						
1	Designing and Developing Flipped Classroom, e-Learning Instruction for Engineering and Science Education'	9.5.16	18.5.16	69 Faculty, Scholars, industrialists, trainers, from all disciplines across India attended the Course.	MHRD sponsored under GIAN	Dr. Madhavi Kesari

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	Symposium on "Indo-German Dialogue on Excellence in Research and Education"	14.10.15	----	Policy Makers & Planners; Researchers (25)	German Embassy, New Delhi	CSRK Prasad
2	7th IEEE International Conference on Technology for Education (T4E), NIT Warangal,	10.12.15	10.12.15	Faulty and Researchers	Under Pedagogy Project	P. Hari Prasad Reddy and Ajey Kumar Patel
3	RCUK Event on "Inspiring Change: Impact of UK-India Research Partnership	18.02.16	---	Researchers, Faculties from various institutes (35)	British Deputy High Commission Hyderabad	CSRK Prasad
4	International Conference on Smart Sustainable Cities	27.02.16	----	Researchers, Faculties from various institutes (60)	VRSE College, Vijayawada	CSRK Prasad
5	3rd World Summit on Accreditation (WOSA2016): "Quality Assurance through Outcome based Accreditation"	18.03.16	20.03.16	Policy Makers & Planners; Researchers (50)	NBA, New Delhi	CBKameswara Rao and CSRK Prasad
ii) National						
1	Workshop on Project Management for the uplift of Construction Industry	11.04.15		Policy Makers & Planners; Researchers (25)	Organized in collaboration with PMI-PCC, Hyderabad	CSRK Prasad
2	2nd Conference on Transportation Systems Engineering and Management (CTSEM)	01.05.15	02.05.15	Researchers, Consultants & Professionals (20)	NIT Tiruchirapally	CSRK Prasad
3	The Economic Times Road Safety Summit 2015: Panel Discussion on "Unleashing the Potential of Technology and Implementation of ITS System in India".	16.06.15	---	Policy Makers & Planners; Researchers (20)	GOI, New Delhi	CSRK Prasad
4	18th Selection Committee Meeting for Empanelment of NQMs,	03.07.15	---	Researchers and Consultants (24)	NRRDA, MoRD, New Delhi	---
5	Water and Wastewater treatment: Recent Advances	21.07.2015	25.07.2015		IIT R	P. Venkateswara Rao
6	Bhuvan Overview	30.09.15	01.10.15	Researchers & Consultants	ISRO-NRSC	KVR Ravi Shankar
7	Two day National Conference on Advances in Transportation Applications	16.10.15	17.10.15	Policy Makers & Planners; Researchers (35)	PVPSIT, Vijayawada	----
8	1st PRSG meeting for the project on "Safety Alert Systems using Dedicated Short Range Communication for on Road Vehicles"	12.11.15	----	Policy Makers & Planners; Researchers (25)	C-Dac Hyderabad & C-DAC Hyderabad	----
9	Indo-Global Education Summit	15.11.15	----	Policy Makers & Planners; Researchers (100)	GOI Hyderabad	--

10	Second Seminar on Mobility and Metropolitan Strategies: Public Transport, Mobility and Metropolitan Strategies: Building an integrated public transport network in Hyderabad	28.11.15	----	Policy Makers & Planners; Researchers, faculties (50)	Ministry of Foreign Affairs and External Action, Bordeaux Metropole & CODATU	---
11	T4E Preconference Seminar on Role of ICT in Teaching & Learning in Higher Education	09.12.15	---	Policy Makers & Planners; Researchers, faculties (150)	IEEE and TEQIP, NIT Warangal	---
12	Workshop on Effective Teaching – Learning using Visualizations	09.12.15	---	Policy Makers & Planners; Researchers, faculties (30)	IEEE and TEQIP, NIT Warangal	
13	7th IEEE International Conference on Technology for Education	10.12.15	12.12.15	Researchers and faculties	IEEE and TEQIP, NIT Warangal	P. Hari Prasad Reddy, Ajey Kumar Patel, CSRK Prasad
14	50th Indian Geotechnical Conference (GIFT), Pune.	17.12.15	19.12.15	Faculty, Researchers and Consultants	Under DST Project	P. Hari Prasad Reddy
15	Third Conference of "Transportation Research Group of India"	17.12.15	20.12.15	Researchers, consultants and faculties	Transportation Research Group of India,Kolkata,	
16	IRC 76th Annual Session at Indore, Madhya Pradesh	18.12.15	22.12.15	Transportation professionals	Indian Road Congress New Delhi	---
17	3-day workshop on "Sustainable Technologies in Civil Engg.: Perspectives and Strategies (STEP2015)"	30.12.15	02.01.16	Researchers and faculties	Gokaraju Rangaraju College of Engg., Hyderabad	---
18	Workshop on "Telangana State Assessment of PMGSY Report"	21.01.16	----	Field Engineers, Government of Telangana	GOI Hyderabad	---
19	Workshop on "Indian Roads Congress New Flexible Pavement Design (IRC-37-2012) Implementation and Bituminous Mix Design"	20.02.16.	---	Researchers and faculties	GMR Pavement Research Centre, GMR Infrastructure Ltd., Hyderabad.	
ELECTRICAL ENGINEERING DEPARTMENT:						
National						
1	Short term course on Digital Signal Processor Controlled Power Electronic Converters & Drives	28.09.15	30.09.15	Teachers and Industry Participants	under NaMPET by CDAC Trivandrum	Dr. S.Srinivasa Rao & Prof. V T Somasekhar
2	Nature Inspired Computing for Engineering Applications	06.04.15	08.04.15	Researchers, Academicians and Industrial Practitioners at IISc, Bangalore (Around 65)	Self Financed	Prof R Padhi Associate Professor, IISc, Bangalore
3	Grid Integration of Renewable Energy Sources	18.04.15	19.04.15	Researchers, Academicians and Industrial Practitioners at IIT Delhi (Around 50)	Self Financed	Prof. Sukumar Mishra, Professor IIT Delhi

4	Conference Organizers Workshop (COW) 2015	25.04.15	25.04.15	Researchers, Academicians connected with IEEE at TCS, Hyderabad (Around 60)	Self Financed	Deepak Mathur Chair IEEE India Council, Amit Kumar General Chair COW 2015
5	Optimization and Game Theory: From Basic to Latest Trends	15.06.15	19.06.15	Researchers, Academicians and Industrial Practitioners at IIT Bombay	Continuing Education & Quality Improvement Programmes (CE & QIP)	Ankur A Kulkarni, Assistant Professor, IIT Bombay
6	Massive Open Online Courses (MOOCS) – MOODLE platform for Enhanced Learning	17.07.15	18.07.15	Faculty at NIT Warangal	Electronics and ICT (E&ICT) Academy, NIT Warangal	Dr DVSS Siva Sarma, Workshop Coordinator &Dr DVLN Somayajulu Chief Investigator, E&ICT Academy, NIT Warangal
7	Mentor Development Programme	10.02.16	11.02.16	Entrepreneruship Development Trainers	BYST, Hyderabad	CII and TASK, Hyderabad
8	3rd World Summit on Accreditation (WOSA – 2016)	18.03.16	20.03.16	For all in the pursuit of quality education - To facilitate free discussion on subjects in concern to best practices in accreditation and means to improve quality of education by bringing together Eminent Speakers from Industry, Corporate and Academia from India and overseas	Self-Financed through TEQIP	NBA, New Delhi and MHRD, New Delhi
9	Digital Signal Processor Controlled Power Electronic Converters & Drives	28.09.15	30.09.15	Faculty & industry	NaMPET	Dr. S. Srinivasa Rao and Prof. V.T. Somasekhar
MECHANICAL ENGINEERING DEPARTMENT:						
National						
1	A Five Day Continuing Education Program on "3D Printing Experience"	May 05th	May 9th	Faculty, Industry, Ph.D Scholars	Self-finance	Dr.Y. Ravi Kumar
ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT:						
National						
1	Low Power System on Chip sesign using Xilinx FPGA Devices	1.10.15	5.10.15	Self-Financed (CEP)	-	Dr B. Lakshmi
2	Digital Image Processing and its Applications	20.07.15	24.07.15	Self-Financed	-	K.V Sridhar, M.V.Raghunadhr
3	Practical RF Antenna Design	06.07.15	10.07.15	E & ICT	-	Dr D.Vakula, Prof. NVSN Sarma
4	Advanced Digital Signal Processing	27.07.15	31.07.15	Self-Financed	-	Dr C.B.RamaRao, Mrs V.Rama
5	Lines and Waves: The transmission of energy	31.10.15	09.11.15	E & ICT		Dr. D. Vakula
6	Signal Processing for Communications	04.01.16	08.01.16	E & ICT		Dr.T. kishore Kumar Dr. S. Anuradha
7	Digital Communications and FEC Coding Techniques	11.04.16	15.04.16	E & ICT		Dr. S.Anuradha Dr. P Srihari rao
8	Wireless	14.12.15	23.12.15	E & ICT		Dr. VV Mani

	Communication – Hands on					
9	Aspects of IC Design	08.02.16	17.02.16	E & ICT		Dr. P Srihari Rao Prof KSR Krishna Prasad
10	Advanced Digital Signal processing	22.02.16	26.02.16	E & ICT		Dr. CB Rama Rao Dr. T. Kishore Kumar
11	Embedded Systems	26.03.16	30.03.16	E & ICT		Sri P Muralidhar Dr T Kishore Kumar
METALLURGICAL AND MATERIALS ENGINEERING DEPARTMENT:						
i) International						
1	GIAN course on "Synthesis, characterization, processing and applications of nanomaterials"	07.03.2016	11.03.2016	Faculty, research scholars and PG students from various universities (88)	MHRD, New Delhi	Prof. G. V. S. Nageswara Rao
ii) National						
1	National Conference on Advances in Materials Processing and Characterization (NCAMPC-2016)	04.01.2016	06.01.2016	Scientists, researchers, research scholars	NIT Warangal	**Conveners:** Prof. M. K. Mohan, Dr. N. Narasaiah **Coordinators:** Dr. G. Brahma Raju, Dr. Bonta Srinivasa Rao
DEPARTMENT OF MATHEMATICS						
International						
1	International Conference on Computational Heat and Mass transfer – 2015	30/11/2015	2/12/2015	For faculty and research scholars (55)		D. Srinivasacharya, Ch Ram Reddy & J. Pranitha
DEPARTMENT OF CHEMISTRY:						
i) International						
1	VII IEEE Int. Conference Pre-Conference Workshop	9.12.15	-	(Students and Faculty from all over India)50	IEEE	Prof. DVLN Somayajulu & Prof. I.A.K. Reddy
2	VII IEEE International Conference on Technology for Education	10.12.15	12.12.15	Participants from India and abroad 250	IEEE	Prof. DVLN Somayajulu & Prof. I.A.K. Reddy
ii) National						
1	RAA: 2-Day Nodal Officers Workshop MHRD)	16.11.15	17.11.15	Nodal Officers and MHRD/SSA Officials (150)	MHRD	Dr. A.Ramachandraiah SarvaShikshaAbhiyan (MHRD)
2	Recent Advances in Organic Synthesis	29.6.16	-	M.Sc students, Research Scholars of Institute, outside participants from academia and Industry	NIT Warangal	Dr. V. Rajeswar Rao
3	National Conference on Frontiers in Chemical Sciences and Technologies (FCST)	28.1.16	29.1.16	Faculty members, Researchers, Research scholars of Academia and R&D institutions from all over India and Home institute.	NIT Warangal	Prof. B.V. Appa Rao Dr. V. Rajeswar Rao & Dr. K.V. Gobi

DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES						
National						
1	A Two day National Conference on 'Women in Higher Education: Perspectives and Challenges in Digital ERA (WHE-2016)'	30.5.16	31.5.16	54 participants faculty, scholars, industrialists, trainers, from all disciplines across 7 states of India	TEQIP-II	Dr. Madhavi Kesari Convener
2	Developing More Purposeful English Courses in Engineering and Degree Colleges	23.9.16	24.9.16	Engineering and Degree college Teachers of English	TEQIP-II	Main coordinator – Prof. D.S.Kesava Rao Co co ordinators Dr. K.Madhavi and Dr. M. Raja Vishwanathan

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	Amulya, M., Prasad, CH. R. V., **Reddy, P.H.P.**, Kumar, G.K.	Effect of Sulphuric Acid on Black Cotton Soil	International Journal of Earth Sciences and Engineering, Vol. 8, No.2, pp. 196-200 (ISSN 0974-5904), 2015
2	Ruben Nerella and **E.VenkataRathnam**	Fluid Transients and Wave Propagation in Pressurized Conduits due to valve closure	Procedia of Engineering, Vol.127, PP1158-1164, 2015
3	Ruben Nerella and **E.VenkataRathnam**	Analysis of Pump-Pipeline System using Elastic theory of Fluid Transients	International Journal of Research in Engineering and Technology, Vol.4, Special issue-11, October2015, pp100-102.
4	V Agilan and **N V Umamahesh**	Detection and attribution of Non-stationarity in Intensity and Frequency of daily dnd 4-H Extreme Rainfall of Hyderabad, India	Journal of Hydrology, Volume 530, November 2015, Pages 677–697
5	Himanshu Panwar and **Venkata Reddy K**	Optimization of Runoff Parameters of a Watershed by Genetic Algorithm and Visualizing the runoff in 4d gisEnvironment	International Journal of Research in Engineering and Technology, 2015,SIV4, pp.67-71
6	Shirisha, **Venkata Reddy** K., Deva Pratap	Experimental Watershed for Real time Flow Simulation	International Journal of Research in Engineering and Technology, 2015, V.4, Special edition, 2015,SIV4, pp.61-66
7	T. Reshma, **K. Venkata ReddyDeva Pratap,** Mehdi Ahmedi and V. Agilan	Optimization of Calibration Parameters for an Event Based Watershed Model Using Genetic Algorithm	Water Resource Management 2015/29/4589-4606
8	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, Vol 4(1), pp 1045-1063, 2015
9	Ramreddy, T., Vishnuprakash Reddy, C **&Shashi, M**	An accuracy assessment of Cartosat-1 and ASTER Digital Elevation Models	International Journal of Earth Sciences and Engineering (Accepted), 2015.
10	B. Aneesha Satya, **K.Venkata Reddy**	A Web based study on Fluoride affected areas using advanced Geospatial techniques	International Journal of Earth Sciences and Engineering, Index VOL9 June No3, 2015
11	Hari Prasad Reddy, P.,Rama Vara Prasad C.H. and **Rakesh J. P.**	Swelling of natural soil subjected to acidic and alkaline contamination	Periodica Polytechnica Civil Engineering (Accepted), 2015
12	Lini, D. K., **Rakesh, J. P.** and Robinson, R. G.	Drained angle of internal friction from direct shear and triaxial compression tests	International Journal of Geotechnical Engineering (Accepted), 2015
13	Prasad Hiremath, and **G. Kalyan Kumar**	Fuzzy-logic Tree Approach for Seismic Hazard Analysis	International Journal of Engineering Research & Technology, VOLUME 4, ISSUE 03 pp 137-139
14	D. Devi Priyanka, and **G.Kalyan Kumar**	Evaluation of Dynamic Soil Properties of Sandy Soils	International Journal of Engineering Research & Technology, VOLUME 4, ISSUE 03 pp 134-136
15	R. Shanmuga Priya, and **G. Kalyan Kumar**	Geotechnical Aspects Of Overburden Materials For Stowing In Underground Coal Mines	International Journal of Engineering Research & Technology, VOLUME 4, ISSUE 03 pp 140-141
16	M. Teja, and**G. Kalyan Kumar**	Study Of The Behaviour Of Pervious Concrete Pile Under Vertical And Lateral Loading	International Journal of Engineering Research & Technology, VOLUME 4, ISSUE 03 pp 147-149
17	Nirbhay Narayan Singh, B.S.Deviprasad, **G. Kalyan Kumar, P. Hari Krishna**	Analysis of earthquake catalogue for seismic hazard analysis of Warangal city	Discovery, 2015, Vol. 41(190), 136-142
18	D. Rama Seshu	Concrete strength compliance criteria in IS 456-2000'	Civil Engg & Construction Review, V.28, No.7, July 2015, pp.36-40
19	Gunneswara Rao T.D et. al., (2015)"	"FIBER Bragg Grating (FBG) sensor for estimation of Crack Mouth Opening Displacement (CMOD) in concrete	Journal of Optics 44 (4), 346-352

20	Gunneswara Rao T.D et. al., (2015)	"Final Setting Time and Compressive Strength of Fly Ash and GGBS-Based Geopolymer Paste and Mortar"	Arabian Journal for Science and Engineering 40 (11), 3067-3074
21	Gunneswara Rao T.D et. al., (2015)	An empirical formula for Mode-II fracture energy of concrete",	"KSCE Journal of Civil Engineering, 2014, 1-9.
22	Gunneswara Rao T.D et. al., (2016)	Bond Strength Behaviour of Geopolymer Concrete"	"Malaysian Journal of Civil Engineering 27(3):35-45 (2015)
23	M.L.V.Prasad, **P. Rathish Kumar**	Prediction of the moment-curvature relationship of confined fibre reinforced Self Compacting Concrete	International Journal of Cement Wapno Beton, CWB-5/2015, pp 269-283.
24	S. Rakesh, **P. Rathish Kumar**	Constitute behaviour of bond in RC structures based on pull-out strength	International Journal of Cement Wapno Beton, pp 341-357, Vol 6, 2015.
25	M.Sri Rama Chand, **P.Rathish Kumar,** P.S.N.Giri, **G.Rajesh Kumar**	Influence of Paraffin Wax as a Self Curing Compound in Self Compacting Concrete	Advances in Cement Research, ICE Publishing, UK, Vol 28 (2), Feb 2016
26	**S Venkateswara Rao,** P. Silva, J de Brito	Experimental study of mechanical properties and durability of Self Compacting Mortars with nano materials (SiO_2 and TiO_2)",	Construction and Building Materials, Volume No.96, 2015, pp 508 – 517.
27	Shamsurahman S, **Sivakumar M V N.,**	Developing Fragility Curves for Vulnerability Assessment of RC Struc'Analysis	Journal of Civil Engineering and Environmental Technology, Vol.2, pp.520-522, 2015
28	Kalyana Rama J S, Darshan Pujara, Santosh Kumar M, **Sivakumar M V N,** Vasan A.,	Feasibility Studies On Strength Characteristics Of Ggbs Based Self-Compacting Geopolymer Concrete	International Journal of Earth Sciences and Engineering, 2015
29	Veera M. Boddu , Matthew W. Brenner , Jignesh S. Patel , Ashok Kumar , P. Raju Mantena , Tezeswi Tadepalli , Brahmananda Pramanik,	Energy dissipation and high-strain rate dynamic response of E-glass fiber composites with anchored carbon nanotubes,	Composites Part B 88 (2016) 44-54
30	Chandra, S., **Mehar, A.**, and Velmurugan, S	Effect of Traffic Composition on Capacity of Multilane Highways	KSCE Journal of Civil Engineering,DOI:10.1007/s12205-015-0479-9)
31	Sharat C.Pillalamarri, **CSRK Prasad, S.Shankar**	Development of Empirical Model for Public Transport Modal Shares for Indian Cities	International Journal of Civil Engineering Research and Development (IJCERD) (Accepted)
32	Sharat C.Pillalamarri, **CSRK Prasad, S.Shankar**	Empirical Assessment of Desirable Public Transport Modal Share for Indian Cities	Journal of Public Transportation (Accepted)

* 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	**Y. Navatha, K.Venkata Reddy and Deva Pratap**	Analysis and planning of infrastructural facilities in rural areas using facility index methods	Journal of geomatics, 2015/9/237-244
2	B. Aneesha Satya, **M.Shashi**, P.V.S.Sylesh	Estimation of Vertical Urban Growth using 3D City Model	Indian Journal of Science and Technology, DOI:10.17485/ijst/2016/v9i2/5/3165, March 2016, ISSN (Online):0974-5645
3	M.V.Krishna Rao, **P.Rathish Kumar** and Seshadri Sekhar	Effect of rate of loading on the strength and stress-strain behaviour of recycled aggregate concrete	Indian Concrete journal, September 2015, pp 26-32.

* 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	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
2	B Aneesha Satya, **K Venkata Reddy**	A Web based study on Fluoride affected areas using ArcGIS Server	Oral	International Conference on Sustainable Energy and Built Environment, VIT Vellore, March 12, 2015.
3	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
4	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
5	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
6	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
7	Jew Das, **Umamahesh N V**	Multisite Downscaling of Monsoon Precipitation over Godavari River Basin under the RCP 4.5 Scenario	Oral	Environmental & Water Resources Congress (EWRI-2015), 17-22 May, 2015, Austin, Texas, USA
8	Jew Das, **Umamahesh N V**	Downscaling Monsoon Rainfall over River Godavari under Different Scenarios	Oral	EWRA 2015, 9th World Congress on Water Resources Management in a Changing World: Challenges and Opportunities, 10-13 June, 2015, Istanbul, Turkey
9	Arnab Banerjee and **Heeralal M.**	Use of Fly ash and Industrial wastes in the construction of low volume roads	Oral	International Conference on Chemical, Biological and Environmental Sciences – 2015, Planetary Scientific Research Center, Dubai (UAE), September 13-14, 2015
10	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
11	Praveen K, Sainath M, **S Venkateswara Rao**	"An experimental study on the behaviour of Self Compacting Concrete beams with varying amounts of tension reinforcement and fibre content",	Oral	UKERI Concrete congress on Concrete research driving profit and sustainability, organised by Dr. B R Ambedkar National Institute of Technology, Jalandhar, 2 – 5 November, 2015
12	Shaik Fayazuddin, Ajay Kumar Sreerama, Akshay Sakhare, Devi Priyanka, and **G. Kalyan Kumar**	Shear Wave Velocity Profile Of Warangal, Telangana	Oral	Assessment & Mitigation Of Liquefaction Hazards For Seismic Microzonation; November 27-28, 2015, IIT Roorkee, India
13	D. Ravi Prasad	Investigation of Mechanical Properties of Rubberized Concrete Using Waste Tire Chips	Oral	International conference on IC-ISE organised by Osmania University, Hyderabad during 14-16th December 2015
14	V.V Praveen., **D. Ravi Prasad**	A Study on Strength Characteristics of Concrete by Replacing Cement with Lime Sludge	Oral	International conference on IC-ISE organised by Osmania University, Hyderabad during 14-16th December 2015
15	M.L.V.Prasad, **P.Rathish Kumar**	Eco-Friendly Fiber Reinforced Self Compacting Concrete using Quarry Rock Dust and Foundry sand	Oral	International Conference on Innovations in Structural Engineering IC-ISE 2015, 14-16 December 2015.
16	M.L.V.Prasad, **P.Rathish Kumar**	A study on bamboo Reinforced Concrete	Oral	International Conference on Innovations in Structural Engineering IC-ISE 2015, 14-16 December 2015.
17	V Agilan & **N V Umamahesh**	Analysis of the spatial variability of annual total and extreme rainfall over the Hyderabad area	Oral	HYDRO 2015 INTERNATIONAL, 20th International Conference on Hydraulics, Water Resources and River Engineering, 17-19 December 2015, IIT, Roorkee

18	Vinay Ashok Rangari, **Ajey Kumar Patel, N V Umamahesh**	Review of Urban Stormwater Models	Oral	HYDRO 2015 INTERNATIONAL, 20th International Conference on Hydraulics, Water Resources and River Engineering, 17-19 December 2015, IIT, Roorkee
19	**K Venkata Reddy**, Sri Lakshmi Sesha Vani Jayanthi, Kotrike Tharani, P Naga Sowjanya	Geospatial model tool for climate data retrieval	Oral	Climate Change Innovation and Resilience for Sustainable Livelihood, 2015, Kathmandu, Nepal
20	M. Sriram, **P.Rathish Kumar**	Recycled Aggregate as Internal curing agent in SCC	Oral	UKIERI Concrete Congress-2015, NIT Jalandhar, Punjab.
21	P.S.N. Giri, **P.Rathish Kumar**	A study on PEG as self curing compound in ordinary concrete	Oral	UKIERI Concrete Congress-2015, NIT Jalandhar, Punjab.
22	K.Praveen, **P.Rathish Kumar**	Role of Liquid Paraffin wax as self curing compound in SCC	Oral	UKIERI Concrete Congress-2015, NIT Jalandhar, Punjab.
23	S.Rakesh, **P.Rathish Kumar**	A study on bond characteristics of Steel fiber reinforced SCC developed using Compressible Packing Model	Oral	UKIERI Concrete Congress-2015, NIT Jalandhar, Punjab
24	Enayatullah Hemat, **Sivakumar MVN**	"Time Cost Trade-off and Constraint Resource Scheduling Considering Overtime for Activity Expedition",	Oral	Advances in Construction Technology and Management, NIT, Nagpur, 19-20 February, 2016.
25	Anileshwar C, **Shashi M**, M M Sameer	LBS for Warangal Tourism	Oral	2nd international conference on sustainable energy and built environment, ICES ASCE, 10-13th March, 2016, VIT University, Vellore.
26	M Sudhakar, **M Shashi**, G Rajamouli, K Usenaiah	Estimation of the albedo with OLI-Landsat 8 images: Application to DBM-16 under Kakatiya Command Area Warangal and Karimnagar District	Oral	2nd international conference on sustainable energy and built environment, ICES ASCE, 10-13th March, 2016, VIT University, Vellore.
27	Sayed Qadeer Amiry, **Venkata Reddy K.,**	Urban Change Detection Using Geospatial Technologies	Oral	2nd international conference on sustainable energy and built environment, ICES ASCE, 10-13th March, 2016, VIT University, Vellore.
28	Asfa Siddiqui, Piyush Sharma, Saloni Jain, **M. Shashi,**	Solar roof top potential estimation using high resolution satellite imagery	Oral	2nd international conference on sustainable energy and built environment, ICES ASCE, 10-13th March, 2016, VIT University, Vellore.
29	Jobin George, **Sivakumar MVN**, Kalyana Rama J S,Vasan A	Study on Behavior of Plain Concrete Beam subjected to Three Point Bending Concrete Damaged Plasticity (CDP) Model",	Oral	International Conference On Recent Trends In Engineering And Material Sciences (ICEMS -2016), Jaipur, March 17-19, 2016. (Accepted).
30	Veerendra Kumar P, **Sivakumar MVN**	"Fragility assessment of RC buildings by Time history analysis"	Oral	International Conference on Recent Trends in Engineering and Material Sciences (ICEMS -2016), Jaipur, March 17-19, 2016. (Accepted).
31	Saloni Jain., Poonam S. Tiwari &**Shashi M**	Urban growth assessment using CA Markov Model: A case study of Dehradun City	Oral	9th International Geographical Union (IGU) Conference on Land use change, climate extremes and Disaster risk reduction, Shaheed Bhagat Singh College, University of Delhi, March 18-20, 2016
32	Modinpuroju, A. and **Prasad, CSRK**	Planning and Evaluation of Rural Road Network Connectivity Using GIS	Oral	4th Geo-China International conference, Shandong, China
33	Rohith, D., Srikanth, K., **Chowdary, V.**, and **Prasad, C.S.R.K.**	Performance evaluation of gravel road sections sealed using open graded premixed surfacing with bitumen and bitumen emulsion as the binders	Oral	3rd Conference of Transportation Research Group of India, CD-ROM, Kolkata
34	Vishal, U., Goli, A., and **Chowdary, V**	Comparison of AASHTO T283 and moisture induced sensitivity tester conditioning process on the moisture resistance of bituminous concrete mixtures	Oral	3rd Conference of Transportation Research Group of India, CD-ROM, Kolkata
35	Bhargavi, K., Mubashirhussain, S., **Chowdary, V.**, and Kumar, D. S. N. V. A	Combined influence of zero shear viscosity, air voids and binder content on the permanent deformation characteristics of bituminous mixtures	Poster	3rd Conference of Transportation Research Group of India, CD-ROM, Kolkata

36	Abhigna D, Dipal Prakash, and **KVR Ravi Shankar**	Effect of vehicle-type on gap-acceptance behaviour at unsignalized intersections in mixed traffic conditions	Poster	3rd Conference of Transportation Research Group of India, CD-ROM, Kolkata
37	Praveen K. G., Srikanth, S., **Mehar, A**	Macroscopic Traffic flow analysis on Multi-lane Highways under Mixed traffic conditions	Poster	3rd Conference of Transportation Research Group of India, CD-ROM, Kolkata
38	**Shankar, S.**, Sunny Davidson, Satyam Singh and **CSRK Prasad**	Stability Analysis of Dense Bituminous Macadam Using Waste Plastics and Waste	Oral	3rd Conference of Transportation Research Group of India, CD-ROM, Kolkata

* 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	S. Thiyaku, **K. V. Reddy**, S. L. S. V. Jayanthi, M. Sudhakar	Climate grid point retrieval by integrating R with QGIS	Oral	FOSS4G India 2015, IIRS Dehradun June 8 -10, 2015.
2	P. Kalura, **K. V. Reddy**, J. Pragnya, S. Thiyaku	Development of Web Based Rural Utility System Using Open Source Geospatial Tool	Oral	FOSS4G India 2015, IIRS Dehradun June 8 -10, 2015.
3	Saloni Jain., Rohit Nandan., Poonam, S. Tiwari & **Shashi. M**	Accuracy assessment of the segmentation algorithm used in the open source image processing software	Oral	FOSS4G India 2015, IIRS Dehradun, June 8 - 10, 2015
4	RashmiPatil., **Hari Prasad Reddy, P.**, Venkata Rathnam E.	Removal of cadmium (II) from aqueous solution using sawdust as adsorbent	Oral	National Conference on Climate Change and Sustainable Water Resources Management: CSWM-2015, NIT Warangal, India, September 3-5, pp.223-228
5	Naga Sowjanya, P., **Venkata Reddy, K&Shashi, M**	Climate change effect on water resources using climate model data of Krishna river basin	Oral	National conference on Climate change and sustainable water resources management (CSWM-2015), NIT Warangal, September 3-5, 2015
6	E.Lakshmi, **Deva Pratap**, P. V. Nagamani, K. H. Rao, T. Preethi Latha and 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, September 2015.
7	Nirbhay Narayan Singh, B.S.Deviprasad, **G. Kalyan Kumar and P. Hari Krishna**	Analysis of earthquake catalogue for seismic hazard analysis of Warangal city	Oral	Geo-Engineering and Climate Change Technologies for Sustainable Environmental Management, 9-11 October 2015, MNNIT Allahabad, India.
8	Prasad Hiremath, D. Devipriyanka, and **G. Kalyan Kumar**	Non-Destructive analysis of Ground around Ramappa Temple using MASW method	Oral	Non-Destructive Evaluation-2015, Hyderabad, India, 26-28 November 2015
9	Prasad Hiremath, and **G. Kalyan Kumar**	Fuzzy-logic Tree Approach for Seismic Hazard Analysis	Oral	National Conference On Recent Advancements In Civil And Environmental Engineering; 28-29 November 2015, Haryana.
10	D. Devi Priyanka, and **G.Kalyan Kumar**	Evaluation of Dynamic Soil Properties of Sandy Soils	Oral	National Conference On Recent Advancements In Civil And Environmental Engineering; 28-29 November2015, Haryana.
11	R. Shanmuga Priya, and **G. Kalyan Kumar**	Geotechnical Aspects Of Overburden Materials For Stowing In Underground Coal Mines	Oral	National Conference On Recent Advancements In Civil And Environmental Engineering; 28-29 November2015, Haryana, India
12	M. Teja, and**G. Kalyan Kumar**	Study Of The Behaviour Of Pervious Concrete Pile Under Vertical And Lateral Loading	Oral	National Conference On Recent Advancements In Civil And Environmental Engineering; 28-29 November2015, Haryana, India
13	Thiyaku S., S. S. Raja Shekhar, Rakesh Kumar Sharma S., M. V. Ravi Kumar, S. Yugandhar Reddy, Thara Nair, **K. Venkata Reddy**, A. V. V. Prasad, P. G. Diwakar and V. K. Dadhwal	Suomi NPP data products generation and dissemination using Open Source Software	Oral	National Symposium on GEOMATICS FOR DIGITAL INDIA and Annual Conventions of Indian Society of Geomatics & Indian Society of Remote Sensing, Jaipur - December 16-18, 2015,

14	K. Usenaiah, S. Thiyaku, P. Kalura, **K. V. Reddy**	Local language based web information system for a village using open source geospatial tools	Oral	National Symposium on GEOMATICS FOR DIGITAL INDIA and Annual Conventions of Indian Society of Geomatics & Indian Society of Remote Sensing, Jaipur - December 16-18, 2015,
15	N Hema, P N Sowjanya, **K V Reddy**	Weather research forecast model based Dynamic downscaling of climate data for Indian regions	Oral	National Symposium on Geomatics for Digital India, ISG- Jaipur Chapter(2015) December 16-18, 2015, Jaipur
16	Kumar, K., Bhargavi, K., Fyzee, M. A., **Shashi, M.**, Kamireddy, M & Banda, S	A new approach for segmentation and reclassification of high resolution remote sensing data	Poster	National Symposium on Geomatics for Digital India & Annual Conventions of ISG & ISRS., Jaipur, 16-18 December, 2015
17	Ambili B., Rama Vara Prasad CH., Sai Kumar V., **Hari Prasad Reddy P.**, Rakesh J Pillai	Measure to Control Alkali Induced Heave in Kaolinitic Soils using Fly Ash	Oral	50th Indian Geotechnical Conference (GIFT), Pune, India, December 17-19, Paper Id: 303
18	Rama Krishna Vomaravelli, **Ramana Murty V** and Bhargav Prasad Bontha	A study on the behavior of granular columns in lime Stabilized Soft clay	Oral	Indian Geotechnical Conference – 2015, Pune, December 17 – 19, 2015
19	Bhargav Prasad, **V.Ramana Murty** and Rama Krishna	A study on the behavior of geotextile encased Stone Columns in Soft clay	Oral	Indian Geotechnical Conference – 2015, Pune, December 17 – 19, 2015
20	Nirbhay Narayan Singh, B.S.Deviprasad, **P. Harikrishna**, and **G. Kalyan Kumar**	Probabilistic Seismic Hazard Analysis for Warangal Considering Single Seismogenic Zoning	Oral	Indian Geotechnical Conference – 2015, Pune, December 17 – 19, 2015
21	Sabari Ramesh, **Rakesh J Pillai** and Anu Antony	Analysis of rain induced slope failures using combined Hydrological geotechnical model	Oral	Indian Geotechnical Conference – 2015, Pune, December 17 – 19, 2015
22	A. Raviteja , B. S. Vinay Kumar, D. Devi Priyanka, **G. Kalyan Kumar**	Utilization Of Lime &Phosphogypsum in Improving Subgrade Characteristics Of Black Cotton Soil	Oral	Indian Geotechnical Conference – 2015, Pune, December 17 – 19, 2015
23	B. Vishnuvardhan, M. Teja, and **G. Kalyan Kumar**	Comparative Studies Of Black Cotton Soil With RBI Grade 81 And Ground Granulated Blast Furnace Slag	Oral	Indian Geotechnical Conference – 2015, Pune, December 17 – 19, 2015
24	Dinesh Kumar, R.Shanmuga Priya and **G.Kalyan Kumar**	Effect Of Polypropylene Fiber Content On Lime Treated Marine Clay	Oral	Indian Geotechnical Conference – 2015, Pune, December 17 – 19, 2015
25	Akshay Sakhare, Prasad Hiremath, and **G. Kalyan Kumar**	Seismic Site Characterization Of Warangal District	Oral	Indian Geotechnical Conference – 2015, Pune, December 17 – 19, 2015
26	Sayed Qadeer Amiry, **K V Reddy**	Urban Change Detection Using Geospatial Technologies for kabul city, Afghanistan	Oral	National Seminar on Geo-informatics Applications in Natural Resource Management, at NIRD Hyderabad, March 18-19th, 2016
27	Piyush Sharma, Asfa Siddiqui, Saloni jain, P. Krishna Bhargavi, Kumar Dheeraj	DSM generation using High resolution Satellite imagery: Dehradun city	Oral	National Seminar on Geo-informatics Applications in Natural Resource Management, at NIRD Hyderabad, March 18-19th, 2016
28	UzmaNazneen,Asiya Begum,G.SrinivasaRao,Deva Pratap	Flood Forecasting Golbal to Local Using CREST Model-Godavari Basin	Oral	National Seminar on Geo-informatics Applications in Natural Resource Management, at NIRD Hyderabad, March 18-19th, 2016
29	N Hema, P N Sowjanya, **K V Reddy**	Downscaling of climate data using Nesting technique	Oral	National Seminar on Geo-informatics Applications in Natural Resource Management, at NIRD Hyderabad, March 18-19th, 2016
30	Balaji Yarramsetty, **K Venkata reddy**, Deva Pratap, I Raghu, S L S V Jayanthi	Python Tools for Climate Data Retrieval and Analysis	Oral	National Seminar on Geo-informatics Applications in Natural Resource Management, at NIRD Hyderabad, March 18-19th, 2016
31	Raghu Iytha, **K Venkata Reddy**, Y.Balaji, P Shirisha	Ground Water Recharge Estimation for A Watershed using Geospatial Techniques	Oral	National Seminar on Geo-informatics Applications in Natural Resource Management, at NIRD Hyderabad, March 18-19th, 2016

32	K.Dhanalakshmi, Dr.Y.Navatha, **Dr. K Venkata Reddy,**	Estimation of nutrients and nutrient mapping for soils using remote sensing and Geo spatial tools	Oral	National Seminar on Geo-informatics Applications in Natural Resource Management, at NIRD Hyderabad, March 18-19th, 2016
33	K Usenaiah, **K V Reddy,** P Sirisha, M M Sameer	Development of WebGIS Application for Watershed using FOSS	Oral	National Seminar on Geo-informatics Applications in Natural Resource Management, at NIRD Hyderabad, March 18-19th, 2016
34	Mohammad Emal Omari, **K Venkata Reddy**	Municipal Solid Waste (Disposal) Landfill site selection, Using GIS and Remote Sensing Techniques	Oral	National Seminar on Geo-informatics Applications in Natural Resource Management, at NIRD Hyderabad, March 18-19th, 2016
35	Vemula, S., Kamineni, A., **Chowdary, V., and Prasad, C. S. R. K.**	Influence of two wheelers and three wheelers proportion on traffic noise pollution for a medium sized Indian city	Oral	Second National Conference and Workshop on Recent Advances in Traffic Engineering, Surat (Gujarat)
36	**Mehar, A.,** and Praveen, Srikant, S.	Traffic Flow modeling of Four-lane divided highways under mixed traffic condition	Oral	Second National Conference and Workshop on Recent Advances in Traffic Engineering, Surat (Gujarat)

* 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	D. Sudha Rani, N. Subrahmanyam, **Sydulu Maheswarapu**	Multi-objective Invasive Weed optimization-An application to optimal reconfiguration in radial distribution system	International Journal of Electrical Power and Energy Systems, (Elsevier), June, 2015, 73(2015), pp. 932-942.
2	D. Rakesh Chandra, F. Grimaccia, M. Sailaja Kumari, M. Mussetta, **M. Sydulu**	Transient Stability analysis of Power system with Grid Integration of Wind Generation.	International Review of Electrical Engineering (IREE), vol. 10, no.3, pp. 442-448, 2015.
3	K. Vijay Babu, B.L. Narasiimha Raju and **D.M. Vinod Kumar**	Switched Reluctance Machine for off-grid Rural Applications: A. Review	IETE Technical Review, Taylor and Francis Publications, Vol.5, No. 6, pp. 404-403, 2015
4	N Rama Devi, **D V S S Sarma,** PV Ramana Rao	Detection of stator incipient faults and identification of faulty phase in three-phase induction motor–simulation and experimental verification.	IET - Electric Power Applications, 2015, Vol. 9(8), pp.540-548.
5	Barry Venugopal Reddy and **V.T.Somasekhar**	An SVPWM Scheme for the Suppression of Zero-Sequence Current in a Four-Level Open-End Winding Induction Motor Drive With Nested Rectifier–Inverter	IEEE Transactions on Industrial Electronics, Vol.63, No.5, May 2016, pp.2803-2812
6	Sachin Jain,Ramsha Karampuri, and **V. T. Somasekhar**	An Integrated Control Algorithm for a Single-Stage PV Pumping System Using an Open-End Winding Induction Motor	IEEE Transactions on Industrial Electronics, Vol.63, No.2, Feb. 2016, pp. 956-965
7	B.Nagu, P.V.Ramana Rao, **M.Sydulu**	Improvement of A C System Stability using Fuzzy Logic based HVDC Controls'	International Journal of Electrical Engineering and Advanced Technology (IJEAT), *ISSN*:2249-8958,Vol.2 No.4, pp.65-72, April 2013.(Impact Factor: 1.0)
8	B.Nagu, P.V.Ramana Rao, **M.Sydulu**	Improvement of Power System Stability Using Artificial Neural Network based HVDC Controls	Majlesi Journal of Electrical Engineering (MJEE), *ISSB*: 2008-1413,Vol. 7 No. 2, June 2013.
9	B.Nagu, P.V.Ramana Rao, **M.Sydulu**	Enhancement of Power System Stability Using Self organized Neuro Fuzzy based HVDC Controls	American Journal Of Electrical Power and Energy Systems, Science PG, Vol.2 No.4, pp. 98-105, July 2013
10	B.Nagu, P.V.Ramana Rao, **M.Sydulu**	Improvement of A C System Stability using ANN based HVDC Controls	International Journal of Electrical and Computer Engineering (IJECE) , *ISSN*:2088-8708, Vol.3 No.4, pp.441-455, August2013
11	B.Nagu, P.V.Ramana Rao, **M.Sydulu**	Improvement of A C System Stability using Fuzzy Logic based HVDC Controls'	International Journal of Electrical Engineering and Advanced Technology (IJEAT), *ISSN*:2249-8958,Vol.2 No.4, pp.65-72, April 2013.(Impact Factor: 1.0)

12	B.Nagu, P.V.Ramana Rao, **M.Sydulu**	Versatile PID-HVDC Controls for Enhancement of Power System Stability	Journal of Electrical Engineering, Romania,*ISSN*:1582-4594,Vol.13, No.2, pp.1-8, June2013,
13	**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.
14	Chandrasekhar Yammani, Sydulu Maheswarapu, **Sailaja Kumari Matam**	A Multi-objective Shuffled Bat algorithm for optimal placement and sizing of multi distributed generations with different load models	Electrical Power and Energy Systems(IJEPES), Elsevier, Vol: 79, pp: 120–131, 2016. (SCI Journal)http://dx.doi.org/10.1016/j.ijepes.2016.01.003
15	**Dr. P. Suresh Babu** N.V.Phanendrababu	A Reliable Wide-Area Measurement System UsingHybrid Genetic Particle Swarm Optimization (HGPSO)	International Review of Electrical Engineering (I.R.E.E.), ISSN 1827- 6660, Vol. 10, N. 6, December 2015
16	**Dr. P. Suresh Babu** N.V.Phanendrababu	A Robust Wide-Area Measurement System for Southern Region of Indian power Grid Using Binary Cuckoo Search (BCS): A Case Study	Journal of Electrical Systems Vol. 12, No 1, 2016
17	**Dr. P. Suresh Babu** Saptarshi Roy	An Advanced Fault Locating Technique with WAMS based Backup Protection Scheme for Power System with Simultaneous Faults	Balkan journal of electrical & computer engineering, ISSN:2147-284X, Vol.4, No.1 2016
18	V. SONTI, **S. Jain**, S. Bhattacharya	Analysis of Modulation Strategy for the Minimization of Leakage Current in the PV Grid Connected Cascaded Multi-Level Inverter	Accepted for publications in *IEEE Transactions on Power Electronics*
19	**S. Jain**, R Karampuri, V.T. Somasekhar	An Integrated Control Algorithm for a Single-Stage PV Pumping System Using an Open-End Winding Induction Motor	IEEE Transactions on Industrial Electronics, vol. 63, no. 2, pp. 956-965, Feb. 2016
20	**S. Jain**, AthieshKumar Thopukara, R Karampuri, V.T. Somasekhar	A Single-Stage Photovoltaic System for a Dual-Inverter-Fed Open-End Winding Induction Motor Drive for Pumping Applications	IEEE Transactions on Power Electronics ,vol. 30, no. 9, pp. 4809-4818, 2015
21	Vijay Babu K, **Narasimharaju. B.L**, D. M. Vinod Kumar,	"Switched Reluctance Machine for Off-Grid Rural Applications: A Review"	Taylors & Francis - IETE Technical Review, Dec 2015 / Jan2016, pp. 1-13. IF:0.888. DOI: 10.1080/02564602.2015.1117400.
22	Srinivasan, P.; **Narasimharaju, B.L.**; Srikanth, N.V.	"Space-vector pulse width modulation scheme for open-end winding induction motor drive configuration,"	*Power Electronics, IET*, vol.8, no.7, pp.1083-1094, July 2015. *Impact Factor* :1.683
23	**P. C. Sekhar** and S. Mishra	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
24	S. Mishra, P. P. Zarina and **P. C. Sekhar**	Gas Assisted DFIG with Ramp Rate Controller	*IET Renewable Power Generation*,- Accepted for Publication
25	D.Sudha Rani, **N.Subramanyam**, M. Sydulu	Mullti-Objective Invasive Weed Optimization -An application to optimal network reconfiguration in radial distribution systems	International journal of Electric and Power Energy Systems Vol. 73 (2015), pp.932-942.Doi: 10.1016/j.ijepes.2015.06.020
26	T Vinay Kumar, **S Srinivasa Rao**,	"Hardware Implementation of Direct Load Angle Controlled Induction Motor Drive"	Electric Power Components and Systems, Vol 42, Issue 14, pp 1505-1516.
27	T Vinay Kumar, **S Srinivasa Rao**,	Direct Torque Controlled Induction Motor Drive Based On Cascaded Three Two-Level Inverters"	International Journal of Modelling and Simulation, Vol. 34, No. 2.

* 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	Kayalviz Sivan, **D.M. Vinod Kumar** and Ramakanth Siripuram	Distributed Generation Planning using Peer enhanced Multi-objective Teaching-Learning based optimization in Distribution Networks	Institution of Engineers (India) 2016 Part-B (in Press)
2	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.
3	Vijaya Kumar B., **N.V. Srikant**	Optimal location and sizing of unified power flow controller (UPFC) to improve dynamic stability: A hybrid technique	International Journal of Electrical Power and Energy systems, vol. 64, pp. 429-438, 2015

* 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	C. Yammani, Narsi Reddy K., **M. Sydulu**	Optimal placement of PMU's considering sensitivity analysis.	Oral	2015 International Conference on Advancements in Power and Energy (TAP Energy), 2015
2	A.Srivastava, **M. Sydulu**	Optimal PMU placement for complete power system obsevability using Binary Cat swarm optimization	Oral	2015 International Conference on Economics and Environment (ICEEE), 2015
3	T. Praveen Kumar, **N.Subramanyam**, M.sydulu	Control Strategies of a Fuzzy Controlled Grid Connection Hybrid PV/PEMFC/Battery/Distributed Generation System	Oral	ower and Energy Conference at Illinois,USA (PECI) 20th & 21st Feb 2015
4	S.Kayalvizhi and **D.M. Vinod Kumar**, *IEEE*	Optimal Operation of Autonomous micro grid for minimization of energy loss, cost and voltage deviation	Oral	Workshop on Computational Intelligence: Theories, application and future directions, 14th-17th Dec 2015 at IIT Kanpur.
5	SR Chintakindi, O V S R Varaprasad, D V S S Siva Sarma	Improved Hanning window based interpolated FFT for power harmonic analysis	Oral	TENCON 2015-2015 IEEE Region 10 Conference, Holiday Inn Macao Cotai Central,Macao, Nov 1st – 4th, 2015
6	N Harsha Vardhan and Ch Venkaiah	Electricity Price Forecasting of Deregulated Market using Elman Neural Network	Oral	12th IEEE India International Conference (INDICON – 2015), Jamia Milia Islamia, New Delhi, December 17-20, 2015
7	Chintala Bhanu Prasad and Ch Venkaiah	Probabilistic Optimal Power Flow with Wind Energy Penetration and Integration of Storage System	Oral	12th IEEE India International Conference (INDICON – 2015), Jamia Milia Islamia, New Delhi, December 17-20, 2015
8	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.
9	Chandrasekhar Yammani, K Reddy, Sydulu Maheswarapu and Sailaja Kumari Matam,	Optimal placement of PMU's considering sensitivity analysis	Oral	Advancements in Power and Energy (TAP Energy), 2015 International Conference, India. 2015.
10	Ramulu.Ch; Debadutta Sahoo, Jain.S	A Discontinuous Switching Technique to Eliminate Common Mode Voltage With Reduced Switching Losses for an Open End Winding Induction Motor Drive Solar Water Pump	Poster	IEEE Students' Conference on Electrical, Electronics and Computer Science (SCEECS)-2016, India (MNIT Bhopal)-05th - 06th March 2016.
11	M. Ajay Kumar, N.V.Srikant	Performance of super conducting fault current limiter in offshore wind farm connected VSC MTDC transmission systems	Oral	6th annual IEEE power and Energy conference at Illinois (PECI), 2015, USA
12	B. Vijay Kumar, M. Ajay Kumar, N.V. Srikant	Optimization of UPFC location and capacity to improve the stability using ABC and GSA algorithm	Oral	6th annual IEEE power and Energy conference at Illinois (PECI), 2015, USA
13	Mengstu Fentaw Negash, Udaya Bhasker M	Development of 7-level cascaded H-bridge inverter topology for PV applications	Oral	The IEEE India conference on electrical, electronics and optimization technqieus (ICEEOT-2016)during 3rd-5th March 2016, Chennai, India.
14	Arpan Hota, Sachin Jain	A New Three Phase Multilevel Inverter With Reduced Number Of Switching Power Devices With Common Mode Voltage Elimination	Oral	ICPEICES-2016, DTU, 4-7th July 2016
15	Arpan Hota, Sachin Jain , Jose I. Leon, Leopoldo G. Franquelo	A New Three Phase Multilevel Inverter With Reduced Number Of Switches With Common Mode Voltage Elimination	Oral	IEEE SCEEC-2016,India(M NIT Bhopal) -05th - 06th March 2016.
16	Swami Satish. B., Sachin Jain	High Gain Efficient DC-DC Converter for Low-Voltage Power Generation Application	Oral	IEEE SCEEC-2016,India(MNIT Bhopal) -05th - 06th March 2016.
17	Ramulu.Ch; Debadutta Sahoo, Jain. S	A Discontinuous Switching Technique to Eliminate Common Mode Voltage With Reduced Switching Losses for an Open End Winding Induction Motor Drive Solar Water Pump	Poster	IEEE SCEEC-2016,India(MNIT Bhopal) - 05th - 06th March 2016.
18	Ramsha Karampuri, Sachin Jain and	Phase Displaced SVPWM Technique for Five-Phase Open-End Winding	Oral	IEEE SCEEC-2016,India(MNIT Bhopal) - 05th - 06th March 2016.

	Somasekhar V.T.	Induction Motor Drive		
19	Sachin Jain, Swami Satish. B. and Jason Lai	High Gain Resonant Boost Converter For PV Micro- Converter System	Oral	ECCE-2016
20	Ramanjaneya Reddy U, Narasimharaju B. L,	Unity power factor Buck-Boost LED driver for wide range of input voltage application	Oral	IEEE India Conf. INDICON-2015, JMI, Delhi, India, pp. 1 -5, 17 -20 December 2015
21	Narasimharaju B. L, Goutham Bharma, Ramanjaneya Reddy U, Vijay Babu K	Modeling and Analysis of Voltage Controlled Positive Output Synchronous buck-boost converter	Oral	IEEE India Conf. INDICON-2015, JMI, Delhi, India, pp. 1 -5, 17 -20 December 2015.
22	Narasimharaju B. L, Divya. P, Ramanjaneya Reddy U, Vijay Babu K, S. P Dubey	Bidirectional AC-DC Converter and DC-DC Converter for Charge/Discharge Applications	Oral	Intl. Conf. Advanced Research Applications in Engineering , Technology , Science & Management, Shaastrarth 2015, 29th - 30th June 2015, pp.1-5., Rungta Group of Educational Campus, Bhilai, INDIA.
23	Jammy Ramesh Rahul, A. Kirubakaran	Single-Phase Quasi-Z-Source Based Isolated DC/AC Converter	Oral	IEEE ICPS, 2016, IIT Delhi
24	Jammy Ramesh Rahul, A. Kirubakaran	A New Cascaded Quasi-Z Source Based Single Phase Seven Level Inverter	Poster	IEEE SCEES2016, MANIT, Bhopal
25	Alladi Siva Satyanarayana, A. Kirubakaran	A New 3-Phase Hybrid Matrix Multilevel Inverter	Poster	IEEE SCEES2016, MANIT, Bhopal
26	Hareesh Myneni, G. Siva Kumar, D. Sreenivasarao	Power Quality Enhancement by Current Controlled Voltage Source Inverter Based DSTATCOM for Load Variations	Oral	Industrial & Commercial Power Systems Petroleum & Chemical industry conference, (ICPSPCIC2015), HICC Hitech city, Hyderabad, 19-21 November, 2015
27	P. C. Sekhar, Srinivas Pandit and Ratna Rahul. T.	Analysis of Asynchronous Sigma-Delta Modulation Scheme for Real and Reactive Power Control in Grid Connected Single Phase Inverters	Oral & Poster	IEEE Power & Energy Society General Meeting-2016, July 17 - 21, 2016, Boston, MA, USA-Accepted for Publication
28	T. Praveen Kumar, N.Subramanyam, M.sydulu	Control Strategies of a Fuzzy Controlled Grid Connection Hybrid PV/PEMFC/Battery/Distributed Generation System	Oral	IEEE Power and Energy IEEE Power and Energy Conference at Illinois,USA (PECI) 20th& 21st Feb 2015
29	V.Gupta, S.R.Donepudi, S.Nallamothu	Optial Placement Of Disributed Generators in istribution System Using Backtracking Search Optimization on various Load Models	Oral	IEEE Int. Conf. Recent Dev. Control Autom. Power Eng.(RDCAP), Amity Sch. Eng. Technol.NoidaMarch,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	Kayalvız Slvan, D.M. Vinod Kumar and Ramakanth Siripuram	Distributed Generation Planning using Peer enhanced Multi-objective Teaching-Learning based optimization in Distribution Networks	Distributed Generation Planning using Peer enhanced Multi-objective Teaching-Learning based optimization in Distribution Networks	Institution of Engineers (India) 2016 Part-B (in Press)
2	S.Kayalvizhi and D.M. Vinod Kumar, *IEEE*	Optimal Operation of Autonomous micro grid for minimization of energy loss, cost and voltage deviation	Oral	Workshop on Computational Intelligence: Theories , application and future directions, 14th-17th Dec 2015 at IIT Kanpur.
3	Akhil Raj and Ch Venkaiah	Optimal PMU Placement by Teaching – Learning Based Optimization Algorithm	Oral	39th National Systems Conference (NSC)–2015, Shiv Nadar University, Dadri, December 14-16, 2015
4	Ramulu.Ch; Debadutta Sahoo, Jain.S	A Discontinuous Switching Technique to Eliminate Common Mode Voltage With Reduced Switching Losses for an Open End Winding Induction Motor	Poster	IEEE Students' Conference on Electrical, Electronics and Computer Science (SCEECS)-2016,India MNIT Bhopal)-05th - 06th March 2016.

		Drive Solar Water Pump		
5	Arpan Hota, Sachin Jain, Vivek Agarwal	A New Three Phase Multilevel Inverter With Reduced Number Of Switches With Common Mode Voltage Elimination	Oral	NPEC -2015,IIT-B,22-23 Dec 2015
6	Venu Sonti, Sachin Jain, Subhashish Bhattacharya	A new modulation strategy for the grid connected cascaded multi-level PV inverter to minimize the leakage current	Oral	NPEC -2015,IIT-B,22-23 Dec 2015
7	Arpan Hota, Sachin Jain, Vivek Agarwal	A New Three Phase Multilevel Inverter With Reduced Number Of Switches With Common Mode Voltage Elimination	Oral	NPEC -2015,IIT-B,22-23 Dec 2015
8	Vijay Babu K, Narasimharaju B. L and Vinod Kumar D M	ANN Assisted Angle Control for SRM Based PV Water Pumping System	Oral	Proc. National Conference AECT-2016, MIT Manipal, India, pp. 1-6, 28th - 30th January 2016.
9	Narasimharaju B. L, Shaik Rafi,Vijay Babu K, *Ramanjaneya Reddy U*	Modulation Index based Application Selectivity of Dual Source-Fed Open-end Winding Induction Motor Drive	Oral	Proc. National Conference AECT-2016, MIT Manipal, India, pp. 1-5, 28th - 30th January 2016

* 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	Dr. R. V. Chalam	Portable Shade Proposed for Cooler Interiors	**Mobility Engineering**, SAE Publication, Vol. 2, No. 2, June 2015, pp. 25.
		Vibration Characteristics Diagnosis of Roller Bearings using the New Empirical Model	**ASME Journal of Tribology**, Vol. 138, January 2016, pp. 011103-1-9
		Estimation of Skidding Offered by Ackermann Mechanism	**Journal of Institution of Engineers (India): Series C**, ISSN 2250-0545, Springer Publication, Vol. 97, No.2, 2016, pp. 149-156.
2	Dr. L. Krishnanand	Improve the accuracy, surface smoothing and material adaption in STL file for RP medical models"	Journal of Manufacturing Processes, 21, 2016, pp 46 - 55. DOI: 10.1016/j.jmapro.2015.11.006
		"Finding of Correction Factor & Dimensional Error in Bio-AM Model by FDM Technique"	Journal of The Institution of Engineers (India): Series C, (Springer journal)
		"Supply Chain Performance Metrics Framework: Literature Review and Research Issues"	International Journal of Supply Chain Inventory Management
3	Dr. C. S. P. Rao	Preparation and Characterization of Si3N4-BN Ceramic Composites by Gelcasting"	Material Science Research India, Vol. 13(1), 28-33 (2016).
		"Development of Silicon Nitride-Based Ceramic Radomes – A Review",	International Journal of Applied Ceramic Technology 12 [5] 909–920 (2015).
		"Optimization of Buffer Allocation In Tandem Closed Queuing Network Using Symbiotic Organisms Search"	International Journal of Applied Engineering Research, Vol 10 (5) pp. 12671-12681, 2015.
		"Optimization of Machining Parameters for cutting temperature on turning of Niobium alloy C-103 by using RSM,"	International Journal on Theoretical and Applied Research in Mechanical Engineering, Volume -4, Issue-3, pp 13-17, 2015.
		"Optimization of Buffer Allocation In Tandem Closed Queuing Network Using Symbiotic Organisms Search"	International Review on Modelling and Simulations, Vol 8 (2) pp. 212-222, 2015.
		"Effect of Monomers Content and their Ratio on Gelcasting of Fused Silica Ceramics"	*Transactions of the Indian Ceramic Society.* (Accepted)
4	Dr. S. Srinivasa Rao	Effect of Fuel Injection Pressure and Spray Cone Angle in DI Diesel Engine Using CONVERGE TM CFD Code.	Procedia Engineering, 127, 295-300. (SCOPUS)

		"Parametric Optimization Through Numerical Simulation of VCR Diesel Engine"	Journal of The Institution of Engineers (India): Series C. DOI: 10.1007/s40032-016-0298-x (Springer Publication)
5	Dr. A. Venugopal	Performance evolution of grinding wheels impregnated with graphene nanoplates	Int. J. adv. Adv. Manufacturing Technology, Published online, July12, 2015.
		Thermal conductivity, Viscosity and Contact angle of vegetable oil based cu-zn-Ag hybrid nano fluids,	Nano materials and Nano Technology Journal- NMNT.2015
		Studies on surface Integrity and its optimization in turning Ti-6Al	Int. j. Precision Technology Vol. 5, No. ¾, 2015
		Rheological study of Cu-Zn Hybrid Newtonian nanofluids: Experimental Data and modeling using Neural Networks,	Materials Today- Elsevier
6	Dr. G. Amba Prasada Rao	Control of peak pressures of an HCCI engine under varying swirl and operating parameters	International Journal of Front. Energy 2016, 10(3): 337—346 DOI 10.1007/s11708-016-0401-2
		Effective reduction of NOx emissions of a HCCI (Homogeneous charge compression ignition) engine by enhanced rate of heat transfer under varying conditions of operation	International Journal of Energy Volume 93, Part 2, 15 December 2015, Pages 2102–2115
		Effect of Compression Ratio and Fuel Injection Pressure on the Performance and Emissions of a CI Engine with Methyl Esters of Pongamia Oil	Journal of Alternate Energy Sources and Technologies ISSN: 2230-7982(online), ISSN: 2321-5186(print) Volume 6, Issue 3
		Fatty Acids Content from Several Microalgae Strains for Biodiesel Fuel	Int. J. of Mechanical Computational and Manufacturing Research, Vol.2. No.1, (2012) 28 – 32, ISSN: 2301-4148
		Experimental investigations on a variable compression ratio (VCR) CIDI engine with ablend of methyl esters palm stearin-diesel forperformance and emissions	International Journal of Ambient Energy ISSN: 0143-0750 (Print) 2162-8246 (Online)
	Dr. R. Narasimha Rao	The effect of wear parameters and heattreatment on two body abrasive wear of Al–SiC–Gr hybrid composites.	TribologyInternational, 96(2016)184–190. ELSEVIER.ISSN: 0301- 679X. Impact factor: 2.259.
		The effect of grit size on two body abrasive wear of Al 6082 hybrid composites produced by stir casting method.	TribologyInternational. 102(oct, 2016) 52-60, ELSEVIER,ISSN: 0301- 679X. Impact factor: 2.259.
		Effect of applied load and grit size on wear coefficients of Al 6082-SiC-Gr hybrid composites under two body abrasion	TribologyInternational, 103(Nov, 2016) 298-308, ELSEVIER.ISSN: 0301- 679X. Impact factor: 2.259.
8	Dr. Adepu Kumar	Analytical Modeling of FSW process using different pin profiles	The Welding Journal, AWS, US-2015
		Effect of Dielectric fluid with surfactant and Graphite powder on Electrical Discharge Machining of Ti-6Al-4V	Journal of Mechanical Science and Technology, Springer-2016
9	Dr. Y. Ravi Kumar	Improve the accuracy, surface smoothing and material adaption in STL file for RP medical models	Journal of Manufacturing Processes, 21, 2016, pp. 46-55.
		Optimizing 128 Slice CT Scanner Parameters to Minimize Acquisition Errors	International Journal of Mechanical Engineering and Information Technology, 4(4), 2016, pp. 1642-1648.
10	Dr. M. Joseph Davidson	Effect of Adhesion and Cohesion on Ductile Fracture in Cylindrical Upsetting Process	ASTM-JOURNAL OF TESTING AND EVALUATION, ASTM INTERNATIONAL
		Effect of Lubrication and Anisotropy on Hardness in the Upsetting Test.	Transactions of the Indian Institute of Metals, (Springer)
		Prediction of ductile fracture initiation for powder metallurgical aluminum-copper performs using fem	International Journal of Mechanical and Materials Engineering
		Effect of lubrication on hardness in the ring compression test	Proc IMechE Part C: J Mechanical Engineering Science 0(0) 1–12 I IMech E (SAGE), 1989-1996 (Vols 203-210) 05/2015; DOI:10.1177/0954406215586590
		Investigation of work hardening behavior and failure analysis of billets due to biaxial stresses in simple upsetting process,	International Journal of Advanced Manufacturing Technology(Springer)
11	Dr. G. Naga Srinivasulu	Review on challenges of direct liquid fuel cells for portable application	World Journal of Engineering, 12(6), pp.591-606, 2015
		Experimental studies on PEM Fuel Cell Performance.	Energy Systems, 2016 Springer Publication
12	Dr. K. Kiran Kumar	Numerical Analysis and Validation of Heat Transfer Mechanism of Flat Plate Collectors	Procedia Engineering(ELSEVIER) Volume 127, 2015, Pages 63–70

13	Dr. V. Rajesh Khana Raju	"Stability of two axially superposed fluids of different viscosities between two rotating cylinders"	Journal of Applied Fluid Mechanics, Vol. 9, No. 3, pp. 1247-1253, 2016. (SCI)
		Effect of Fuel Injection Pressure and Spray Cone Angle in DI Diesel Engine Using CONVERGE TM CFD Code.	Procedia Engineering, 127, 295-300. (SCOPUS)
		"Parametric Optimization Through Numerical Simulation of VCR Diesel Engine"	Journal of The Institution of Engineers (India): Series C. DOI: 10.1007/s40032-016-0298-x (Springer Publication)
		Simulation of Evaporation Heat Transfer in a Rectangular Microchannel,	Procedia Engineering, Volume 127, (2015), Pages 309–316. (SCOPUS)
		Numerical Simulation of Rod-Climbing Effect in Newtonian Fluids,	Procedia Engineering, Volume 127, (2015), Pages 405–412. (SCOPUS)
14	Dr. B. Satish Ben	Process monitoring and effects of process parameters on responses in turn-milling operations based on SN ratio and ANOVA	Measurement,Vol. 94, pp. 221-232, 2016
		Assessment of surface roughness and MRR while machining brass with HSS tooland carbide inserts	Indian Journal of Engineering & Materials Sciences, Vol. 22, pp. 321-330, 2015
15	Dr. V. P. Chandra Mohan	Simultaneous heat and mass transfer model for convective drying of building material,	Journal of The Institution of Engineers (India): Series C, Springer, DOI: 10.1007/s40032-016-0260-y, Accepted on 23rd Oct., 2015.
		Numerical prediction and analysis of a surface transfer coefficients on moist object during heat and mass transfer application.	Heat Transfer Engineering, Taylor & Francis, 37(1), 53–63, 2016.
		Experimental Analysis and Simultaneous Heat and Moisture Transfer with Coupled CFD Model for Convective Drying of Moist Object.	International Journal for Computational Methods in Engineering Science and Mechanics, Taylor & Francis, 17:59–71, 2016
16	Dr. KanamaniSubbu S.	Laser Shock Processing: Process Physics, Parameters, and Applications	International Conference on Advancements in Aeromechanical Materials for Manufacturing (ICAAMM), MLR Institute of Technology, Hyderabad, India during July 7th - 9th, 2016 (Publisher: Elsevier)
		Mechanical surface treatments: An overview of fatigue life improvement	National Conference on Advances in Materials Processing and Characterization (NCAMPC), NIT Warangal, India, during January 4th – 6th, 2016 (Poster Presented)
		Modeling and Strategies for Laser Shock Processing	International Conference on Materials Research and Applications (ICMRA), CMR Technical Campus, Hyderabad, India during 11th – 13th march, 2016 (Publisher: Elsevier) (Paper accepted)
		Optimization of drilling parameters of fabricated GFRP composite using Taguchi method	International Conference on Energy Efficient Technologies for Sustainability (ICEETS), St. Xavier's Catholic College of Engineering, Nagercoil, India during 7th – 8th April, 2016 (Paper presented)
		Review of Ceramics Processing by Additive Manufacturing	Proceedings of International Conference on Ceramics and Advanced Materials for Energy and Environment, Page 187, December 2015, Bangalore, India. (Poster Presented)
		Laser Shock Processing: Process Physics, Parameters, and Applications	International Conference on Advancements in Aeromechanical Materials for Manufacturing (ICAAMM), MLR Institute of Technology, Hyderabad, India during July 7th - 9th, 2016 (Publisher: Elsevier)
17	Dr. D. Jayakrishna	A Collocated grid based Finite Volume approach for the visualization of heat transport in 2D complex geometries	Procedia Engineering, 2015, 127, 79-86.
18	Dr. G. Raghavendra	Mechanical properties of natural carbon black reinforced polymer composites	Journal of Applied Polymer Science 132 (1) 2015
		Influence of micro/nanofiller alumina on the mechanical behavior of novel hybrid epoxy nanocomposites	High Performance Polymers 27 (3), 342-351 2015

		Evaluation of mechanical and tribological properties of bambooâ€"glass hybrid fiber reinforced polymer composite	Journal of Industrial Textiles, 1528083715569376, 2015
		Moisture absorption behavior and its effect on the mechanical properties of juteâ€reinforced epoxy composite	Polymer Composites, DOI: 10.1002/pc.23610, 2015
		Effect of Carbonized Coconut Shell Particles on Mechanical Properties of Bio-Based Composite	Journal of Mineral, Metal and Material Engineering 2, 6-10 2016
		Optimization of Input Parameters on Erosion Wear Rate of PTFE/HNT filled nanocomposites	ScienceDirect Materials Today: Proceedings XX (2016) XXX–XXX PMME 2016
		An Investigation on Thermal Conductivity of Graphite Filled PA66 Composites	Procedia Engineering Volume 127, 2015, Pages 1308-1314 doi:10.1016/j.proeng.2015.11.488, 2015
		Utilization of Waste Carbon as Reinforcement inThermoset Composites	Spherical and Fibrous Filler Composites, John Wiley & Sons
19	Dr. P. Vamsi Krishna	Assessment of high and low frequency vibration assisted turning with material hardness.	Int. J. of Machining and Machinability of Materials, 2016,
		Effectiveness of vegetable oil based nanofluids as potential cutting fluids in turning AISI 1040 steel.	Tribology International,94(2016)490–501. (IF:1.936)
		Experimental evaluation of nano molybdenum di sulphide and nano boric acid suspensions in vegetable oils as prospective cutting fluids during turning of AISI 1040 steel	Proceedings of Institute of Mechanical Engineers, part-J: Journal of Engineering Tribology, 2015
		Development and performance evaluation of self-lubricating drill tools	proceedings of Institute of Mechanical Engineers, part-J: Journal of Engineering Tribology
		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.
		Performance Assessment of Vegetable Oil based Cutting Fluids with Extreme Pressure Additive in Machining	Journal of Advanced Research in Materials Science, Vol. 19 (1), (2016), 1-13.

* Name of the Faculty of the Department to be emboldened

B. Presentations in Conference / Symposia, etc.,

i) *International Presentations*

S. No.	Authors (*)	Title of the Paper	Event Details (Event, Place, Dates)
1	Dr. L. Krishnanand	"Modelling and Optimization of Prosthesis Design for Mandible Defects"	2ND Annual International Bioprinting congress, 9-10 July, 2015, Nanyang Technological University, Singapore
		"Increasing Traceability and Visibility of the Supply Chain using Systems Dynamics Modeling Approach' (Adjudged as best paper in the category of outstanding conceptual/ theoretical framework)	International Conference on E-Business and Supply Chain Competitiveness (EBSCC - 2016) at IIT, Kharagpur, 12-14, February, 2016
		Effect of Dispersant on the Rheological Properties of Gelcast Fused Silica Ceramics"	InternationalConference on Advanced Materials and Manufacturing Applications (IConAMMA'2016) 15-16 July, 2016 Bangalore, India.
		"Laser assisted machining: a state of art review"	International Conference on Advanced Materials and Manufacturing Applications (IConAMMA'2016) 15-16 July, 2016 Bangalore, India.
		"Manufacturing of Aluminium Nano Hybrid Composites: A state of review"	InternationalConference on Advanced Materials and Manufacturing Applications (IConAMMA'2016) 15-16 July, 2016 Bangalore, India.
		"Shape Memory Alloys: A state of art review	", InternationalConference on Advanced Materials and Manufacturing Applications (IConAMMA'2016) 15-16 July, 2016 Bangalore, India.

2	Dr. C.S.P Rao	"A Hybrid Binary Particle Swarm Optimization for Large Capacited Multi Item Multi Level Lot Sizing (CMILLS) Problem"	InternationalConference on Advanced Materials and Manufacturing Applications (IConAMMA'2016) 15-16 July, 2016 Bangalore, India.
		"Performance Comparison of Some Evolutionary Algorithms on Job Shop Scheduling Problems"	InternationalConference on Advanced Materials and Manufacturing Applications (IConAMMA'2016) 15-16 July, 2016 Bangalore, India.
		"An Evolutionary Approach For Modeling and Optimization of Gelcasting of Ceramics"	International Conference on Advancements in Aeromechanical Materials for Manufacturing (ICAAMM-2016), MLR Institute of Technology, Hyderabad, India, 7-8 July 2016.
		"Modeling of Process Parameters of Gelcast Fused Silica Ceramics using Response Surface Methodology"	5th International Conference on Materials Processing and Characterization (ICMPC 2016) (ICAAMM-2016), Gokaraju Rangaraju Institute of Engineering & Technology, Hyderabad, India, 12-13 March 2016.
		"Modeling and Optimization of Process Parameters of SiO_2-Si_3N_4 Gelcast Ceramic Composites Using RSM"	International Conference on Advancements in Aeromechanical Materials for Manufacturing (ICAAMM-2016), MLR Institute of Technology, Hyderabad, India, 7-8 July 2016.
		Preparation and Modeling of Gelcast Si_3N_4 Ceramics Using Multi Gene Genetic Programming",	5th International Conference on Materials Processing and Characterization (ICMPC 2016) (ICAAMM-2016), Gokaraju Rangaraju Institute of Engineering & Technology, Hyderabad, India, 12-13 March 2016.
		Modeling of Gelcast Ceramics using GP and Multi Objective Optimization using NSGA-II", *Materials Today: Proceedings*	5th International Conference on Materials Processing and Characterization (ICMPC 2016) (ICAAMM-2016), Gokaraju Rangaraju Institute of Engineering & Technology, India, 12-13 March 2016.
		"Machinability of Nickel Based Superalloys: A Review", *Materials Today: Proceedings*	5th International Conference on Materials Processing and Characterization (ICMPC 2016) (ICAAMM-2016), Gokaraju Rangaraju Institute of Engineering & Technology, Hyderabad, India, 12-13 March 2016.
		"Study on Stability of Si_3N_4- nano BN Aqueous Suspension using Polyethylenimine as Dispersant",	8th International Conference on Chemical, Ecology and Environmental Sciences (ICCEES'2016) January12-13, 2016 Dubai (UAE).
3	Dr. S. Srinivasa Rao	"Numerical investigation of split injection on pongamia bio diesel blend"	2nd International Conference on Thermal, Energy and Environment March 25&26, 2016
4	Dr. A. Neelakanteswara Rao	"Increasing Traceability and Visibility of the Supply Chain using Systems Dynamics Modeling Approach' (Adjudged as best paper in the category of outstanding conceptual/ theoretical framework)	International Conference on E-Business and Supply Chain Competitiveness (EBSCC - 2016) at IIT, Kharagpur, 12-14, February, 2016
5	Dr. G. AmbaPrasada Rao	Influence of fuel injection parameters on the performance and emissions of a CI engine with neat biodiesel.	International conference on Paradigms in engineering and technology(ICPET 2016)-Methodist College of engineering and technology, Hyderabad, March 2-3,2016
		Utilization of Palm Sterin based biodiesel in a CI engine with varying Injection pressures.	International conference on Paradigms in engineering and technology(ICPET 2016)-Methodist College of engineering and technology, Hyderabad, March 2-3,2016
		NOx and particulate matter reduction techniques-A review	International conference on Paradigms in engineering and technology(ICPET 2016)-Methodist College of engineering and technology, Hyderabad, March 2-3,2016
		Implementation of hot gas bypass defrost in domestic refrigerator and its comparison with electrical heater defrost	International conference on emerging trends in engineering and technology, Kakinada Dt:26/6/2016
6	Dr. R. Narasimha Rao	Sustainable design methodology of an automotive seating structure by computer aided engineering	Proceedings, 17th ISME conference on Advances in Mechanical Engineering, IIT Delhi, INDIA, 3-4 October, 2015, pp. 5.
		Crashworthiness Assessment of a Ford Taurus Passenger Sedan by CAE Tools	Proceedings, International Conference on Computer Aided Engineering, GITAM University, Hyderabad, INDIA, 10-12 December, 2015, pp. 401-407

		Structural Performance Assessment of a Chrysler Neon Compact Passenger Vehicle by Numerical Methods	Proceedings, 5th International Conference on Materials Processing and Characterization (*ICMPC-2016)* GRIET, Hyderabad, INDIA, 12-13 March, 2016.
		Multi Objective Structural Knowledgebase Concept Design Methodology of Automotive Space Frame Structures for Crashworthiness by Numerical Methods	Proceedings, 5th International Conference on Materials Processing and Characterization (*ICMPC-2016)* GRIET, Hyderabad, INDIA, 12-13 March, 2016.
		Development of Automotive Flexible Space-frame Structure in Conceptual Design Phase using Additive Manufacturing	Proceedings, International Conference on Recent Trends in Engineering and Material Sciences (ICEMS-2016) Jaipur National University, Jaipur, INDIA, 17-19 March, 2016.
		State of the Art on Basic Methodologies for Crashworthy Design of Automotive Body Components Considering Axial Collapse Mode	Proceedings, International Conference on Recent Trends in Engineering and Material Sciences (ICEMS-2016) Jaipur National University, Jaipur, INDIA, 17-19 March, 2016.
		State of the Art on Basic Methodologies for Crashworthy Design of Automotive Body Components Considering Bending Collapse Mode	Proceedings, International Conference on Recent Trends in Engineering and Material Sciences (ICEMS-2016) Jaipur National University, Jaipur, INDIA, 17-19 March, 2016.
7	Dr. V. Suresh Babu	Sustainable design methodology of an automotive seating structure by computer aided engineering	Proceedings, 17th ISME conference on Advances in Mechanical Engineering, IIT Delhi, INDIA, 3-4 October, 2015, pp. 5.
		Crashworthiness Assessment of a Ford Taurus Passenger Sedan by CAE Tools	Proceedings, International Conference on Computer Aided Engineering, GITAM University, Hyderabad, INDIA, 10-12 December, 2015. pp. 401-407
		Structural Performance Assessment of a Chrysler Neon Compact Passenger Vehicle by Numerical Methods	Proceedings, 5th International Conference on Materials Processing and Characterization (*ICMPC-2016)* GRIET, Hyderabad, INDIA, 12-13 March, 2016.
		Multi Objective Structural Knowledgebase Concept Design Methodology of Automotive Space Frame Structures for Crashworthiness by Numerical Methods	Proceedings, 5th International Conference on Materials Processing and Characterization (*ICMPC-2016)* GRIET, Hyderabad, INDIA, 12-13 March, 2016.
		Development of Automotive Flexible Space-frame Structure in Conceptual Design Phase using Additive Manufacturing	Proceedings, International Conference on Recent Trends in Engineering and Material Sciences (ICEMS-2016) Jaipur National University, Jaipur, INDIA, 17-19 March, 2016.
		State of the Art on Basic Methodologies for Crashworthy Design of Automotive Body Components Considering Axial Collapse Mode	Proceedings, International Conference on Recent Trends in Engineering and Material Sciences (ICEMS-2016) Jaipur National University, Jaipur, INDIA, 17-19 March, 2016.
		State of the Art on Basic Methodologies for Crashworthy Design of Automotive Body Components Considering Bending Collapse Mode	Proceedings, International Conference on Recent Trends in Engineering and Material Sciences (ICEMS-2016) Jaipur National University, Jaipur, INDIA, 17-19 March, 2016.
		Sustainable design methodology of an automotive seating structure by computer aided engineering	Proceedings, 17th ISME conference on Advances in Mechanical Engineering, IIT Delhi, INDIA, 3-4 October, 2015, pp. 5.
		Crashworthiness Assessment of a Ford Taurus Passenger Sedan by CAE Tools	Proceedings, International Conference on Computer Aided Engineering, GITAM University, Hyderabad, INDIA, 10-12 December, 2015, pp. 401-407
8	Dr. Adepu Kumar	Finite Element modeling of the composite fabric for the engine containment systems	Magnovite-2016, Christ university, Bangalore
		Material Flow studies in Friction Stir Welding: Part I Numerical Material flow Modeling Part II- Cu inserts experiments, Analysis	Thermec'2016, May 29th – June 3rd,2016 Graz, Austria
		Material flow in commercial Heat treatable and non-Heat treatable aluminum alloys	11ISFSW, May 17th –May 19th 2016, TWI ltd, UK
		Effect of shoulder profile on the friction stir welding of 6082-T6 aluminum alloys	IIW 6th WRCC, 7th –9th April 2016, IIW Hyderabad
9	Dr. Y. Ravi Kumar	Modelling and Optimization of Prosthesis Design for Mandible defects	International Bio-printing Congress, Nanyang Technology University, Singapore, July 9-10, 2015
		Developing an Algorithm to Produce NURBS Based Model from STL File	26th International Solid Freeform Fabrication (SFF 2015), University of Texas, Austin, USA, August 10-12, 2015.

		Improving Volumetric Accuracy of AM Parts by using Adaptive Slicing of Octree Based Structure	26th International Solid Freeform Fabrication (SFF 2015), University of Texas, Austin, USA, August 10-12, 2015.
		Design and Analysis of Custom Prothesis for Biomedical Applications	5th International Conference on Computer Aided Engineering (CAE-2015), GITAM University, Hyderabad, India, December 10-12, 2015.
		Comparison of Straight to Conformal Cooling Channel in Injection Molding	5th International Conference of Materials Processing and Characterization (ICMPC 2016), Gokaraju Rangaraju Institute of Engineering and Technology March 12-13, 2016.
		Thermal Analysis for Conformal Cooling Channel	5th International Conference of Materials Processing and Characterization (ICMPC 2016), Gokaraju Rangaraju Institute of Engineering and Technology March 12-13, 2016.
		Design and Manufacturing of Spiral Intake Manifold to Improve Volumetric Efficiency of Injection Diesel Engine by AM Process	5th International Conference of Materials Processing and Characterization (ICMPC 2016), Gokaraju Rangaraju Institute of Engineering and Technology March 12-13, 2016.
		Manufacturing of Patient Specific Additive Manufacturing Medical Models for Complex Surgeries	5th International Conference of Materials Processing and Characterization (ICMPC 2016), Gokaraju Rangaraju Institute of Engineering and Technology March 12-13, 2016
		Organ Printing With Life Cells: A Review	5th International Conference of Materials Processing and Characterization (ICMPC 2016) Gokaraju Rangaraju Institute of Engineering and Technology March 12-13, 2016.
10	Dr. P. Subhash Chandra Bose	"Laser assisted machining: a state of art review"	International Conference on Advanced Materials and Manufacturing Applications (IConAMMA'2016) 15-16 July, 2016 Bangalore, India.
		"Shape Memory Alloys: A state of art review	", InternationalConference on Advanced Materials and Manufacturing Applications (IConAMMA'2016) 15-16 July, 2016 Bangalore, India.
		Preparation and Modeling of Gelcast Si_3N_4 Ceramics Using Multi Gene Genetic Programming",	5th International Conference on Materials Processing and Characterization (ICMPC 2016) (ICAAMM-2016), Gokaraju Rangaraju Institute of Engineering & Technology, Hyderabad, India, 12-13 March 2016.
		Modeling of Gelcast Ceramics using GP and Multi Objective Optimization using NSGA-II", *Materials Today: Proceedings*	5th International Conference on Materials Processing and Characterization (ICMPC 2016) (ICAAMM-2016), Gokaraju Rangaraju Institute of Engineering & Technology, India, 12-13 March 2016.
		"Machinability of Nickel Based Superalloys: A Review", *Materials Today: Proceedings*	5th International Conference on Materials Processing and Characterization (ICMPC 2016) (ICAAMM-2016), Gokaraju Rangaraju Institute of Engineering & Technology, Hyderabad, India, 12-13 March 2016.
11	Dr. G. Naga Srinivasulu	Numerical studies on optimal operating parameters of PEM fuel cells	International Conference on Trends in Industrial and Mechanical Engineering, Organized by MNIT, Bhopal. Feb. 4-6, 2016
12	Dr. V. Rajesh Khana Raju	"Numerical investigation of split injection on pongamia bio diesel blend"	2nd International Conference on Thermal, Energy and Environment March 25&26, 2016.
		Review on Design and Performance of Indirect Type Solar Driers,	Proceedings of 2nd International Conference on Thermal, Energy and Environment, March 25&26, 2016,Kalasalingam University, Tamilnadu
		Temperature and Moisture Distribution of Spherical Object during Solar Drying: A Heat and Mass Transfer Numerical Model with Finite Difference Method,	Proceedings of 2nd International Conference on Thermal, Energy and Environment, March 25&26, 2016, Kalasalingam University, Tamilnadu

13	Dr. K. Srikanth	Fabrication and performance of micro power scavenger for low power applications,	17th ISME conference at IIT Delhi, October 3 &4, Paper ID is ISME-D-082
		Design and experimental study of an alternative energy battery, ,	International Conference on New Frontiers in Chemical Energy and Environmental Engineering,INCEEE-2015 at NIT Warangal
		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, IISC Bangalore, May 28-30,2015.
		Design and Experimental Study Novel Piezoelectric Vibration Energy Impact Mass Harvester,	12th International Conference on Vibration Problems, December 14-17, 2015, IIT Guwahati, India, paper ID is ICOVP-2015 (O0280)
		Effect of Heat on the Performance of Novel Energy Harvester by using PZT-5H Transducers,	12th International Conference on Vibration Problems, December 14-17, 2015, IIT Guwahati, India, paper ID is ICOVP-2015 (O0315).
		Studies on mechanical and electrical characteristics of PZT-5H patch,	ICMPC 2016 (organized by NIT Bhopal),March 12-13,2016, ID No 114
		Design and Performance of a Prototype Clamped Free Beam Novel Energy Harvester for low power applications	ICMPC 2016 (organized by NIT Bhopal), March 12-13,2016. ID-1503 .
		State of art : Piezoelectric Vibration Energy Harvesters	ICMPC 2016 (organized by NIT Bhopal),March 12-13,2016, ID No 529
		Dimensional analysis of PZT-5H transducers,	ICMPC 2016 (organized by NIT Bhopal),March 12-13,2016, ID No 1114.
		Modal Analysis of PZT Discs for Uniaxial Impact Loaded Energy Harvesters	ICMPC 2016 (organized by NIT Bhopal),March 12-13,2016, ID No 1179
		Influence of the poison ratios on the Eigen values of PZT discs for uniaxially loaded energy harvesters	ICCMS 2016,IIT Bombay, Mumbai, June 27-July 1,2016, ID No 612.
		Application of Energy harvester for controlling the propeller induced vibration and generating the electricity,	ICCMS 2016,IITBombay, Mumbai, June 27-July 1,2016, ID No 715.
		An experimental study of a novel energy scavenger cum vibration absorber,	ICCMS 2016,IIT Bombay, Mumbai, June 27-July 1,2016, ID No 836
		Radial and thickness mode calculations of PZT-5H disc by using ambient vibrations,	ICCMS 2016,IITBombay, Mumbai, June 27-July 1,2016, ID No 612.
14	Dr. V. Hari Kumar	Optimal Shape Design of 2D Structures using Isogeometric Analysis	International Conference on Computer Aided Engineering (CAE-2015), Hyderabad
		Optimal Shape Design of 2D Structures using Isogeometric Analysis	International Conference on Computer Aided Engineering (CAE-2015), Hyderabad
15	Dr. V. P. Chandra Mohan	Parametric study and optimization of rectangular fin array for electronic cooling application through natural convection heat transfer.	Proceedings of the 23rd National Heat and Mass Transfer Conference and 1st International ISHMT-ASTFE Heat and Mass Transfer Conference IHMTC2015, 17-20 December, 2015, Thiruvananthapuram, India
		CFD simulation of estimating critical velocity corresponding to critical shear stress for cleaning of flat soiled surface.	Proceedings of the 23rd National Heat and Mass Transfer Conference and 1st International ISHMT-ASTFE Heat and Mass Transfer Conference IHMTC2015, 17-20 December, 2015, Thiruvananthapuram, India
		Numerical Evaluation of Lift and Estimation of Stall Angle in Turbulent Flow Condition for NACA0012 Airfoil.	Proceedings of 2nd International Conference on Thermal, Energy and Environment, INCOTEE 2016, 25-26th Mar, 2016, Kalasalingam University, India.
		Numerical Simulation for Freeze Drying of Skimmed Milk with Moving Sublimation Front using Tri Diagonal Matrix Algorithm.	Proceedings of 2nd International Conference on Thermal, Energy and Environment, INCOTEE 2016, 25-26th Mar, 2016, Kalasalingam University, India.
		Temperature and Moisture Distribution of Spherical Object during Solar Drying: A Heat and Mass Transfer Numerical Model with Finite Difference Method.	Proceedings of 2nd International Conference on Thermal, Energy and Environment, INCOTEE 2016, 25-26th Mar, 2016, Kalasalingam University, India.
		Review on Design and Performance of Indirect Type Solar Driers	Proceedings of 2nd International Conference on Thermal, Energy and Environment, INCOTEE 2016, 25-26th Mar, 2016, Kalasalingam University, India.
16	Dr. Syed Ismail	Texture Orientation Effect on the Performance of Parallel Sliding Contact in the Presence of Fluid-Solid Interfacial Slip*,	2nd International and 17th National Conference on Machines and Mechanisms (iNacCoMM-2015), IIT Kanpur, Dec 16-19, 2015.

17	Dr. D. Jayakrishna	A Collocated Grid Based Finite Volume Approach for the Visualization of Heat Transport in 2D Complex Geometries	Proceedings of the International Conference on Computational Heat and Mass Transfer National Institute of Technology Warangal, India – Nov 30-Dec 2, 2015 Paper No. 1440093897
		The Metallographic Study of Corrosion of Metals with Latent Heat Storage Materials Suitable for Solar Hot Water System	International Conference on Ceramic and Advanced materials for Energy and environment, Christ University, Bengaluru, India, 14th -17th Dec., 2015
		Step by Step Methodology for the Assessment of Metal Corrosion Rate with PCMs Suitable for Low Temperature Heat Storage Applications: 2-IC-1865	International conference on recent Trends in Engineerning and material Sciences (ICEMS-2016), Jaipur National University, Jaipur, Rajasthan, India, 17th- 19th march, 2016
18	Dr. G. Ragghavendra	Synthesis of metal matrix nano composite for better wear and damping in corrosive environment.	Proc. of the Intl. Conf. on Nanotechnology for Better Living, 2016 Editors K. K. Kar, A. Shah and R. Sharma NBL-2016Vol. 3, No. 1, p. 274 doi:10.3850/978-981-09-7519-7nbl16-rps-274
		Physical characterization and mechanical properties of biowaste carbon filler epoxy composites	Proc. of the Intl. Conf. on Nanotechnology for Better Living, 2016 Editors K. K. Kar, A. Shah and R. Sharma NBL-2016Vol. 3, No. 1, p. 281 doi:10.3850/978-981-09-7519-7nbl16-rps-281
		An Investigation on Thermal Conductivity of Graphite Filled PA66 Composites	International conference on computational heat and mass transfer-2015
		Characterization of agro based lignocellulosic wood apple shell particles'	ICRABR-2016
		Characterization and moisture absorption of arhar fiber	ICRABR-2016
19	Dr. P. Vamsi Krishna	An Investigation on Thermal Conductivity of Graphite Filled PA66 Composites	International conference on computational heat and mass transfer-2015
20	Dr. Karthik Bala subramanian	"Forced Conjugate Heat Transfer Analysis of Air Cooled Engine under Different Air Velocity and Varying Environmental Conditions",	International Conference of Civil, Mechanical and Environmental Engineering (ICCMEET-2016), Coimbatore-India, 2016, ISBN 978-1-941505-42-7.

* 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. Sunnydayal, **T. Kishore Kumar**	Bayesian estimation for speech enhancement given a prioriknowledge of clean speech phase	SpringerPage:593-607 September 2015
2	PogulaRakesh, **T. Kishore Kumar**	A Novel RLS Based Adaptive Filtering Method forSpeech Enhancement	International Journal of Electrical, Computer, Energetic, Electronics and Communication Engg. Vol:9, No:2, P:176-181, 2015
3	Sunnydayal Vanambathina, **T.KishoreKumar**	SpeechenhancementbyBayesianestimationofcleanspeech modelled assuperGaussiangiven*apriori*knowledgeofphase	Elsevier, Speech Communication Vol.77, P.8-27Dec-2015
4	D. G. Bhalke, **C. B. Rama Rao** and D. S. Bormane	Automatic musical instrument classification using fractional fourier transform based- MFCC featuresand counter propagation neural network	Springer May-2015
5	Mrs. V. Rama, **Dr. C. B. Rama Rao**, Mr.Nagaraju Duggirala	Analysis of Signal Processing Techniques to Identify Cardiac Disorders	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering Vol.3, Issue 6 June 2015
6	**P. Muralidhar , C.B. Rama Rao**	Efficient block matching algorithms for motion estimation in h.264/avc	ICTACT Journal on image and video processing Volume: 05, Issue: 03, page:984-990 February -2015

7	Arun Kumar, **L. Anjaneyulu**	Emerging Trends in Instrumentation in Rocket Motor Testing	Defence Science Journal Vol.65, No.1, pp.63-69January 2015
8	Ch. Sulakshana, **L. Anjaneyulu**	A CPW-fed reconfigurable patch antenna with circular polarization diversity	International Journal of Microwave and Wireless Technologies/ Volume 7 / Issue 06 / pp 753-758December 2015
9	Sulakshana, Ch.; **Anjaneyulu, L**	Reconfigurable antennas with frequency, polarization, and pattern diversities for multi-radio wireless applications	International Journal of Microwave and Wireless Technologies June 2015
10	AdityaSarjakKantha, **Ravi kumar Jatoth**	Hybrid Genetic Algorithm-Swarm Intelligence Based Tuning of Temprature Controller For Continuously Stirred Tank Reactor,	International Journal of Modelling, Identification and Control, 2015
11	**P. Muralidhar** and **C.B. Rama Rao**	Efficient block matching algorithms for motion estimation in h.264/avc	ICTACT Journal on image and video processing Volume: 05, Issue: 03, P:984-990 February 2015

* 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	P.Bhagya Sri, E.Roohi, Osman Siddiqui, **P.Muralidhar, C.B. Rama Rao**	Filtered Two-Bit Transform for Block BasedMotion Estimation	Oral	3rd International Conference on Signal Processing, Communication and Networking (ICSCN), 26-28 March 2015
2	**P. Muralidhar**, A. Sravya, P. Mohan Rao, **C.B. Rama Rao**	Symmetrical-cross Multi-Hexagon Based Exhaustive Search for Block Motion Estimation	Oral	3rd International Conference on Signal Processing, Communication and Networking (ICSCN), 26-28 March 2015
3	R.Sri Ram Kumar, M.VenkataRamaiah, **Ravi Kumar Jatoth**	PerfomanceComparision of alpha-beta-gamma filter and kalman filter for CA,NCA target tracking using bi static range and range rate measurements	Oral	IEEE 3rd International Conference on Communication and Signal Processing
4	N.Pradeep Kumar and **Ravi Kumar Jatoth**	Development of Cloud based Light Intensity Monitoring System	Oral	International Conference on Industrial Instrumentation and Control (ICIC 2015), 27th May, Pune
5	Utkarsh, A. Kantha, A.S. ; Praveen, J. ; Kumar, J.R.	Hybrid GA-PSO trained functional link artificial neural network based channel equalizer	Oral	2nd International Conference on Signal Processing and Integrated Networks (SPIN),19 Feb - 20 Feb 2015, U.P
6	P.Bhagya Sri, E.Roohi, Osman Siddiqui, **P.Muralidhar, C.B. Rama Rao**	Filtered Two-Bit Transform for Block Based Motion Estimation	Oral	3rd International Conference on Signal Processing, Communication and Networking (ICSCN), Anna University, Chromepet, Chennai, March 26-28
7	**P. Muralidhar**, A. Sravya, P. Mohan Rao, **C.B. Rama Rao**	Symmetrical-cross Multi-Hexagon based Exhaustive Search for Block Motion Estimation	Oral	3rd International Conference on Signal Processing, Communication and Networking (ICSCN), Anna University, Chromepet, Chennai, March 26-28

* 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	T. Hanuma Reddy, **M.K. Mohan**, BhanuPant and M. Nageswara Rao	Evaluation of Solution Treated Ti-15-3 Alloy for Naval Fastener Applications	ISSN (2015) 1466-8858.
2	Papiya Biswas, Anu Sharma, Manu Krishnan, Roy Jhonson and **Mantravadi Krishna Mohan**	Fabrication of $MgAl_2O_4$ Spinel Scaffolds and Sonochemical synthesis and Deposition of Hydroxyapatite Nano rods	J. Am. Ceram. Soc., (2016) 1-6
3	U.RaviKiran,Jalaj Kumar, Vikas Kumar, M. Sankaranarayana, **G. V. S. Nageswara Rao**, T. K. Nandy	Effect of cyclic heat treatment and swaging on mechanical properties of the tungsten heavy alloys	Materials Science & Engineering A 656 (2016) 256–265.
4	Umme Thahira Khatoon, Naveen Kumar Mekala, Rama Raju Baadhe, M. K. Mohan, **G.V.S. Nageswara Rao**	Microbial inhibition of copper nanoparticles produced by chemical method	Journal of Nanotrends, 17(2) (2015) 15–22
5	M. Ananda Rao, M.V. Pavan Kumar, T. S. N. Sankara Narayanan, S. Subba Rao and **N.Narasaiah**	Failure analysis of a low pressure turbine blade in a Co-based thermal power plant	J. Fail. Anal. and Prevention, vol.15, (2015) pp.750-757
6	N. Shivakumar, V. Vasu, **N.Narasaiah** and Subodh Kumar	Synthesis and characterization of nano-sized Al_2O_3 particle reinforced ZA-27 metal matrix composites	Procedia Materials Science, Vol.10, (2015) pp.159-167
7	G. Gadakary, M. J. Davidson, R. Veerababu and **A. K. Khanra**	Effect of Synthesis on the Purity and Particle size of ZrB_2 Powder	J. Min. Metall. Sect. B-Metal, 52 (1) (2016) 69-76
8	Desalegn Wogaso, Davidson M. J. and **A. K. Khanra**	Prediction of Ductile Fracture Initiation for Powder Metallurgical Alumimium – Copper Preforms using FEM	International journal of Mechanical & Materials Engineering, DOI 10.1186/s40712-015-0036-9
9	K. Avinash, M. B. Suresh, **A. K. Khanra** and Roy Johnson	Synthesis, extrusion processing and ionic conductivity measurements of sodium-bita alumina tubes	Processing and Application of Ceramics, 9 (3) 2015 131-138
10	B. Neelima, N.V. Rama Rao, **V. Rangadhara Chary** and S. Pandian	Influence of mechanical milling on structure, particle size, morphology and magnetic properties of rare earth free permanent magnetic ZR_2Co_{11} alloy	Journal of Alloys and Compounds 661 (2016) 72-76
11	Anil Chacko, M.C. Shaji and **Brahma Raju Golla**	The effect of Magnesium on the modifying efficiency of strontium in A356 alloy	Materials Science Forum 830-831 (2015) 34-37
12	M. Carton-Cordero, **B. Srinivasa Rao**, M. Campos, A. Garcia-Junceda and J.M. Torralba	On the role of processing parameters in sintered new Co-based (W, Al) alloy	Journal of alloys and compounds 674 (2016) 406-412

* 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	**G.V.S. Nageswara Rao**, Amit Bhattacharjee, G. Madhusudhan Reddy	The effect of gas tungsten arc welding on microstructure and tensile properties of copper modified Ti-6Al-4V	Oral	53rd NMD & 69th ATM of IIM, held at Coimbatore, 13-16, November, 2015, pp.39-40.
2	Shivkumar Khaple, **Brahma Raju Golla**, V.V. SatyaPrasad, R. G. Baligidad	Effect of carbon on microstructure and mechanical properties of low density steel based on Fe-7wt.%Al alloy	Oral	53rd NMD & 69th ATM of IIM, held at Coimbatore, 13-16, November, 2015

3	**Brahma Raju Golla**, Bikramjit Basu, Jae Woong Ko and Hai-Doo Kim	Ceramics with extremely high thermal conductivity	Oral	International Conference on Ceramics and Advanced Materials for Energy & Environment-CAMEE 2015, Christ University, Bangalore, India, December 15-17 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	U. Ravi Kiran, M. Sankaranarayana, **G. V. S. Nageswara Rao**, T. K. Nandy	Effect of cyclic heat treatment and swaging on mechanical properties of molybdenum and cobalt containing tungsten heavy alloys	Oral	PMAI-2106 held at Pune, 18-20, February 2016
2	B. Bhatt, T.S.R.Ch. Murthy, K. Singh, J.K. Sonber, B. Vishwanadh, K. Sairam, **G.V.S. Nageswara Rao**, T. Srinivasa Rao, J.K. Chakravartty	Characterization of hot pressed monolithic CrB_2 and CrB_2+$MoSi_2$ composite for wear resistance applications	Poster	National Conference on Advances in Refractory and Reactive Metals and Alloys (ARRMA-2016), held at BARC Mumbai, 27-29, January 2016
3	A. Sashanka, K. Anjani Bharath Krishna, K. Sairam, J.K. Sonber, T.S.R.Ch. Murthy, R.D. Bedse, B. Sunil Kumar, Kulwant Singh, **G.V.S. Nageswara Rao**, T. Srinivasa Rao, J.K. Chakravartty	Scratch test of boron carbide composites	Poster	National Conference on Advances in Refractory and Reactive Metals and Alloys (ARRMA-2016), held at BARC Mumbai, 27-29, January 2016
4	Prakash, V. D. Vijayanand, **G. V. S. Nageswara Rao**, K. Laha	Influence of thermo-mechanical treatment on microstructure and creep strength of P92 steel	Poster	7th International Conference on Creep, Fatigue and Creep-Fatigue Interaction (CF-7) held at IGCAR, Kalpakkam, Tamilnadu, 19-22, January 2016
5	P. Shruti, T. Sakthivel, S. Panneer Selvi, P. Parameswaran, **G.V.S. Nageswara Rao**, K. Laha, T. Srinivasa Rao	Enhancement in creep strength of modified 9Cr-1Mo steel through thermo-mechanical treatment	Poster	7th International Conference on Creep, Fatigue and Creep-Fatigue Interaction (CF-7) held at IGCAR, Kalpakkam, Tamilnadu, 19-22, January 2016, pp.204-209
6	Prakash, V. D. Vijayanand, **G. V. S. Nageswara Rao**, K. Laha	Microstructural investigation of thermomechanically processed P92 steel	Oral	National Conference on Advances in Materials Processing and Characterization (NCAMPC – 2016), held at NIT Warangal, 4-6, January 2016
7	Umme Thahira Khatoon, Mantravadi Krishna Mohan, **G. V. S. Nageswara Rao**	Synthesis and antimicrobial effects of silver nanoparticles produced by chemical reduction method	Oral	National Conference on Advances in Materials Processing and Characterization (NCAMPC – 2016), held at NIT Warangal, 4-6, January 2016
8	Gajula Gowthami, **G. V. S. Nageswara Rao**, Amit Bhattacharjee, G. Madhusudhan Reddy	Effect of arc pulsing on microstructure and tensile properties of Ti-6Al-4V-2.5Cu alloy	Poster	National Conference on Advances in Materials Processing and Characterization (NCAMPC – 2016), held at NIT Warangal, 4-6, January 2016
9	Sony Priya Valluri, **N Narasaiah**, N. Eswara Prasad and Y.Balaji,	Effect of Titanium on Mechanical Properties of 11Cr-10Ni Precipitation Hardened Martensitic Stainless Steel,	Oral	National conference on advances in materials processing and characterization, 4-6 January 2016, National Institute of Technology, Warangal, India
10	K. Akshay Sai, G. V. Prasad Reddy, R. Sandhya and **N. Narasaiah**,	Creep-Fatigue interaction behavior of nitrogen enhanced 316LN stainless steel,	Poster	National conference on advances in materials processing and characterization, 4-6 January 2016, National Institute of Technology, Warangal, India (Best poster award)
11	Amit Kumar, K. Mariappan, Vani Shankar, R. Sandhya and **N. Narasaiah**,	Effect of temperature on low cycle fatigue properties of INCONEL 617M,	Poster	National conference on advances in materials processing and characterization, 4-6 January 2016, National Institute of Technology, Warangal, India

* 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, T. Sunil Kumar and **Y. Pydi Setty**	Simulation and validation of a model for a batch wall heated fluidized bed dryer	Powder Technology, 270 (2015) 368-377
2	K. Narasimhulu and **Y. Pydi Setty**	Optimization Studies on Biosorption of Cr(VI) and Cu(II) from wastewater in a packed bed bioreactor	Desalination and Water Treatment (DOI: 10.1080/19943994.2013.862870), 53/8 (2015) 2167-2176
3	G. Srinivas and **Y. Pydi Setty**	A study of CFD modeling on variation of solid fraction in a batch fluidized bed	Particulate Science and Technology (Accepted)
4	K. Narasimhulu and **Y. Pydi Setty**	Optimization Studies on Batch Biosorption of Cr(VI) from wastewater using Bacillus Subtilis	American Journal of Engineering and Applied Sciences, 2015 (Accepted)
5	T. Srinivas, **A. VenuVinod**	Heat Transfer Intensification in a Shell and Helical Coil Heat Exchanger using Water-based Nanofluids	Chemical Engineering and Processing: Process Intensification, 102, 1-8, 2016.
6	T.Srinivas, **A. VenuVinod**	The Effective Thermal Conductivity of Water Based Nanofluids at Different Temperatures	Journal of Testing and Evaluation (ASTM), 44, Issue 1, 280-289, 2016.
7	T.Srinivas, **A. VenuVinod**	Heat Transfer Enhancement using CuO/Water nanofluid in a shell and Helical Coil Heat Exchanger	Procedia Engineering 127 (2015) 1271 - 1277,
8	A. J. Jadhav, S. E. Karekar, D. V. Pinjari, Y. G. Datar, B. A. Bhanvase,**S.H.Sonawane** and A. B. Pandit	Devlopment of Smart Nanocontainers With A Zinc Phosphate Core and A pH-Responsive Shell for Controlled Release of Immidazole	Hybrid Materials, 2 (1), (2015), 2299-3940
9	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 simultaneous improvement in anticorrosion, physico-chemical properties and its application in gas sensing	UltrasonicsSonochemistry, 24, (2015), 87-97
10	SammitKarekar, B. A. Bhanvase, DipakPinajari, **Shirish H Sonawane**, A. B. Pandit	Synthesis of Zinc Molybdate and Zinc PhosphomolybdateNanopigments by an Ultrasound Assisted Route: Advantage over Conventional Method	Chemical Engineering and Processing: Process Intensification, 87, (2015), 51-59
11	L. I. Bhagawat, DipakPinjari, Bharat A Bhanvase V. S. Patil, B. B. Kale, **S. H. Sonawane**, M. Ashokkumar	Sonoprocessing of Nano-Sized $LiFePO_4$ and nanocomposite for cathode material for Lithium Ion Batteries	Polymer Composites, (2015), DOI:10.1002/pc.23363
12	A. Sumanth, B. A. Bhanvase, Vikas Mittal, **Shirish H Sonawane**	Process Intensification of Copper Chromite ($CuCr_2O_4$) Nanoparticle Production Using Continuous Flow Microreactor	Chemical Engineering and Processing: Process Intensification, 89,(2015), 28-34
13	Y. E. Bhoge, T. D. Deshpande, B. A. Bhanvase, P. R. Gogate,**S.H.Sonawane**, R. D. Kulkarni	Ultrasound-assisted organic pigment dispersion	Pigment & Resin Technology, 44, (2015), 214-223
14	PrashantJolhe, **Shirish H Sonawane**, Bharat A Bhanvase, V. S. Patil	Sonochemical synthesis of peracetic acid in a continuous flow micro-structured reactor	Chemical Engineering Journal, 276, (2015), 91-96
15	**S. H Sonawane**, A. Terrien, A. S. Figueiredo, M. Clara Gonçalves and M. N. De Pinho	The Role of Silver Nanoparticles on Mixed Matrix Ag/Cellulose Acetate Asymmetric Membranes	Polymer Composites, 2015
16	S.R. Shirsath,, A.P. Patil, B.A. Bhanvase, **S.H.Sonawane**	Ultrasonically Prepared Poly(acrylamide)-Kaolin Composite Hydrogel for Removal of Crystal Violet Dye from Wastewater	Journal of Environmental Chemical Engineering, 3, (2015), 1152–1162
17	N. P. Badgujar, Y. E. Bhoge, T. D. Deshpande, Bharat A Bhanvase, ParagGogate, **Shirish H Sonawane**, Ravindra D Kulkarni	Ultrasound assisted organic pigment dispersion: advantages of ultrasound method over conventional method	Pigment & Resin Technology, 44, (2015), 214-223
18	Prasad Gurav, Srinu Naik, B. A. Bhanvase, D. V. Pinjari, **S. H Sonawane**, M.Ashokkumar	Heat transfer intensification using polyaniline based nanofluids: Preparation and application	Chemical Engineering and Processing: Process Intensification, 95, (2015), 195–201

19	B.A. Bhanvase, **S.H. Sonawane**	Effect of type and loading of surfactant on ultrasound-assisted synthesis of $CaZn_2(PO_4)_2$ nanoparticles by chemical precipitation	Chemical Engineering and Processing: Process Intensification, 95, (2015), 347-352
20	**Shirish H. Sonawane**, Mahendra L. Bari, Prashant L. Suryawanshi, Jitendra S. Narkhede, Satyendra Mishra, B.A. Bhanvase	"Effect of Process Parameters on Properties of Colloids in a Continuous-Flow Microreactor System"	Chemical Engineering & Technology, 38 (10), (2015), 1765–1773
21	Sandip P. Patil, V.S. Shrivastava, **S H Sonawane**, G.H. Sonawane	"Synthesis of novel Bi_2O_3–montmorillonitenanocomposite with enhanced photocatalytic performance in dye degradation"	Journal of Environmental Chemical Engineering, 3, (2015), 2597-2603
22	S. R. Jadhav, D. Saini, **S. H. Sonawane**, A. B. Pandit	"Effect of process intensifying parameters on the hydrodynamic cavitation based degradation of commercial pesticide (methomyl) in the aqueous solution"	UltrasonicsSonochemistry, 28, (2015), 283-293.
23	Shailesh Adinath Ghodke, **Shirish Hari Sonawane**, Bharat ApparaoBhanvase, Satyendra Mishra, KalpanaShrikant Joshi	"Studies on Fragrance Delivery from Inorganic Nanocontainers:Encapsulation, Release and Modeling Studies"	Journal of The Institution of Engineers (India): Series E, 96 (1), (2015), 45-53
24	SunitaRaut-Jadhav, Dipak V. Pinjari, Daulat R. Saini, **Shirish H. Sonawane**, Aniruddha B. Pandit	"Intensification of degradation of methomyl (carbamate group pesticide) by using the combination of ultrasonic cavitation and process intensifying additives"	UltrasonicsSonochemistry, 31, (2016), 135-142
25	B. A. Bhanvase, M. A. Patel, **S. H.Sonawane**, A. B. Pandit	"Intensification of Ultrasound-Assisted Process for the Preparation of Spindle-Shape Sodium Zinc Molybdate Nanoparticles"	UltrasonicsSonochemistry, 28, (2016), 311–318
26	BhaskarBethi, **S.H.Sonawane**, G.S. Rohit, C.R. Holkar, D.V. Pinjari, B.A. Bhanvase, A.B. Pandit	"Investigation of TiO_2photocatalyst performance for decolorization in the presence of hydrodynamic cavitation as hybrid AOP"	UltrasonicsSonochemistry, 28, (2016), 150–160
27	Sandip P.Patil, BhaskarBethi, G.H. Sonawane, V.S. Shrivastava,**ShirishSonawane**	"Efficient adsorption and photocatalytic degradation of Rhodamine B dye over Bi_2O_3-bentonite nanocomposites: A kinetic study"	Journal of Industrial and Engineering Chemistry, 34, (2016), 356–363
28	B.A.Bhanvasea, S.D.Kamath, U.P.Patil, H.A. Patil, A.B. Pandit, **S.H. Sonawane**	"Intensification of heat transfer using PANI nanoparticles and PANI-CuOnanocompositebasednanofluids"	Chemical Engineering and Processing, 104, (2016), 172–180
29	SunitaRaut-Jadhav, Mandar P. Badve, Dipak V. Pinjari, Daulat R. Saini, **Shirish H. Sonawane**, Aniruddha B. Pandit	"Treatment of the pesticide industry effluent using hydrodynamic cavitation and its combination with process intensifying additives (H_2O_2 and Ozone)"	Chemical Engineering Journal, 295, (2016), 326–335
30	S. Sharada, Prashant L. suryawanshi, Rajesh P Kumar P, Saranga P. Gumfekar, T. Balanarsaiah, **Shirish H. Sonawane**	"Synthesis of Palladium Nanoparticles using Continuous Flow Microreactor"	Colloids and Surfaces A: Physicochemical and Engineering Aspects, 498, (2016), 297–304
31	P.D. Jolhe, B.A.Bhanvase, V.S. Patil, **S.H. Sonawane**,	Green Route for Silver Nanoparticles Synthesis by RaphanusSativus Extract in a Continuous Flow Tubular Microreactor,	International Journal of Nanoscience,
32	**S.H. Sonawane**,	Sonoprocessing of LiFePO4 nanoparticles and nanocomposites for cathode material in Lithium Ion Batteries	Polymer Composites
33	Sandip P. Patil, Rahul P. Patil, Vilas K. Mahajan, G. H. Sonawane, V. S. Shrivastava, **ShirishSonawane**	"Facile sonochemical synthesis of BiOBr-graphene oxide nanocomposite with enhanced photocatalytic activity for the degradation of Direct green"	Materials Science in Semiconductor Processing, 52, (2016), 55–61
34	P.Thirumalbai, V.Manokaran, P.S.Saiprasad, **S.Srinath**	Studies on Heat and Mass Transfer Limitations in Oxidative Dehydrogenation of Ethane over Cr2O3 /Al2O3 Catalyst	Procedia Engineering 127 (2015) 1338 - 1345
35	S.Srinath, Shekhar M Gaikwad and S.H.Sonawane	Continuous Production of Biodiesel from Waste Cooking Oil in Corning® Advanced-Flow TM Reactor	Int'l Journal of Research in Chemical, Metallurgical and Civil Engg, Vol. 2, Issue 1 (2015) pp 1-3
36	K. Ghousiya Begum, **A. SeshagiriRao** and T. K. Radhakrishnan	Maximum sensitivity based analytical tuning rules for PID controllers for unstable dead time processes	*Chemical Engineering Research and Design*, 109, 593-606,2016

37	B. Vivekanandan and **A. SeshagiriRao**	Evaluation of control strategies for activated sludge process	Chemical Product and Process Modeling. Accepted, DOI: 10.1515/cppm-2016-0012, June 2016
38	Purushottama RaoDasari, Raviteja K and **A. SeshagiriRao**	Optimal H2 - IMC based PID controller design for multivariable unstable processes	FAC-PapersOnLine, Volume 49, Issue 1, 2016, Pages 617-622
39	K.Ghousiya Begum, T.K. Radhakrishna, **A. Seshagiri Rao**, M. Chidambaram	IMC based PID Controller Tuning of Series Cascade Unstable Systems	IFAC-PapersOnLine, Volume 49, Issue 1, 2016, Pages 795-800
40	**P V Suresh**, Kavitha G Menon, K S Prakash, S Prudhvi, A Anudeep	Thermodynamic analysis of in situ gasification - chemical looping combustion (iG-CLC) of Indian coal	Environmental Science and Pollution Research (2015), DOI 10.1007/s11356-015-5757-z.
41	Dhanya George, **P V Suresh**	Detailed analysis of integrated steam ethanol reformer and high temperature polymer electrolyte membrane fuel cell	International Journal of Hydrogen Energy 41 (2016), 1248-1258
42	**P V Suresh**, S Jayanti	Peclet Number Analysis of Cross-flow in Porous Gas Diffusion Layer of Polymer Electrolyte Membrane Fuel Cell (PEMFC)	Environmental Science and Pollution Research, 2016, DOI 10.1007/s11356-016-6629-x.
43	Jay Pandey, Murali Mohan Seepana, AnupamShukla	Zirconium phosphate based proton conducting membrane for DMFC application	*International Journal of Hydrogen Energy (IJHE) 40 (2015) (9410 -9421)*

* 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	OnkaraPerumal and **Y. Pydi Setty**	Emerging Trends in Biotechnology	Oral	International conference organized by Dept. of Biotechnology, Kakatiya University, Warangal.
2	G. Singh, A.K.Patel, H.S. Patil, A. VenuVinod, H.J.Pant,	Comparison of Different Turbulent Models to Simulate Flows in Fully Baffled Stirred Tank		68th Annual Session of Indian Institute of Chemical Engineers, CHEMCON 2015, 27-30 December 2015, Indian Institute of Technology Guwahati, India.
3	T.Srinivas, A. VenuVinod	Forced Convection Heat Transfer Enhancement using TiO_2/ Water Nanofluid in a shell and Helical Coil Heat Exchanger		68th Annual Session of Indian Institute of Chemical Engineers, CHEMCON 2015, 27
4	Kuldip U Rangari, B. Anil Kumar Naik, A. VenuVinod	CFD Simulation of Dynamic Behavior of Bubble Column Bioreactor		68th Annual Session of Indian Institute of Chemical Engineers, CHEMCON 2015, 27
5	Rahul Kunnath, K. NeelimaChowdary, A. VenuVinod	CFD Simulation of Heat Transfer using nanofluids in microchannel having dimples and protrusions		International Conference on Advances in Chemical Engineering (ICACE 2015), 20-22 December 2015, National Institute of Technology, Surathkal, India.
6	G. Bhuvaneswari, M. Haritha, A. VenuVinod	CFD Studies on pressure drop for low Reynolds Number fluid flows across orifice in a similarly shaped microchanne		International Conference on Advances in Chemical Engineering (ICACE 2015), 20-22 December 2015, National Institute of Technology, Surathkal, India.
7	P Rajesh Kumar, Prashant I Suryawanshi, Shirish H Sonawane.	Preparation of Carbon-Supported Pt-Co Nano catalysts by Sonochemical Approach for PEM Fuel Cells.	oral	CHEMCON 2015, HELD AT IIT GOWHATI, DURING DECEMBER 27^{TH} – 30^{TH} 2015
8	Prashant I Suryawanshi, P Rajesh Kumar, Shirish H Sonawane.	High temperature PBI membrane for fuel cell application.	oral	CHEMCON 2015, HELD AT IIT GOWHATI, DURING DECEMBER 28^{TH} – 30^{TH} 2015
9	S.H.Sonawane, P.I.Suryawanshi, P.Rajesh Kumar, B. B. Kale, 65th canadian	Functional polymer and nano-catalysts for the PEM Fuel cell application.	oral	CHEMICAL ENGINEERING CONFERENCE (CSCHE2015), HELD AT TELUS CONVENTION CENTRE, CALGARY, ALBERTA, CANADA, DURING OCTOBER 4^{TH} – 7^{TH} 2015.
10	Bhivgade UV, Sonawane SH,	Studies on Process Parameters of Continuous Production of Nickel Nanoparticles Using Spiral Microreactor.	oral	INTERNATIONAL CONFERENCE ON ADVANCES IN CHEMICAL ENGINEERING HELD AT NITK SURATHKAL DURING DEC 20-22, 2015.

11	**K. Anand Kishore** and KAV Ramanjaneyulu	Simulation of biomass gasification in Fluidized bed using Aspen plus	oral	6th International Conference on Chemical, Biological and Environmental Sciences (ICCEBS 2015) September 13-14, 2015, Dubai. United Arab Emirates (UAE)
12	**K. Anand Kishore** and G. Venkat Reddy	Statistical and experimental screening of key variables in the biosynthesis of citric acid from sucrose	Oral	International Conference on Computational Heat and Mass Transfer (ICCHMT-2015) during Nov.30-Dec02, 2015, Dept. of Mathematics, NIT Warangal
13	P. Manjula. Sunil Kumar Thamida	Dynamic simulation of emulsion formation in microchannels	Poster	ICACE, NITK Surathkal, Dec 20-22, 2015
14	DorcaPolamuri, Sunil Kumar Thamida	Simulation of Natural Convection in Diamond Shaped Cavity Filled with Air or Water	Oral	ICACE, NITK Surathkal, Dec 20-22, 2015
15	Liyakhath Ahmed Shaik, Sunil Kumar Thamida	Effect of scan rate and pre-immersion time on polarization characteristics of stainless steel in NaCl solution	Oral	CORCON, Nov 19-21, 2015, Chennai
16	Kavitha G. Menon, **P. V. Suresh**	CFD simulation of chemical looping combustion of coal	Oral	ICACE, NITK Surathkal, Dec 20-22, 2015
17	Ranganayakulu R., **G.UdayBhaskarBabu**	Progression of MPC - Over the Agesl	Poster	ICACE, NITK Surathkal, Dec 20-22, 2015
18	ArunaPagidi. **S. Muralimohan**	Studies on Membranes for Direct Methanol Fuel Cell	Oral	ICM 2015,21-24 August 2015, Kochi, Kerala, India
19	Ritesh Ramesh Palkar, **VidyasagarShilapuram**	Model development for the prediction of hydrodynamics of liquid-solid circulating fluidized bed-a mechanistic approach	Oral	CHEMCON-2015, 27th – 30th, Guwahati, December 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	OnkaraPerumal and **Y. Pydi Setty**	MicroRNA studies in Diabetes Mellitus - Opportunities & Challenges: An Indian Scenario in Recent Trends in Biotechnological Application in Diabetes Mellitus (RTBACD-16)	Oral	National conference at JNTU Kakinada during March 22-23, 2016.
2	Prashant I. Suryawanshi, Udaybagale, Shirishh.Sonawane.	Synthesis of Palladium Nanoparticles as a Catalyst for PEM Fuel Cell Applications	oral	National Conference on Chemistry of Chalcogens (NC3-2015) DIAT Pune Jan 12-13 2015

* Name of the Faculty of the Department to be emboldened

COMPUTER SCIENCE AND ENGINEERING DEPARTMENT:

A. Publications

i) Peer – Reviewed International Journal Publications :

S. No.	Authors (*)	Title of the Paper	Journal Details (Journal, Year, Vol., pp)
1	Purushothama B.R, **B. B. Amberker**	*Provably Secure Public Key Cryptosystem with Limited Number of Encryptions for Authorized Sharing of Outsourced Data*	*Int. J. of Cloud Computing*, Vol. 4, No.4 pp. 317 - 334, 2015
2	S. Chebrolu and **S.G. Sanjeevi**	Forward tentative selection with backward propagation of selection decision algorithm for attribute reduction in rough set theory	International Journal of Reasoning based Intelligent Systems (SCOPUS), Inderscience, Vol 7, No. 3-4, pp 221-243.
3	**R.Padmavathy,** Chakravarthy Bhagvati	A New Method for Computing DLP Based on Extending Smooth Numbers to Finite Field for Ephemeral Key Recovery	International Journal of Network Security, Vol.17, No.3, PP.251-262, May 2015
4	**R. R. Rout,** M. S. Krishna, S. Gupta	Markov Decision Process-Based Switching Algorithm for Sustainable Rechargeable Wireless Sensor Networks	IEEE Sensors Journal, Vol. 16, No. 8, pages: 2788-2797, 2016.
5	**T Ramakrishnudu** and R B V Subramanyam,	"Mining infrequent weighted itemsets from very large data based on MapReduce model"	International Journal of Advances in Computer Science and its Applications, Vol.5 No 2, October 2015, pp.296-300.
6	**T Ramakrishnudu** and R B V Subramanyam,	"Mining interesting infrequent itemsets from very large data based on MapReduce Framework"	International Journal of Intelligent Systems and Applications, Vol. 7 No. 7, June 2015, pp. 44-49.

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	S. Chebrolu and **S.G. Sanjeevi**	Attribute Reduction on Continuous Data in Rough Set Theory using Ant Colony Optimization Metaheuristic	Oral	ACM Proceedings of the Third International Symposium on Women in Computing and Informatics (WCI-2015) 10 - 13 August 2015, pp. 17-24.
2	**S.G.Sanjeevi,** Aluguvelli Sindhu, Shrutika Pimpalkar, Sujith .S.A.,	" Efficient Algorithm For Mining High Utility Item Sets From Large Datasets Using Vertical Approach",	Oral	International Conference on Engineering and Technology, April 5th, 2015, Hyderabad.
3	**U. S. N Raju,** Irlanki Sandeep, Nattam Sai Karthik, Rayapudi Siva Praveen, Mayank Singh Sachan	"Weighted Finite Automata Based Image Compression on Hadoop MapReduce Framework",	Oral	**IEEE BigData Congress 2015,** NewYork, New York, USA, June 27 - July 2, 2015.
4	**U.S.N. Raju,** Shibin George, V Sairam Praneeth, Ranjeet Deo, Priyanka Jain	"Content Based Image Retrieval on Hadoop Framework",	Oral	**IEEE BigData Congress 2015,** NewYork, New York, USA, June 27 - July 2, 2015.
5	**U.S.N.Raju,** N.Kishan Varma, Harikrishna Pariveda, Kotte Abhilash Reddy	"Query Object Detection in Big Video Data on Hadoop Framework",	Poster	**IEEE International Conference** on Multimedia Big Data, **BigMM2015,** Beijing, China, April 20-22, 2015.
6	**R. R. Rout** and Sravani Balne	Trust Based Routing in Resource Constrained Cellular Disruption Tolerant Networks	Oral	3rd International Conference on Applications and Innovations in Mobile Computing (AIMoC) 2016, Jadavpur University, Kolkata, pages: 63-70. 2016.

Ii) National Presentations

S. No.	Authors (*)	Title of the Paper	Oral / Poster	Event Details (Event, Place, Dates)
1	**Rashmi Ranjan Rout,** Sravani Balne	Trust Based Routing in Resource-Constrained Cellular Delay Tolerant Networks	3rd International Conference on "Applications and Innovations in Mobile Computing (AIMoC 2016), Jadavpur University, Kolkata, India (10th Feb to 12th Feb, 2016)	Pages: 63-70, 10-12 Feb 2016.

* 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	S Kacham, B Birru, Sr Parcha, R Baadhe	Limbal stem cell deficiency: special focus on tracking limbal stem cells	***Turkish Journal of Biology***, 40
2	B. Sumithra, Urmila Saxena, Asim Bikas Das	Alternative splicing within the Wnt signaling pathway: role in cancer development	***Cellular Oncology*** 2016, 39, 1-13.
3	Urmila Saxena, Asim Bikas Das	Nanomaterials towards fabrication of cholesterol biosensors: Key roles and design approaches	***Biosensors and Bioelectronics*** 2016, 75, 196–205
4	Reddy, E. R., **Babu, R. S.**, Chandrasai, P.D., & Madhuri,P	Exploration of the binding modes of L-asparaginase complexed with its amino acid substrates by molecular docking, dynamics and simulation	***3 Biotech***.2016,*6*(1), 1-8.
5	Sikwal, N. R., Sonawane, S. H., Bhanvase, B. A., Ramisetty, K., Pinjari, D. V., Gogate, P. R., & **Babu, R. S**	Ultrasound-assisted preparation of ZnO nanostructures: understanding the effect of operating parameters	***Green Processing and Synthesis***,2016, *5*(2), 163-172
6	Erva, R. R., **Rajulapati, S.B.**, Potla Durthi, C., Bhatia, M., & Pola, M	Molecular dynamic simulations of *Escherichia coli* L-asparaginase to illuminate its role in deamination of asparagine and glutamine residues	***3 Biotech,2015, 6***(1), 1-7
7	Mechiri, S. K., Vasu, V., & **Babu, S**	Thermal Conductivity of Cu-Zn Hybrid Newtonian Nanofluids: Experimental Data and Modeling using Neural Network	***Procedia Engineering***, 2015,*127*, 561-567
8	Asif raza, **V. Kohila,** Siddhartha Sankar Ghosh.	Redesigned *Escherichia coli* cytosine deaminase: a new facet of suicide gene therapy	THE JOURNAL OF GENE MEDICINE, 17: 132-139, 2015

* 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	VSPK Sankara Aditya J, **Asim Bikas Das,** Urmila Saxena	Microarray Data Analysis to Identify Prognostic Breast Cancer Biomarkers	Poster	International Conference On "EMERGING BIOTECHNOLOGIES ". Kakatiya University, Warangal, India, January 2016
2	Sumithra.B, **Asim Bikas Das**	Oncogenic Sam68 links Signaling Pathways and Alternative Splicing	Poster	9th Indo Global Summit on Cancer Therapy, Hyderabad, India, November 2015.
3	Sumithra.B, **Asim Bikas Das,**	Transcriptional regulation and protein-protein interaction networks of human Oncogenic splicing factor Sam68	Poster	International conference on Stem cells and Cancer (ICSCC) 2015, Pune, India, October 2015

4	VSPK Sankara Aditya J, **Asim Bikas Das**, Urmila Saxena	Identification of Potential Biomarkers for Early Detection of Breast Cancer Through In Silico Approaches	Poster	9th Indo Global Summit on Cancer Therapy, Hyderabad, India, November 2015.
5	**P. Onkara Perumaland** Y. Pydi Setty	Meta-Analysis Of Diabetic Microarray Data Sets To Probe The Role Of Discoidin Domain Receptors (Ddr)S In Diabetes Mellitus	Poster	International Conference On "Emerging Biotechnologies " 28th -30th January, 2016, Department Of Biotechnology, Kakatiya University, T.S. India
6	**P. Onkara Perumaland** Y. Pydi Setty	"Microrna Studies In Diabetes Mellitus -Opportunities & Challenges: An Indian Scenario"	Poster	DBT Sponsored Two Day National Conference "Recent Trends In Biotechnological Applications To Control Diabetes Mellitus" On 22 & 23 March 2016. Jntuk, Kakinada, A.P. India
7	Ninian Prem Prashanth P, Aditya Velidandi and Dr. Rama Raju. B	Identification, Isolation and Characterization of lignocellulose degrading bacteria from soil source	Poster	International Conference On "Emerging Biotechnologies " 28th -30th January, 2016, Department Of Biotechnology, Kakatiya University, T.S. India
8	**V. Kohila**	Solar driven water disinfection by ozonization using phytoplankton: An overview	Poster	International Conference on Innovations in Sustainable Water & Waste water Treatment Systems **(ISWATS-2016)**. Pune. India.
9	**V. Kohila**	Restructured Rubisco for enhanced biosequestration of carbon dioxide by effective bioprecipitation of calcium carbonate	Poster	International Conference on Recent Trends in Biosciences **(ICRTB-2016)**. [Poster Presentation; **Awarded Second Prize**], Alagappa University, Karaikudi.
10	**Prakash Saudagar** & Vikash Kumar Dubey	Betulin attached to functionalized carbon nanotubes showed better efficacy against Leishmania parasite	**Poster**	2nd International Conference on Infectious Diseases and Nanomedicine-2015 (ICIDN-2015), Kathmandu, Nepal, December 15-18,2015

* Name of the Faculty of the Department to be emboldened

MATHEMATICS DEPARTMENT:

A. Publications

i)Peer – Reviewed International Journal Publications

S. No.	Authors (*)	Title of the Paper	Journal Details (Journal, Year, Vol., pp)
1	G. Ravi Kiran and **G. Radhakrishnamacharya**	Effect of Homogeneous and Heterogeneous Chemical Reactions on Peristatic Transport of a Jeffrey Fluid through a Porous Medium with Slip Condition	Journal of Applied Fluid Mechanics, Vol 8(3),521-528, 2015
2	N. Santhosh and **G. Radhakrishnamacharya** and A. J. Chamkha	Flow of a Jeffrey Fluid through a Porus Medium in Narrow Tubes	Journal of Porus Media, Vol. 18(1), 71-78, 2015
3	K. Vajravelu, Gurju Awgichew and **G. Radhakrishnamacharya**	The effects of slip condition and multiple stenoses on micropolar fluid flow through a channel of non-uniform cross section	International Journal of Biomathematics, Vol, 8(4), 1-9, 2015
4	Dharmendra Tripathi, O. Anwar Beg, Praveen Kumar Gupta, **G. Radhakrishnamacharya** and Jagannadh Mazumdar	DTM Simulation of Peristaltic Viscoelastic Biofluid Flow in Asymmetric Porous Media: A Digestive Transport Model	Journal of Bionic Eng., 12, 643-655, 2015
5	G. Ravi Kiran and **G. Radhakrishnamacharya**	Effect of Homogeneous and Heterogeneous Chemical Reactions on Peristaltic Transport of an MHD Micropolar Fluid with wall Effects	Mathematical Methods in the Applied Sciences, 39(6), 1349-1360, 2016
6	G. Ravikiran, **G. Radhakrishnamacharya** and O. Anwar Beg	Peristaltic Flow and Hydrodynamic Dispersion of a Reactive Micropolar Fluid Simulation of Chemical Effects in the Digestive Process	J. of Mechanics in Medicine and Biology, 17(2), 1750013, 1-17, 2017
7	**YNR** with 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*
8	**YNR with LP**	Initial Value Method Extended for General Singular Perturbation Problems	*American Journal of Numerical Analysis, 2015, 3(1), pp25-29*

9	**YNR with BSL, KP**	Computational Method for Singularly Perturbed Delay Differential Equations with Layer or Oscillatory Behaviour,	Applied Mathematics and Information Sciences, 10 (2), pp. 1-10, 2016.
10	**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	International Journal of Applied Mathematics and Statistical Sciences, Vol.4(3), May, 2015, pp.15-28
11	**K.N.S.Kasi Viswanadham &** S.M.Reddy	Numerical Solution of sixth order boundary value problems by Petrov-Galerkin method with quartic B-splines as basis functions and sextic B-splines as weight functions	ARPN Journal: Journal of Engineering and Applications, Vol.10(10), June, 2015, pp.4720-4727
12	**K.N.S.Kasi Viswanadham&** S.M.Reddy	Numerical Solution of seventh order boundary value problems by Petrov-Galerkin method with quintic B-splines as basis functions and septic B-splines as weight functions	International Journal of Computer Applications, Vol.122(5). July, 2015, pp.41-47
13	**K.N.S.Kasi Viswanadham &** B.Sreenivasulu	Numerical Solution of tenth order boundary value problems by Galerkin method with septic B-splines	International Journal of Applied Science and Engineering, Vol. 13(3), September, 2015, pp. 247-260
14	**K.N.S.Kasi Viswanadham &** S.M.Reddy	Numerical Solution of ninth order boundary value problems by Petrov-Galerkin method with quintic B-splines as basis functions and septic B-splines as weight functions	Procedia Engineering, Vol.127, 2015, pp.1227-1234.
15	**K.N.S.Kasi Viswanadham&** B.Sreenivasulu	Numerical Solution of eighth order boundary value problems by Galerkin method with septic B-splines	Procedia Engineering, Vol.127, 2015, pp.1370-1377.
16	**J V Ramana Murthy** and M Phani Kumar	Exact solution for flow over a contaminated fluid sphere for stokes flow	Journal of Physics: Conference Series 662 (2015) 012016 doi:10.1088/1742-6596/662/1/012016
17	**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	Journal of Physics: Conference Series 662 (2015) 012015
18	**J V Ramana Murthy,** G.S.Bhaskara Rao and T.Govinda Rao	Resonance Type Flow Due to Rotary Oscillations of a Sphere in a Micropolar Fluid	Procedia Engineering 127 (2015) 1323 – 1329
19	**J V Ramana Murthy** and J. Srinivas	First and Second Law Analysis for the MHD Flow of Two Immiscible Couple Stress Fluids between Two Parallel Plates	Heat Transfer—Asian Research, 44 (5), 2015
20	J. Srinivas and **J V Ramana Murthy**	Thermodynamic Analysis for the MHDFlow of Two Immiscible Micropolar Fluids between two Parallel Plates	Frontiers in Heat and Mass Transfer (FHMT), 6, 4 (2015)
21	J. Srinivas, **J V Ramana Murthy&** K. S. Sai	Entropy Generation Analysis of the Flow of Twoimmiscible Couple Stress Fluids between two Porous Beds	Computational Thermal Sciences, 7 (2): 123–137 (2015)
22	P. Aparna, **J V Ramana Murthy** and G. Nagaraju	Slow Steady Rotation of a Permeable Sphere in an Incompressible Couple Stress Fluid	International Journal of Mathematical Archive-6(2), 2015, 1-9
23	J. Srinivas and **J V Ramana Murthy**	Flow of Two Immiscible Couple Stress Fluids between Two Permeable Beds	Journal of Applied Fluid Mechanics , Vol. 9, No. 1, pp. 501-507, 2016.
24	V. K. Narla, K. M. Prasad and **J V Ramana Murthy**	Second Law Analysis of a Peristaltic flow of an Incompressible Viscous Fluid in a Curved Channel	Vol 89, № 2(2016) UDC 531.25 (J. Engineering Physics and Thermophysics)pp 428-434
25	J. Srinivas and **J V Ramana Murthy**	Second Law Analysis of the Flow of Two Immiscible Micropolar Fluids between Two Porous Beds	ISSN 1810-2328, Journal of Engineering Thermophysics, 2016, Vol. 25, No. 1, pp. 126–142.
26	**D Dutta,** Pavan Kumar	A partial...number approach	CrORR, 2015, 6, 321-334
27	**Srinivasacharya, D.** and G. Swamy Reddy,	"Chemical reaction and radiation effects on mixed convection heat and mass transfer over a vertical plate in power-law fluid saturated porous medium",	Journal of the Egyptian Mathematical Society, Vol. 24, pp. 108–115, 2016
28	**Srinivasacharya, D.** and Surender, O.,	Natural convection in a non-darcy porous medium with double stratification and cross diffusion effects	Heat Transfer Research,Vol 47 (1), pp. 29–40, 2016
29	RamReddy, Ch. , Pradeepa,T. and **Srinivasacharya, D**	Numerical Study of Mixed Convection Flow of a Micropolar Fluid Towards Permeable Vertical Plate with Convective Boundary Condition	Journal of Applied Analysis and Computation,Vol. 6 (2), pp. 254 – 270, 2016
30	**Srinivasacharya, D.** and Vijay Kumar, P	Free Convection of a Nanofluid over an Inclined Wavy Surface Embedded in a Porous Medium with Wall Heat Flux	Procedia Engineering,Vol.127, Pp. 40 – 47, 2015

31	**Srinivasacharya, D.**, RamReddy ,Ch., Naveen, P., and Surender, O.,	Non-Darcy Mixed Convection Flow past a Vertical Porous Plate with Joule Heating, Hall and Ion-Slip Effects	Procedia Engineering, Vol.127, Pp. 162 – 169, 2015
32	**Srinivasacharya, D.**, Bhuvanavijaya. R. and Mallikarjuna,B.,	Dispersion Effects on Mixed Convection over a Vertical Wavy Surface in a Porous Medium with Variable Properties.,	Procedia Engineering, Vol.127, Pp. 271 – 278, 2015
33	Pranitha, J., Venkata Suman, G., **Srinivasacharya, D**	Effects of Double Dispersion on Mixed Convection in a Power-law Fluid Saturated Porous Medium with Variable Properties using Lie Scaling Group Transformations	Procedia Engineering, Vol.127, Pp. 362 – 369, 2015
34	**Srinivasacharya, D.**, Mallikarjuna, B. and Chandrasekhara, G.,	Convective Heat Transfer Flow along a Sinusoidal Wavy Surface in a Porous Medium with Variable Permeability	Procedia Engineering, Vol.127, Pp. 524 – 530, 2015
35	**Srinivasacharya, D.** and Swamy Reddy, G.,	Mixed Convection on a Vertical plate in a Power-law fluid Saturated Porous Medium with Cross Diffusion Effects.,	Procedia Engineering, Vol.127, Pp. 591 – 597, 2015
36	**Srinivasacharya, D.** and Madhava Rao,G.,	MHD Effect on the Couple Stress Fluid Flow Through a Bifurcated Artery	Procedia Engineering, Vol.127, Pp. 877 – 884, 2015
37	**Srinivasacharya, D.** and Surender, O.,	Double Stratification Effects on Mixed Convection along a Vertical Plate in a Non-Darcy Porous Medium.,	Procedia Engineering, Vol.127, Pp. 986 – 993, 2015
38	**Srinivasacharya, D.**, Upendar Mendu and Venumadhav,K	MHD Boundary Layer Flow of a Nanofluid Past a Wedge	Procedia Engineering, Vol.127, Pp. 1064 – 1070, 2015
39	**Srinivasacharya, D.** and Hima Bindu, K	.Effect of Magnetic Field on Entropy Generation due to Micropolar Fluid Flow in a Rectangular Duct.	Procedia Engineering, Vol.127, Pp. 1150 – 1157, 2015
40	**Srinivasacharya, D.**, Chamkha, A.J. ., Surender, O., and Rashad, A.M,	Natural convection on a porous vertical plate in a doubly stratified non-Darcy porous medium".	Frontiers in Heat and Mass transfer, Vol. 6, **19, 2015**
41	**Srinivasacharya, D.** and Vijay Kumar P.,	Mixed convection over an inclined wavy surface embedded in a nanofluid saturated porous medium	International Journal of Numerical Methods for Heat and Fluid Flow. Vol 25(8), pp. 1774-1792, 2015
42	K. Kaladhar, S.S. Motsa,**Srinivasacharya,D.**	Thermal Radiation and Diffusion Effects on Natural Convection Flow of Couple Stress Fluid in a Vertical Channel	Progress in Computational Fluid Dynamics - An International Journal, Vol 15(6), pp 388-395, 2015
43	**Srinivasacharya, D.** and Surender, O.,	Non-Darcy natural convection from a vertical plate with uniform wall temperature and concentration in a doubly stratified porous medium	J. App. Mech. Tech. Physics, Vol 56 (4), pp.590 – 600, 2015
44	**Srinivasacharya,D.**, B. Mallikarjuna, R. Bhuvanavijaya,	Radiation effect on Mixed Convection over a Vertical Wavy Surface in Darcy Porous Medium with Variable Properties",	Journal of Applied Science and Engineering, Vol. 18, No. 3, pp. 265-274, 2015
45	**Srinivasacharya, D.** and Krishna Prasad, M.,	Rotation Of A Porous Approximate Sphere in an Approximate Spherical Container	Latin American Applied Research, Vol. 45, pp.107-112, 2015
46	**Srinivasacharya, D.** and Vijay Kumar P., "	Mixed convection over an inclined wavy surface in a nanofluid saturated non-Darcy porous medium with Radiation effect".	Int. J. Chemical Engg.Vol.2015, Article ID 927508, 15 pages, 2015
47	**Srinivasacharya, D.** and Himabindu, K.,	Entropy Generation in a Micropolar Fluid Flow Through an Inclined Channel with Slip and Convective Boundary Conditions",	Energy, Vol. 91 Pp. 72-83, 2015
48	**Srinivasacharya, D.** and Vijay Kumar P.,"	Radiation effect on natural convection over an inclined wavy surface embedded in a non-darcy porous medium saturated with a nanofluid",	Journal of Porous Media , Vol.18 (8), Pp.777-789, 2015
49	**Srinivasacharya, D.** and Upendar Mendu,	Thermal radiation and Chemical reaction effects on MHD free convection heat and mass transfer in a micropolar Fluid	Turkish J. Eng. Env. Sci, Vol. 38: pp.184 – 196,2015
50	**P.Muthu** and M Varunkumar	Mathematical model of flow in a tube with an overlapping constriction and permeability	Procedia Engineering, Vol:127,p:1165-1172. (2015).
51	**H.P. Rani,** G Janardhana Reddy, C.N. Kim, Y. Rameshwar	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;
52	K. Appi Reddy and **T. Kurmayya**	Moore-Penrose inverses of Gram matrices Leaving a cone invariant in an indefinite inner product space	Special matrices, 3(1), 155-162, 2015.
53	**T. Kurmayya** and G. Ramesh	Cone nonnegativity of Moore-Penrose inverses of unbounded Gram operators	Annals of Functional Analysis, 7(2), 338-347, 2016.

54	**Ch.RamReddy, K. Kaladhar, D. Srinivasacharya and T. Pradeepa**	Influence of Soret, Hall and Joule heating effects on mixed convection flow saturated porous medium in a vertical channel-an analytical solution	Open Eng. 2016; 6:10–21 (Indexed in Scopus)
55	S. Shaw, **Ch. RamReddy,** P.V.S.N. Murthy, P. Sibanda	Dual solutions for homogeneous-heterogeneous reactions on stagnation point flow over a stretching/ shrinking sheet in a non-Darcy porous medium saturated with a nanofluid	Journal of Nanofluids, 5(3) (2016) 408-415, Indexed in Emerging Sources Citation Index (Thomson Reuters)
56	**Ch.RamReddy,** O.Surender, Ch.Venkata Rao, T.Pradeepa	Adomian Decomposition Method for Hall and Ion-Slip Effects on Mixed Convection Flow of a Chemically Reacting Newtonian Fluid Between Parallel Plates with Heat Generation/Absorption	Accepted in Propulsion and Power Research (Elsevier Journal), 2016
57	**Ch. RamReddy,** T. Pradeepa	Spectral Quasi-Linearization Method for Homogeneous-Heterogeneous Reactions on Nonlinear Convection Flow of Micropolar Fluid Saturated Porous Medium with Convective Boundary Condition	Open Eng. 2016; 6:106–119 (Indexed in Scopus)
58	**Ch. RamReddy,** RR Kairi and N. RajiReddy	Combined radiation and thermo-diffusion effects on natural convection over a melting plate in porous medium saturated with an electrically conducting fluid of variable viscosity	Procedia Engineering 127 (2015) 1095 – 1101 (Elsevier Journal) (Indexed in Scopus)
59	**Ch.RamReddy,** T.Pradeepa, Ch.Venkata Rao, O.Surender, M.Chitra	Analytical Solution of Mixed Convection Flow of a Newtonian Fluid Between Vertical Parallel Plates with Soret, Hall and Ion-Slip Effects: Adomian Decomposition Method	Int. J. Appl. Comput. Math, DOI 10.1007/s40819-015-0127-6 (Springer Journal)
60	D.Srinivasacharya, **Ch.RamReddy,** P.Naveen, O.Surender	Non-Darcy Mixed Convection Flow Past a Vertical Porous Plate with Joule Heating, Hall and Ion-Slip Effects	Procedia Engineering 127 (2015) 162 – 169 (Indexed in Scopus)
61	**Ch.RamReddy,** Ch.Venkata Rao, O.Surender	Soret, Joule heating and Hall effects on free convection in a Casson fluid saturated porous medium in a vertical channel in the presence of viscous dissipation	Procedia Engineering 127 (2015) 1219 – 1226 (Indexed in Scopus)
62	**Ch.RamReddy,** T.Pradeepa	The Effect of Suction/Injection on Free Convection in a Micropolar Fluid Saturated Porous Medium under Convective Boundary Condition	Procedia Engineering 127 (2015) 235 – 243 (Indexed in Scopus)
63	**Ch.RamReddy,** T. Pradeepa and D. Srinivasacharya	Numerical Study of Mixed Convection Flow of a Micropolar Fluid Towards Permeable Vertical Plate with Convective Boundary Condition	Journal of Applied Analysis and Computation 6(2), 254-270 (2015) (Indexed in SCIE, MathSciNet)
64	A.M.Rashad, A.J.Chamkha, **Ch.RamReddy,** P.V.S.N.Murthy	Effect of Viscous Dissipation on Mixed Convection in a Nanofluid Saturated Non-Darcy Porous Medium Under Convective Boundary Condition	Journal of Nanofluids, 4 (2015) 548-559, Indexed in Emerging Sources Citation Index (Thomson Reuters)
65	**Ch. RamReddy,** P.A. Lakshmi Narayana and S.S. Motsa	A spectral relaxation method for linear and non-linear stratification effects on mixed convection in a porous medium	Applied Mathematics and Computation 268 (2015) 991–1000 (Indexed in SCI, Scopus, Mathematical Reviews)
66	RR Kairi and **Ch. RamReddy**	The effect of melting on mixed convection heat and mass transfer in non-Newtonian nanofluid saturateed in porous medium	Frontiers in Heat and Mass Transfer, 6, 6 (2015), (Indexed in Scopus)
67	**Ch.RamReddy,** T. Pradeepa and D. Srinivasacharya	Similarity Solution for Free Convection Flow of a Micropolar Fluid under Convective Boundary Condition via Lie Group Transformations	Advances in High Energy Physics (2015), Article: ID 650813,16 Pages, Impact factor = 2.62 and (Indexed in SCIE, Scopus, Mathematical Reviews)
68	Ch. Madhava Reddy, T.K.V. Iyengar, **Ch. RamReddy,** B. Krishna Gandhi	Effects of cross-diffusion on unsteady natural convection past a vertical flat plate in an electrically conducting doubly stratified fluid saturated Brinkman porous medium	Procedia Engineering 127 (2015) 1263 – 1270 (Elsevier Journal) (Indexed in Scopus)

*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)
NIL			

*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	**K.N.S.Kasi Viswanadham** & S.M.Reddy	Numerical Solution of ninth order boundary value problems by Petrov-Galerkin method with quintic B-splines as basis functions and septic B-splines as weight functions	Oral	International Conference on Heat and Mass Transfer,Dept. of Mathematics, NIT, Warangal, 11-13, December, 2015
2	**K.N.S.Kasi Viswanadham**& B.Sreenivasulu	Numerical Solution of eighth order boundary value problems by Galerkin method with septic B-splines	Oral	International Conference on Heat and Mass Transfer, Dept. of Mathematics, NIT, Warangal, 11-13, December, 2015
3	**D Dutta &G** Nithish Kumar	A fuzzy. ...interval approach	Oral	ORS 2016, Singapore, Jan 18-19,2016
4	**Srinivasacharya, D.** and Vijay Kumar, P	Free Convection of a Nanofluid over an Inclined Wavy Surface Embedded in a Porous Medium with Wall Heat Flux	Oral	ICCMHT – 2015 Nov 30 – Dec 2, 2015
5	**Srinivasacharya, D., RamReddy ,Ch.,** Naveen, P., and Surender, O.,	Non-Darcy Mixed Convection Flow past a Vertical Porous Plate with Joule Heating, Hall and Ion-Slip Effects	Oral	ICCMHT – 2015 Nov 30 – Dec 2, 2015
6	**Srinivasacharya, D.,** Bhuvanavijaya. R. and Mallikarjuna,B.,	Dispersion Effects on Mixed Convection over a Vertical Wavy Surface in a Porous Medium with Variable Properties.	Oral	ICCMHT – 2015 Nov 30 – Dec 2, 2015
7	**Pranitha, J.,** Venkata Suman, G., **Srinivasacharya, D**	Effects of Double Dispersion on Mixed Convection in a Power-law Fluid Saturated Porous Medium with Variable Properties using Lie Scaling Group Transformations	Oral	ICCMHT – 2015 Nov 30 – Dec 2, 2015
8	**Srinivasacharya, D.,** Mallikarjuna, B. and Chandrasekhara, G.,	Convective Heat Transfer Flow along a Sinusoidal Wavy Surface in a Porous Medium with Variable Permeability	Oral	ICCMHT – 2015 Nov 30 – Dec 2, 2015
9	**Srinivasacharya, D.** and Swamy Reddy, G.,	Mixed Convection on a Vertical plate in a Power-law fluid Saturated Porous Medium with Cross Diffusion Effects.,	Oral	ICCMHT – 2015 Nov 30 – Dec 2, 2015
10	**Srinivasacharya, D.** and Madhava Rao,G.,	MHD Effect on the Couple Stress Fluid Flow Through a Bifurcated Artery	Oral	ICCMHT – 2015 Nov 30 – Dec 2, 2015
11	**Srinivasacharya, D.** and Surender, O.,	Double Stratification Effects on Mixed Convection along a Vertical Plate in a Non-Darcy Porous Medium.,	Oral	ICCMHT – 2015 Nov 30 – Dec 2, 2015
12	**Srinivasacharya, D.,** Upendar Mendu and Venumadhav,K	MHD Boundary Layer Flow of a Nanofluid Past a Wedge	Oral	ICCMHT – 2015 Nov 30 – Dec 2, 2015
13	**Srinivasacharya, D.** and Hima Bindu, K	.Effect of Magnetic Field on Entropy Generation due to Micropolar Fluid Flow in a Rectangular Duct,	Oral	ICCMHT – 2015 Nov 30 – Dec 2, 2015
14	**H.P. Rani,** V. Narayana, Ajey Kumar Patel	comparison of divergence schemes for convective terms to solve lid driven flow in a square cavity	Oral (Paper No. 60-istam-fm-lp-221)	60th Congress of ISTAM (http://istam.iitkgp.ac.in) Held at MNIT, Jaipur-302017, Rajasthan, India, Dec. 16-19, 2015.
15	V. P. Anurada, Y. Rameshwar and **H. P. Rani**	Finite amplitude convection in a binary fluid in a porous medium	Oral (Paper No. 60-istam-fm-lp-220)	60th Congress of ISTAM (http://istam.iitkgp.ac.in) Held at MNIT, Jaipur-302017, Rajasthan, India, Dec. 16-19, 2015.
16	**H.P. Rani,** T. Divya	Non-fully developed flow in double elbow pipe under the FAC conditions	Oral	InternationalConference on New Frontiers in Chemical, Energyand Environmental Engineering, March 20-21, 2015, organised by Dept of Chemical Engineering, NITW

17	V.P.Anurada, Y.Rameshwar, **H.P.Rani** and D.Laroze	Nonlinear Convection in a Binary Fluid in a Porous Medium	Oral	InternationalConference on New Frontiers in Chemical, Energy and Environmental Engineering, March 20-21, 2015, organised by Dept of Chemical Engineering, NITW
	H.P. Rani, B.Vasu and Y. Rameshwar	Transient Bio-convective flow of a nanofluid over a vertical cylinder embedded in a non-Darcy porous medium	Oral	International Conference on New Frontiers in Chemical, Energy and Environmental Engineering, March 20-21, 2015, organised by Dept of Chemical Engineering, NITW

* 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.Muthu** M.Varunkumar	Mathematical model of flow in a doubly constricted channel with permeability - Combined effect of straight and curved boundaries	Oral	International Conference on Recent Advances in Mathematical Biology, Analysis and Applications, Organized by the Department of Applied Mathematics, Aligarh Muslim University, Aligarh (India), during 4 - 6 June, 2015.
2	**P.Muthu** M.Varunkumar	Mathematical model of flow in a tube with an overlapping constriction and permeability	Oral	International Conference on Computational Heat and Mass Transfer (ICCHMT - 2015), Organised by the Department of Mathematics, National Institute of Technolgy (N.I.T), Warangal, India, during November 30 December 2, 2015
3	J. S. V. R. Krishna Prasad and **P. Muthu**	Oscillatory flow in elastic tubes of varying cross-section with suction/injection	Oral	International Conference on Mathematical, Modelling Differential Equations, Scientific Computing and Applications (ICMMDESCA-2016) held at I.I.T, Kanpur, during March 27-29, 2016.

* Name of the Faculty of the Department to be emboldened

PHYSICS DEPARTMENT

A. Publications

i)Peer – Reviewed International Journal Publications

S. No.	Authors (*)	Title of the Paper	Journal Details (Journal, Year, Vol., pp)
1	D. Dinakar, et al.,	"Study the effect of fiber-dia on the alongside dual-plastic optical fiber vibration sensor"	Journal of Optics, Vol. 44, Issue 2, pp.128–135, April–June 2015.
2	D. Dinakar, et al.,	"Intensity Modulated Fiber Optic Three Dimensional Vibration Sensing System,"	International Journal of Electrical, Electronics and Data Communication, Vol-3, Iss-1, pp. 1-5, 2015.
3	D. Dinakar, et al.,	Intensity Modulated Fiber Optic Loop Vibration Measurement	International Journal of Advance Foundation and Research in Computer (IJAFRC) Vol. 1, Special Issue, pp.1-10, 2015.
4	N. Rajeswara Rao, T. Venkatappa Rao, S.V.S. Ramana Reddy and B. Sanjeeva Rao.	The effect of gamma irradiation on physical, thermal and antioxidant properties of kraft lignin	J. Radiation Research and Applied Sciences, 2015,8, 621-629. DOI: 10.1016/j.jrras.2015.07.003
5	N. Rajeswara Rao, T. Venkatappa Rao, S.V.S. Ramana Reddy and B. Sanjeeva Rao.	Effect of electron beam on thermal, morphological and antioxidant properties of kraft lignin	Advanced Materials Letters, 2015, 6(6), 560-565. DOI:10.5185/amlett.2015.SMS2.

6	N. Rajeswara Rao, **T. Venkatappa Rao**, S.V.S. Ramana Reddy and B. Sanjeeva Rao.	The Study of Gamma Irradiation Effects on Poly (glycolic acid)	Radiation Effects and Defects in Solids: Incorporating Plasma Science and Plasma Technology DOI:10.1080/10420150.2015.1036423, Taylor & Francis, 2015.
7	Venkata Reddy Mamidi, Srimannarayana Kamineni, L. N. Sai Prasad Ravinuthala, Manohar Martha, Sai Shankar Madhuvarasu, **Venkatappa Rao T** Shankar Madhuvarasu	High-temperature measurement using fiber Bragg grating sensor accompanied by a low-cost detection system	Journal of Applied Remote Sensing, 05/2015; 9(1): 094098.
8	A Willinger, **S. Roy**, M Santagiustina, S Combrié, A De Rossi, G Eisenstein	Narrowband optical parametric amplification measurements in Ga 0.5 In 0.5 P photonic crystal waveguides	*Optics Express*, Vol. 23, Issue 14, PP 17751-57, Jul, 2015.
9	V.S. Reddy Channua, B. Rambabu, **Kusum Kumari**, Rudolf Holze	VO2(B) @ carbon cathodes for lithium ion batteries	Colloids and Surfaces A: Physicochem. Eng. Aspects 481 (2015) 314–318.
10	**D. Paul Joseph**, J. W. Lin, N. Pavan Kumar, W. C. Chen, J.G. Lin	Isovalent Bi^{3+} Substitution Induced Structural and Magnetic Transitions in $LaMnO_3$	Journal of Magnetism and Magnetic Materials, Accepted 2nd Feb. 2016, In Press
11	S. Sambasivam, **D. Paul Joseph**, S. Asiri Naidu, K. N. Hui, K. S. Hui, B. C. Choi	Intense violet–blue emission and paramagnetism of nanocrystalline Gd^{3+} doped ZnO ceramics	Journal of Advanced Ceramics (Springer Open Access), 4(4), 300-306, 2015
12	K Uma Devi, J Arout Chelvane, Himalay Basumatary, M Ramudu, SV Kamat, **V Jayalakshmi**	Role of processing parameters on the morphology and magnetic properties Of Tb-Fe-Co thin films	Journal of Magnetism and Magnetic Materials, 2016. doi:10.1016/j.jmmm.2016.01.036
13	K Umadevi, Sandip Bysakh, J Arout Chelvane, SV Kamat, **V Jayalakshmi**	Tailoring magnetic anisotropy in Tb–Fe–Co thin films by rapid thermal annealing	Journal of Alloys and Compounds, 663 & 430-435, 2016
14	Ramesh Kandimalla, **Jayalakshmi V**, Edwin B Corgiat, and Gill KD	Understanding aspects of aluminum exposure in Alzheimer's disease development	Brain Pathology, DOI: 10.1111/bpa.12333, 2015.

* 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.,	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	AIP Conf. Proc., *Proceedings of 59th DAE Solid State Physics Symposium* 2014, 16 – 20th Dec., VIT Univ., Vellore, India. Vol. 1665, 130001-1–130001-3, 2015.

* Name of the Faculty of the Department to be emboldened

B. Presentations in Conference / Symposia etc.,

i) International Presentations

S. No.	Authors (*)	Title of the Paper	Oral / Poster	Event Details (Event, Place, Dates)
1	**D. Dinakar**, et al.,	Intensity Modulated Fiber Optic Loop Vibration Measurement, Communication		Information & Computing Technology (ICCICT-15), Punjab Technical University, India, May, 2015, Amritsar, Punjab, India.
2	P. V. N. Kishore, Nishath Ashfak Shaikh, **Sourabh Roy** and Putha Kishore.	Dual POF and prism sensor for liquid concentration measurement based on hysteresis area		SPIE Photonics Europe, Brussels, Belgium held from 3-7 April,2016.
3	**D. Paul Joseph**, J. W. Lin, N. Pavan Kumar, W. C. Chen, J.G. Lin	*Isovalent Bi^{3+} Substitution Induced Structural and Magnetic Transition in $LaMnO_3$*	Poster	International Conference on Magnetic Materials and Applications - ICMAGMA-2015 conducted by the 'Magnetics Society of India', DMRL, Hyderabad, Govt. of India, at VIT, Vellore, India from 2nd Dec. to 4th Dec. 2015.

4	R. Rathika, M. Kovendhan, **D. Paul Joseph**, P. Manimuthu, K. Asokan, C. Venkateswaran and S. Johnson Jeyakumar	*Property modification of Nb_2O_5 thin film by 100 MeV O^{7+} Ion Irradiation*	Poster	International Conference on Frontiers in Nanoscience & Nanotechnology (ICFNN), February, 26-28, 2016,Sastra University, Thanjavur 613401, 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. M. Pratheeksha, J. Sri Rajeshwari, **D. Paul Joseph**, T. N. Rao, S. Anandan,	$LiFePO_4$ as an efficient cathode materials for Li-ion battery application: Effect of ball milling and carbon coating.	Poster	7th Indo Korean Joint workshop on Green mobility and Energy Materials, Nov. 26th to 27th 2015 Hyderabad
2	P. M. Pratheeksha, J. Sri Rajeshwari, **D. Paul Joseph**, T. N. Rao, S. Anandan	Investigation of in-situ carbon coated $LiFePO_4$ as a superior cathode material for Lithium ion batteries	Poster	National conference on carbon material (NCCM 2015) Nov. 26-28 2015 held at Indian carbon society and NPL Delhi
3	M. Kovendhan, **D. Paul Joseph**, P. Manimuthu, A. Sendilkumar, K. Asokan, C. Venkateswaran and R. Mohan	200 MeV Ag^{15+} Ion Beam Irradiation Effects on Spray Deposited 5 wt% 'Li' Doped V_2O_5 Thin Film	Poster	60th DAE Solid State Physics Symposium-2015, 21st – 25th Dec. 2015, Amity University, Noida, Uttar Pradesh, India.
4	M. Kovendhan, K. Sowri Babu, **D. Paul Joseph**	Thermal Evaporation 'Ta' Doped V_2O_5 Thin Films and its Characterization	Oral (3rd Prize)	National Conference on Advances in Materials Processing and Characterization (NCAMPC-2016), 4th to 6th Jan. 2016
5	R. Veera Babu, M. Kovendhan, R. Arockiakumar, **D. Paul Joseph**	Optimization of Ultra-thin 'Ag' Films as an Alternative Transparent Conducting Electrodes	Poster	National Conference on Advances in Materials Processing and Characterization (NCAMPC-2016), 4th to 6th Jan. 2016
6	M. Kovendhan, K. Sowri Babu, **D. Paul Joseph**	Thermal Evaporation of 'Sn' metal layer over V_2O_5 thin Film and its Characterization	Poster	National Conference on Frontiers in Chemical Sciences and Technologies (FCST), 28th – 29th January 2016, Dept. of Chemistry, NIT-Warangal.

* 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	D. Sarada Kalyani, S. Srinivasa Rao, M. Srath Babu, B. V. Appa Rao and B. Sridhar	Electrochemical and surface analytical studies of carbon steel protected from corrosion in a low chloride environment containing a phosphonate-based inhibitor	Res. Chem. Intermed, 41(2015), 5007-32.
2	K. Chaitanya Kumar, and B. V. Appa Rao	Mitigation of microbially influenced corrosion of Cu- Ni(90-10) aloy in sea water environment	Journal Research on chemical Intermediates, 42(2016), 5807-23
3	Hanuma Reddy Tiyyagura, Rebeca Rudolf, Selestina Gorgieva, Regina Fuchs Godec, Boyapati Venkatappa Rao, Mantravadi Krishna Mohan, Vanja Kokol	The chitosan coating and processing effect on the physiological corrosion behavior of porous magnesium monoliths	Progress in Organic Coatings, 99(2016)147-156.
4	G. S. Rao, B. Srinivas and **A. Ramachandraiah**	Crystal Structure Analysis, Spectral, Halochromic Studies of Urea Betti Base and Its Oxazinone Derivative	Journal of Molecular Structure (in press)
5	N. Manjula, R. Balaji, K. Ramya, K. S. Dhathathreyan and **A. Ramachandraiah**	Studies on development of titanium oxide nanotube (TNT) based ePTFE–Nafion®– composite membrane for electrochemical methanol reformation	International Journal of Hydrogen Energy, 2016, 41, 8777- 8784

6	**K. Laxma Reddy** and P. Kavitha	Pd(II) complexes bearing chromone based Schiff bases: Synthesis, characterisation and biological activity	*Arabian Journal of Chemistry, 2015 In Press*
7	**K. Laxma Reddy** and P. Kavitha	Synthesis, Structural Characterization and Biological Activity Studies of Ni(II) and Zn(II) Complexes	*Bioinorganic Chemistry and Applications, 2015 In Press*
8	**Rajeswar Rao Vedula** and Krishnaiah Vaarla	Synthesis of Novel 3-(3-(5-Methylisoxazol-3-yl)-7H-[1,2,4]Triazolo[3,4-b][1,3,4]Thiadiazin-6-yl)-2H-Chromen-2-Ones	J. Heterocyclic Chem., 53, 69 (2016)
9	**Rajeswar Rao Vedula**, Krishnaiah Vaarla, Rajesh Kumar Kesharwani,Karnewar Santhosh, Srigiridhar Kotamraju, Murali Krishna Toopurani	Synthesis, biological activity evaluation and molecular docking studies of novel coumarin substituted thiazolyl-3-aryl-pyrazole-4-carbaldehydes	Bioorganic& Medicinal Chemistry Letters 25 (2015) 5797-5803
10	**Rajeswar Rao Vedula**, Krishnaiah Vaarla and Mehmet Akkurt	Crystal structure of 3-benzyl-sulfanyl-6-(5-methyl-1,2-oxazol-3-yl)-1,2,4-triazolo[3,4-b][1,3,4]thia-diazole	Acta Crystallogr E Crystallogr Commun. 2015 Nov 1; 71(Pt 11): o809-o810.
11	**Rajeswar Rao Vedula** and Thirupaiah Bade.	A Novel, Simple, and Efficient Synthesis of 3-(2-(5-(Benzylideneamino)-3-phenyl-1H-pyrazol-1-yl)thiazol-4-yl)-4-hydroxy-6-methyl-2H-pyran-2-one Derivatives via a One-Pot, Four-Component Condensation Reaction	Synthetic Communications, 2015
12	**Rajeswar Rao Vedula**, Raj Kumar Ramagiri and Murali Krishna Thupurani	Synthesis, Characterization, and Antibacterial Activity of Some Novel Substituted Imidazole Derivatives via One-pot Three-Component	Journal of Heterocyclic Chemistry, **52, 6, 1713-1717, November 2015**
13	M. Satyanarayana, K. Koteshwara Reddy, K. Yugender Goud, **K. Vengatajalabathy Gobi**	Biopolymer Stabilized Nanogold Particles on Carbon Nanotube Support as Sensing Platform for Electrochemical Detection of 5-Fluorouracil in-vitro	Electrochimica Acta **2015**, 178, 608–616.
14	K. Yugender Goud, Satyanarayana M, K. Koteshwara Reddy, **K. Vengatajalabathy Gobi**	Development of Highly Selective Electrochemical Impedance Sensor for Detection of Parts-per-billion Levels of 5-Chloro-2,4-dinitrotoluene	Journal of Chemical Sciences **2016**, 5, 763-770
15.	K. Yugender Goud, Gaëlle Catanantea, Akhtar Hayata, Satyanarayana M, **K. Vengatajalabathy Gobi**, Jean Louis Marty	Disposable and portable electrochemical aptasensor for label free detection of aflatoxin B1 in alcoholic beverages	Sensors & Actuators B **2016**, 235, 466-473.
16	M. Satyanarayana, V. Sunil Kumar, **K. Vengatajalabathy Gobi**	Biopolymer Protected Silver Nanoparticles on the Support of Carbon Nanotube as Interface for Electrocatalytic Applications	AIP Conference Proceedings **2016**, 724, 020097
17	K. Yugender Goud, Atul Sharma, Akhtar Hayata, Gaëlle Catanantea, Satyanarayana M, **K. Vengatajalabathy Gobi**, Ana Maria Gurban, Jean Louis Marty	Tetramethyl-6-carboxyrhodamine quenching-based aptasensing platform for aflatoxin B1: Analytical performance comparison of two aptamers	Analytical Biochemistry, **2016**, 1-6
18	A. Rajini, A. Ajay Kumar, C. Suman, S. Suresh, N. **Venkatathri**	Titanium aminophosphates : Synthesis, characterization and crystal violet dye degradation studies	RSC Advances, 2016, 6, 507.
19.	**Rajeswar Rao Vedula**, Raj Kumar Ramagiri and Murali Krishna Thupurani	A Facile one-step multi-component approach toward the synthesis of 3-(2-amino-4-thiazolyl)coumarins by using trimethylsilyl isothiocyanate and their antioxidant and anti-inflammatory activity	Phosphorus, Sulfur, and Silicon, 190: 1393-1397, 2015
20.	**Rajeswar Rao Vedula**, Sreenu Pavurala and Krishnaiah Vaarla	One-Pot Three-Component Synthesis of Pyrazolyl-thiadiazinyl-2*H*-chromen-2-one Derivatives	Journal of Heterocyclic Chemistry **52, 5, 1503-1505, September 2015**
21.	Raj Kumar Ramagiri, Krishnaiah Vaarla, and **Rajeswar Rao Vedula**	One-pot multicomponent synthesis of functionalized 2,5-disubstituted-1,3,4-thiadiazine derivatives	Synthetic Communications® http://dx.doi.org/10.1080/00397911.2016.1213296
22.	A. Rajini, M. Nookaraju, C. Suman, A. Ajay Kumar, N. **Venkatathri**	Titanium aminophosphates : Synthesis, characterization and orange G dye degradation studies	RSC Advances, 2015, 5, 106509.
23	A. Rajini, A. Ajay Kumar, C. Suman, N. **Venkatathri**	Titanium aminophosphates : Synthesis, characterization, antimicrobial and cytotoxicity studies.	RSC Advances, 2015, 5, 87713.
24.	A. Rajini, A. Ajay kumar, C. Suman, N. **Venkatathri**	Porous Palladium aminophosphates : Synthesis, characterization, antimicrobial and cytotoxicity studies.	RSC Advances, 2015, 5, 66964

25	A. Rajini, A. Ajay kumar, C. Suman, S. Suresh, N. **Venkatathri**	Porous Palladium aminophosphates : A study on their synthesis, characterization, and catalytic applications.	Adv. Por. Mat.2015, 3, 69.
26	Surendar Tonda, Santosh Kumar, **Vishnu Shanker***	Surface plasmon resonance-induced photocatalysis by Au nanoparticles decorated mesoporous g-C3N4 nanosheets under direct sunlight irradiation	Materials Research Bulletin, 2016, 75, 51.
27	Surendar Tonda, Santosh Kumar, **Vishnu Shanker ***	In situ growth strategy for highly efficient Ag2CO3/g-C3N4 hetero /nanojunctions with enhanced photocatalytic activity under sunlight irradiation	Journal of Environmental Chemical Engineering, 2015, 3, 852.
28.	S. ani Nagaraju, Neeli Sa narayana, Banoth Paplal, An K. Vasu,Sriram Kanvah, Bala ibramanian Sridh ar,Prabhakar Sripadi and **Dhurke Kashinath***	One-pot synthesis of functionalized isoxazole–thiolane hybrids via Knoevenagel condensation and domino sulfa-1,6-Michael/intramolecular vinylogous Henry reactions	RSC Adv., 2015, 5, 94474
29.	Sakkani Nagaraju, Neeli Satyanarayana, Banoth Paplal, Anuji K.Vasu,Sriram Kanvahb and **Dhurke Kashinath***	Synthesis of functionalized isoxazole–oxindole hybrids via on water, catalyst free vinylogous Henry and 1,6-Michael addition reactions	RSC Adv., 2015, 5, 81768
30	Banoth Paplal, Sakkani Nagaraju, Veerabhadraiah Palakollu, Sriram Kanvah,B. Vijaya Kumar and **Dhaka Kashinath***	Synthesis of functionalized 1,2,3-triazoles using Bi2WO6 nanoparticles as efficient and reusable heterogeneous catalyst in aqueous medium	RSC Adv., 2015, 5, 57842
31	*Janardhan Banothu, **Srinivas Basavoju**, Rajitha Bavantula*	Pyridinium Ylide AssistedHighly StereoselectiveOne-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, Volume 52, Issue 3, May 2015 Pages 853–860
32	*P. Sagar Vijay Kumar', L. Suresh, G. Bhargavi, **Srinivas Basavoju**, and G. V. P. Chandramouli*	Ionic Liquid-Promoted Green Protocol forThe Synthesis of Novel Naphthalimide-Based Acridine-1,8-Dione Derivatives via v Multicomponent Approach	*ACS Sustainable Chemistry and Engineering*, 2015, 3 (11), pp 2944–2950

* 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	**Rajeswar Rao Vedula** and Thirupaiah Bade.	Synthesis of substituted 3-(3-(4-hydroxy-6-methyl-2-oxo-2*H*-pyran-3-yl)imidazo-[2,1-b]thiazol-6-yl)-2*H*-chromen-2-ones and substituted 4-hydroxy-6-methyl-3-(6-phenylimidazo[2,1-b]thiazol-3yl)-2*H*-pyran-2-one derivatives	Indian Journal of Chemistry, 54B, June 2015, 811-814

* 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	Vimal Kumar, K and B.V.Appa Rao	'Corrosion control of mild steel in 1M HCl by synergistic effect of chitosan ascorbate ketimine and Cu2+ ions	Oral	CORCON-2015 NACE International, Gate Way India Section,19-21 November 2015, Chennai Trade Centre, Chennai.
2	G. S. Rao, A. K.Yadav and **A. Ramachandraiah**	Photo - Induced Transformation and Buffer Effect Studies of A Non-linear Molecule for Electrochromic Device Applications	Oral	*New Frontiers in Chemical, Energy and Environmental Engineering (INCEEE-2015)*" Organized by the Department of Chemical Engineering, National Institute of Technology Warangal, on 20-21 March, 2015.
3	Madhavi Kesari and **I. Ajit Kumar Reddy,**	"Technology Enabled Learning (TEL) to Improve Pronunciation in the Students of Professional Courses - A Study"	Poster	7th IEEE International Conference on Technology for Education, at National Institute of Technology, Warangal10-12, Dec.2015

4	B. Mayuri and **K. Laxma Reddy**	Synthesis, spectral characterization and biological activity of Cu(II), Co(II), Ni(II), Zn(II) and Pd(II) complexes of 1-(((4H-1,2,4-triazol-4-yl)imino)methyl)naphthalen-2-ol	Poster	"Metals in Genetics, Chemical Biology and Therapeutics (ICMG-2016)" Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore- 560012, February 17-20, 2016.
5	Satyanarayana M, K.Yugender Goud, **K. Vengatajalabathy 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.
6	K. Yugender Goud, K. Koteshwara Reddy, Satyanarayana M, B.V. Appa Rao, **K. Vengatajalabathy Gobi**	Development of Highly Selective Electrochemical Impedance Sensor for Detection of Parts-per-billion Levels of 5-Chloro-2,4-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.
7	V. Sunil Kumar, M. Satyanarayana, **K. Vengatajalabathy Gobi**	Synthesis and characterization of Au-Chit-Pd supported on carbon nanotubes for highly active methanol electrooxidation in alkaline media	Poster	International Conference on Materials for the Millenium (MatCon), Cochin University of Science and Technology (CUSAT), January 14-16, 2016.
8.	M. Satyanarayana, V. Sunil Kumar, **K. Vengatajalabathy Gobi**	Biopolymer Protected Silver Nanoparticles on the Support of Carbon Nanotube as Interface for Electrocatalytic Applications	Poster	International Conference on Emerging Technologies: Micro to Nano 2015, Manipal University, Jaipur, October 24-25, 2015
9.	Venkata Bharat Nishtala and **Srinivas Basavoju**	Synthesis of novel spiro indoline-pyrrolizidinone derivatives via one-pot multi component [3+2] cycloaddition reaction	Oral	6th international symposium on "Current trends in drug discovery and research". SIR-CDRI, Lucknow,5th to 28th Feb 2016
10	Vinay Pogaku and **Srinivas Basavoju**	Synthesis of novel pyrazol-azitidin-2-one derivatives.	Oral	6th international symposium on "Current trends in drug discovery and research".CSIR-CDRI, Lucknow,25th to 28th Feb 2016

* 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	Chaitanya Kumar K, Appa Rao B.V.	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	Poster	National Conference on "Frontiers in Chemical Sciences and Technologies" during 28-29 January 2016
2	Appa Rao B.V, Vimal Kumar K.	Phosphonated Xanthan Gum as Corrosion Inhibitor for Mild Steel in Aqueous Chloride Environment	Poster	National Conference on "Frontiers in Chemical Sciences and Technologies" during 28-29 January 2016
3	G. S. Rao, A. K. Yadav and **A.Ramachandraiah***	Spectral, Electrochemical and Molecular Modeling Studies of A Non-linear Schiff Base in Aqueous Buffer Media.	Oral	*Andhra Pradesh Akademi of Science Golden Jubilee Science Congress (APAS GJSC 2014)*, Organized by Andhra Pradesh Akademi o Science in association with CSIR-CCCMB and IICT, Hyderabad, 13th -15th, November, 2015.
4	A. K. Yadav, G. S. Rao and **A. Ramachandraiah***	Spectral and Molecular Modeling Studies of Some Binuclear Copper (II) and VO(IV) Complexes of a New Series of Schiff Bases of 3-Formyl Chromone and 4,4'-Diaminobiphenyls	Poster	*Andhra Pradesh Akademi of Science Golden Jubilee Science Congress (APAS GJSC 2014)*, Organized by Andhra Pradesh Akademi o Science in association with CSIR-CCCMB and IICT, Hyderabad, 13th -15th, November, 2015.
5	T. Vikram Sagar, M. Surendar,N. Lingaiah, K. S. Rama Rao, **I. A. K. Reddy** and P. S. Sai Prasad	"An efficient coke resistant catalyst for dry reforming of methane"	Oral	Chemcon-2015, IIT Guwahati, India 27-30,December 2015

6	T.Vikram Sagar, M.Surendar, D.Padmakar N. Lingaiah,K.S.Rama Rao, **I. A. K. Reddy** and P.S.Sai Prasad	"Catalytic CO_2 reforming of methane over palladium promoted nickel-cerium mixed oxide catalyst"	Poster	National Conference on "Frontiers in Chemical Sciences and Technologies, NIT Warangal, India. 28-29, January, 2016
7	Kesari Madhavi **I. A. K. Reddy**	"Multiple Intelligence (MI) -An Approach to Successful Entrepreneurship"	Oral	3rd Int. Conference on ' Next Generation Education for Entrepreneurial Engineers' (ICNGE3) SR Engg College, Warangal, 9-10, March 2016
8	K. Ramaiah and K. **Laxma Reddy**	Synthesis and Characterization of 2-amino-3-hydroxy pyridine and 2-hydroxy-1-naphthaldehyde and its Metal complexes	Oral	National Conference on "Drug Discovery and Development in Chemistry-Applications in Pharma Industry, Department of Chemistry, SV University, Titupati: 14-15 September, 2016
9	K.Ramaiah, B.Mayuri and K. **Laxma** Reddy	Synthesis and Characterization of Schiff Base Ligand (4-oxo-4H-Chromen-3-yl)methylene)benzohydrazide and its Metal(II) Complexes	Poster	National Conference on "Frontiers in Chemical Sciences and Technologies", Department of Chemistry, NIT, warangal, 28-29 January, 2016
10	B. Mayuri and K. **Laxma Reddy**	Synthesis, Characterization and Crystal Structure of Novel Schiff Base Derived from 2-Hydroxy-1-Naphthaldehyde and o-Anisidine	Oral	National Conference on "Frontiers in Chemical Sciences and Technologies", Department of Chemistry, NIT, warangal, 28-29 January, 2016
11.	Krishnaiah V and V. **Rajeswar Rao**	Synthesis and Biological Activity Evaluation of Chromenyl[1,2,4]triazolo[3,4-b[1,3,4]thiadiazin-3-yl)methyl isoindoline-1,3-Diones	Oral	Frontiers in Chemical Sciences and Technologies, NIT Warangal, 28-29th January, 2016
12.	Pavurala Sreenu and V. **Rajeswar Rao**	Synthesis, cytotoxicity and antiviral activity of 2-oxo 1,2-diphenylethylidine hydraziyl thiadiazinyl-2H-chromen-2-one derivatives via multicomponat reaction	Oral	10th International Symposium on Bio-organic Chemistry, IISER-Pune, January 11-15th, 2015.
13.	M. Satyanarayana, V. Sunil Kumar, **K.Vengatajalabathy Gobi**	Sensitive Detection of Dacarbazine at Conducting Polymer Patterned Carbon Nanotube Paste Electrode as a Sensor Interface	Poster	National Conference on Frontiers in Chemical Sciences and Technologies, National Institute of Technology Warangal, January 28-29, 2016.
14.	C. Suman, A. Ajay kumar, N. **Venkatathri**	Synthesis, characterization and Drug delivery applications of Nanocrystalline mesoporous MCM-41, SBA-15 and Core shell silica materials.	Oral	International conference on Materials for the Millenium, MATCON, 2016, Cochin University of Science and Technology, Cochin, India, 14-16th January 2016.
15.	A. Ajay kumar, N.**Venkatathri**	Synthesis and characterization of a novel porous titanium silicate/g-C3N4 Hybrid Nanocomposite catalyst for Environmental applications.	Oral	2nd International conference on emerging technologies Micro to Nano, Manipal university, Jaipur, 24-25 October 2015.
16	Venkata Bharat Nishtala and **Srinivas Basavoju**	Synthesis of Novel spiro carbamate derivatives via one-pot multicomponent approach.	Poster	National Conference on "Frontiers in chemical sciences and technologies" during 28-29 January 2015, organized by the Department of Chemistry, **NIT Warangal**
17	Vinay Pogaku and **Srinivas Basavoju**	Synthesis and characterization of thiazolidin-4-one derivatives containing pyrazole moiety.	Poster	National Conference on "Frontiers in chemical sciences and technologies" during 28-29 January 2015, organized by the Department of Chemistry, **NIT Warangal**

* Name of the Faculty of the Department to be emboldened

HUMANITIES AND SOCIAL SCIENCES DEPARTMENT

A. Publications

i) Peer – Reviewed International Journal Publications

S. No.	Authors (*)	Title of the Paper	Journal Details (Journal, Year, Vol., pp)
1.	Doreswamy & Kesari., Madhavi	Facilitating Comprehension Using Second Language. pp107-110	International Journal of Journal of English: Literature, Language & Skills Vol:4,issue-4 pp, 107-110, Jan 2016. ISSN 2278-0742.
2.	Rammohan., Kasuba Dr. Madhavi Kesari	A Systematic Study on Strategically Reading to Enhance Practical Thinking for Second Language Learners in the pp 54-65	International Journal of Scientific Engineering and Research (IJSER),Vol-4-Issue1, pp 54-65 January 2016.ISSN 2437-3878.
3.	M. Kesari & IAK Reddy	'Technology Enabled Learning (TEL) to Improve Pronunciation in the Students of Professional Courses - A Study.' Pp 109-110	IEEE Xplore Digital Library in the IEEE ConferencePublications Do1: 10.1109/T4E.2015.18: pp 109-110, December, 2015.
4.	Madhavi Kesari	"Role of Technology in fostering Socio Cognitive Skills in the Context of Teaching ESL ." pp 103-104	IEEE Xplore Digital Library in the IEEE Conference Publications Do1:10.1109 T4E.2015.17: pp 103-104,December, 2015.
5	Kesari., Madhavi and Vijay Kumar Neerudu	'Overcoming Constraints In Classroom Talk: An Over View' pp 6027-6029	'International Journal of Recent and Innovation Trends in Computing and Communication'(IJRITCC)October 2015 Volume 3 Issue 10 pp, 6027-6029. ISSN 2321-8169.
6	Rammohan., Kasuba Dr. Madhavi Kesari	Consistency of Reading Techniques to Enhance Expertised Based Language Proficiency for ESL Students.' Pp 5864-5868	International Journal of Recent and Innovation Trends (IJRI) Volume 3 Issue 10, pp; 5864-5868, October 2015; ISSN: 2321-8169.
7	Rammohan., Kasuba Dr. Madhavi Kesari	"The Creative Art of Effusive Reading to Develop Inherent Skills for E.S.L Students" pp 372-375	International Journal of Scientific Research (IJSR) Volume 4 Issue 9, pp; 372-375, September 2015; ISSN: 2277-8179.
8	Rammohan., Kasuba Dr. Madhavi Kesari	"Extensive Reading- A Technique to Enhance / Develop Better Cognition Beyond the Classroom" pp 5009-5012	International Journal of Recent Scientific Research (IJRSR) Volume-6, Issue -, August 2015 Edition, pp: 5009-5012:ISSN: 0976-3031.
9	Rammohan., Kasuba Dr. Madhavi Kesari	"Reading Parameters and Construction of Language Proficiency for Second Language Learners-A Study"	International Journal of Science and Research (IJSR) Index Copernicus Value (2013): 6.14 | Impact Factor (2013): 4.438 ; Volume 4 Issue 9, pp; 1607-1610, September 2015;pp 1607 - 1610: ISSN: 2319-7064.
10	Rammohan., Kasuba Dr. Madhavi Kesari	"The Latest Trends of Extensive Reading using Software to Develop Communication Skills' pp: 4603-4606	International Journal of Recent and Innovation Trends in Computing and Communication-(IJRITCC)Vol:3:Issue:7, pp :4603-4606 July2015,Edition (IJAHS).ISSN:2321-8169.
11	Rammohan., Kasuba Dr. Madhavi Kesari	An Anatomy of Extensive Reading in the Present World of Globalization pp 41-43	International Journal of Scientific Engineering and Research (IJSER) Volume 3 Issue 7, July 2015 pp41-43 ; ISSN (Online): 2347-3878.
12	Dr. M. Raja Vishwanathan Jaipal	Teacher Beliefs and Teaching Methods as Causal Factors in Student Reticence in English Language Laboratory Bye- or bi-lingualism: teacher views on using bilingual method in ESL classroom	Language in India; January 2016; ISSN 1930-2940; Vol. 16 (1) pp- 216-222
13	Dr. M. Raja Vishwanathan Sufiya Naheed	Bye- or bi-lingualism: teacher views on using bilingual method in ESL classroom	JOELL, ISSN: 2349-9753; Vol 3(1); Pp - 34-37 ; 2016

* 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	Madhavi Kesari	'Activity Based Language Learning to Develop Academic Writing Skills in an ELT Classroom' pp 54-65	book entitled 'Literary Voyage' An International Journal for Scholarly and Creative Writings ,Vol-II-Issue3, pp 54-65 Sep to Dec 2015. ISSN 2348-5272.
2	Doreswamy & Kesari., Madhavi.,	'Negotiating willing Suspension of disbelief- An Effective Technique in Story Telling to Develop Effective Language Skills pp122-130	book entitled 'Literary Voyage' An International Journal for Scholarly and Creative Writings ,Vol-II-Issue3, pp 122-130, Sep to Dec 2015.ISSN 2348-5272
3	Dr. M. Raja Vishwanathan Jaipal	Factors Affecting the Acquisition of Spoken English by Undergraduate Students of Engineering: A Study	Fortell, ISSN : 2394-9244, Vol 33, pp. 21-24, 2016

B. Presentations in Conference / Symposia etc.,

i) International Presentations

S. No.	Authors (*)	Title of the Paper	Oral / Poster	Event Details (Event, Place, Dates)
1.	Madhavi Kesari	'Teaching Reading through Blended Learning'	Oral	11th International and 47th Annual ELTAI Conference on the theme Content-Based Instruction (COBI) and Learning: Redefining the English Language Curriculum, organized at Vasavi Engineering College Ibrahim Bagh during 30th June -2nd July 2016.
2.	Madhavi Kesari	'Multiple Intelligence (MI) -An Approach to Successful Entrepreneurship'	Oral	3rd International Conference on ' Next Generation Education for Entrepreneurial Engineers' (ICNGE3) organised at SR Engineering College Ananthsagar, Hasanparthy, Warangal during 9th& 10th March, 2016.
3.	Madhavi Kesari	'Teacher Training and Research for Teacher Motivation and Professional Development'		3rd AINET International Conference organised by All India Network of English Teachers' (AINET) in association with British Council and The American Centre U.S. Embassy India, Nagpur, from 8-9 January 2016.
4	Madhavi Kesari	"Technology Enabled Learning (TEL) to Improve Pronunciation in the Students of Professional Courses - A Study "		in the 7th IEEE International Conference on Technology for Education IEEE T4E, December, 2015.
5	Madhavi Kesari	Role of Technology in fostering Socio Cognitive Skills in the Context of Teaching ESL		in the 7th IEEE International Conference on Technology for Education IEEE T4E, December, 2015.
6	Madhavi Kesari	"Digital Divide Media and Culture in India- Reflections and Ethical Perspectives"		International Conference on Comparative Literature & Culture (CLC) organised by the Dept. of English, Vasantrao Naik Government Institute of Arts & Social Sciences (Morris College), Nagpur, on Sept 11th and 12th 2015.
7	Madhavi Kesari	'Role of Technology in fostering Socio Cognitive Skills in the Context of Teaching ESL'		International Conference on English Studies and Women Empowerment (ICESWE) organised by the Dept. of English Vaddeswaram K.L. University, Vijayawada, from August 21-22, 2015.
8	D.S.Kesava Rao	Developing Communicative Competence of Business Communication Students of India Through Social Media and Literary Texts	Oral	4th International Conference on Language, Education and Diversity (LED 2015), Auckland, New Zealand , November 2015

* Name of the Faculty of the Department to be emboldened

i) National Presentations

S. No.	Authors (*)	Title of the Paper	Oral / Poster	Event Details (Event, Place, Dates)
1.	Madhavi Kesari	'Transforming the Identity of Women from Tradition to Modernity through Cinema :Towards Gender Equality'	Oral	Two day National Conference on **Women in Higher Education: Perspectives and Challenges in Digital ERA (WHE-2016)'** Under (TEQIP) at the NITechnology, Warangal, during 30th – 31st May, 2016.
2.	D.S.Kesava Rao	Women in Higher Education: The Male Perspective	Oral	March 30-31, NIT Warangal

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	Mr.Venugopal, **Dr.M.Ravindar Reddy**	Impact of capital structure on firm's profitability and shareholder wealth maximization:a study of listed Indian cement companies.	IOSR journal of Business and Management,ISSN:2319-7668.
2	Mr.Muhammed Shafi MK, **Dr.M.Ravindar Reddy**	Financial Inclusion Growth in India:AStudy with Reference to Pradhan Mantri Jan-Dhan Yojana(PMJDY),.	International Journal of Economics & Management Science, Vol:2,No:1 Jan-June 2016 ISSN:2229-4430
3	Mr.Saleh Ahmed Mozumder & **Dr. P.Ramlal**	A Conceptual RAMSAM Model to Evaluate theImpact of HR practices on performance of Family OwnedBusiness	*International Journal of Engineering Technology, Management and Applied Sciences*. September 2015, Volume 3, Special Issue, ISSN 2349-4476
4	Mr.Durgaprasad N&**Dr.G.Sunitha**	A Review on 10 Worst Corporate Accounting Scandals in the World	Economic Environment of Business Issues and Policy (2016), ISBN: 978-93-85000-77-5
5	Mr.vikas Bhatnagar&**S.L.Tulasi Devi**	A Study on Empowerment of Rural women in Telangana, India	International Journal of Management Research & Review, June 2015,Vol 5,Issue 6/Article No.5/380-389

* Name of the Faculty of the Department to be emboldened

i) 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	Mr.M.Venugopal, **Dr.M.Ravindar Reddy**	Impact of working capital management on firm's profitability and market value: a survey of Indian firms.	Oral	International conference on an expedition growth and sustainability in commerce and management: trends, challenges & strategies. St.Joseph Degree & PG college, Hyderabad
2	Mr.Muhammed Shafi MK, **Dr.M.Ravindar Reddy**	Impact of Capital formation of Muslims through Expatirate Financing; Emergence of New financial avenues in India.	Oral	
3	Mr. Swamy P & **Dr. Padma k** (2016)	"Sustainable Development through Agricultural Entrepreneurship"	Oral	3rd International Conference on Next Generation Education for Entrepreneurial Engineers (ICNGE3), ISBN 978-93-85477-76-8, Center For Entrepreneurship Development(CED) SR Engineering College March 2016.
4	Mr.Saleh Ahmed Mozumder & **Dr. P.Ramlal**	A Conceptual RAMSAM Model to Evaluate theImpact of HR practices on performance of Family OwnedBusiness	Oral	International Conference on Innovative Research in "Engineering, Science and Management (ESM-15)" held at JNU, New Delhi.

* 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	Mr. Muhammed Shafi MK&**Dr.M.Ravindar Reddy**	Microfinance as a Mechanism for Inclusive Growth in India: A study based on Southern Region.	Oral	St.Mary's college Hyderabad, ISBN978-93-85506-03-1 Professional Book Publisher. Hyderabad. 2015
2	Mr. Saleh Ahmed Mozumder &**Dr.P.Ramlal**	Understanding the Role of Crowdsourcing in Idea Generation	Oral	National Seminar on "Changing Business and Economic Environment in India : VISION 2020" held at Sri Aurobindo College, University of Delhi, New Delhi.

* Name of the Faculty of the Department to be emboldened

4.0 ADMINISTRATIVE AND STATUTAORY BODIES AND OTHER COMMITTEES

4.1 The Board of Governors

CHAIRMAN

Dr. Krishna M. Ella
Chairman & Managing Director,
Bharath Bio-Tech. International Ltd.
Genome Valley, Shameerpet ,Hyderabad-500 078
(up to 25-10-2015)

Prof. T. Srinivasa Rao
Chairman, BoG
(from 26-10-2015)

MEMBERS

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

Joint Secretary ,
Technical Education,
Department of Higher Education,
MHRD, Govt. of India, Shastri Bhavan,
New Delhi – 110 115

Dr. D.Yogeswara Rao
Former Adviser,
Office of the Principal Scientific Adviser to
Govt of India,
Room No.313A, Vigynan Bhavan Annexe,
Moulana Azad Road
New Delhi 110 011

Dr. Janakiram Nanduri
Industrialist, 76, Surya Enclave,
Thirmulgherry,
Secunderabad 500 015

Prof. B. V. Appa Rao
Department of Chemistry,
National Institute of Technology, Warangal.
(from 11-11-2015 to 31-01-2016)

Prof. R. C. Sastry
Department of Chemical Engineering,
National Institute of Technology, Warangal.
(from 01-03-2016 to 29-02-2016)

Prof. C. B. Kameswara Rao
Department of Civil Engineering,
National Institute of Technology, Warangal.
(from 01-03-2016)

Joint Secretary
IFD, Dept. of Higher Education,
MHRD, Govt. of India, Shastri Bhavan,
New Delhi – 110 115

Prof U.B.Desai
Director,
Indian Institute of Technology,
Ordinance Factory Estate,
Yeddumailaram -502 205

Dr. Arjula Ramachandra Reddy
Former Vice Chancellor,
Yogi Vemana University, Kadapa &
Former Professor & Dean in Department of Plant Sciences, Emeritus Professor,
University of Hyderabad,
Hyderabad 500 046

Prof. G.R.K.Acharya
Department of Mathematics,
National Institute of Technology, Warangal.
(up to 10-11-2015)

Sri A.Sarath Babu
Associate Professor,
Dept. of Chemical Engineering,
National Institute of Technology, Warangal.
(up to 01-02-2016)

Sri G. Venkateswara Rao
Department of Mechanical Engineering,
National Institute of Technology, Warangal.
(from 02-02-2016)

SECRETARY

Prof. M. Chandra Sekhar
Registrar I/c., NIT Warangal

4.2 Finance Committee

CHAIRMAN

Dr. Krishna M. Ella
Chairman & Managing Director,
Bharath Bio-Tech. International Ltd.
Genome Valley, Shameerpet ,Hyderabad-500 078
(up to 25-10-2015)

Prof. T. Srinivasa Rao
Chairman, BoG
(from 26-10-2015)

MEMBERS

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

Joint Secretary
IFD, Dept. of Higher Education,
MHRD, Govt. of India, Shastri Bhavan,
New Delhi – 110 115

Joint Secretary ,
Technical Education,
Department of Higher Education,
MHRD, Govt. of India, Shastri Bhavan,
New Delhi – 110 115

Dr. D.Yogeswara Rao
Former Adviser,
Office of the Principal Scientific Adviser to
Govt of India,
Room No.313A, Vigynan Bhavan Annexe,
Moulana Azad Road
New Delhi 110 011

Prof. G.R.K.Acharya
Department of Mathematics,
National Institute of Technology, Warangal.
(up to 10-11-2015)

Prof. B. V. Appa Rao
Department of Chemistry,
National Institute of Technology, Warangal.
(from 11-11-2015 to 31-01-2016)

Prof. R. C. Sastry
Department of Chemical Engineering,
National Institute of Technology, Warangal.
(from 01-03-2016 to 29-02-2016)

Prof. C. B. Kameswara Rao
Department of Civil Engineering,
National Institute of Technology, Warangal.
(from 01-03-2016)

MEMBER SECRETARY

Prof. M. Chandra Sekhar
Registrar I/c., NIT Warangal

4.3 Building and Works Committee

CHAIRMAN

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

Sri P.Bhagat Singh
Superintending Engineer(Civil)
Central Public Works Departments
Hyderabad

Dr. Janakiram Nanduri
Industrialist, 76, Surya Enclave,
Thirmulgherry,
Secunderabad 500 015

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

Smt. D. Asha Rani
Superintendent Engineer (R&B)
Rural Circle
Balkampet,
Hyderabad -500 016

Director
NITs
Technical Education,
Department of Higher Education,
MHRD, Govt. of India, Shastri Bhavan,
New Delhi – 110 115

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

Sri P. Harshavardhan Rao
Superintending Engineer (R&B)
Electrical Circle,
Erramanzil,
Hyderabad. (up to 09.08.2015)

Sri C. Laxman
Superintending Engineer (R&B)
Electrical Circle,
Erramanzil,
Hyderabad. (From10.08.2015)

Prof. RLN Sai Prasad
Dean, Planning & Development,
National Institute of Technology,
WARANGAL.

MEMBER SECRETARY

Prof. M. Chandra Sekhar
Registrar I/c., NIT Warangal

4.4 SENATE

Chairman

Prof. T. Srinivasa Rao, Director

Secretary
The Registrar

Members
(Department-wise)

Civil Engg.
C.B.Kameswara Rao
K.V.Jayakumar
N.V.Umamahesh
P.Anand Raj
D. Rameseshu
G. Rajesh Kumar
C.S.R.K.Prasad
Deva Pratap
M. Chandrasekhar

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

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

Electronics & Communications Engg.
K.S.R. Krishna Prasad
N.V.S.N.Sarma
T. Kishore Kumar

Metallurgical & Materials Engg.
M. Krishna Mohan
P. Suryaprakasa Rao (Rtd.on 31.12.2015)
G.V.S.Nageswara Rao
N. Narsaiah

Chemical Engg.
G. Venkat Reddy (Rtd. on 31.08.2015)
R. C. Sastry (Rtd. on 29.02.2016)
Y.Pydisetty
K. Anand Kishore

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

Biotechnology
K. Laxma Reddy

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

Physics
G. Ramachandra Reddy (Lien)
S.V.S.Ramana Reddy
L. Ramgopal Reddy
M.Sai Shankar
R.L.N.Sai Prasad

Chemistry
B. Venkata Appa Rao (Rtd. on 31.01.2016)
A. Ramachandraiah
G.V.P. Chandramouli
I. Ajit Kumar Reddy
P. Nageswara Rao
K. Laxma Reddy
V.Rajeswara Rao

Humanities & Social Sciences
D.S. Kesava Rao

SOM
K. Padma

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. Veeraragavan 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(Rtd. on 31.1.2016) 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. M.Chandrashekar, Registrar I/c.	--	Member
3	Prof.S.V.S.Ramana Reddy, Dean (SW)	--	Member
4	Prof.M.Sai Shankar, Chief Warden	--	Convener
	WARDEN REPRESENTATIVES:	--	
1	Prof. Debashish Dutta, Dy.Chief Warden	--	Member
2	Dr.S.Srinath, Dy. Chief Warden	--	Member
3	Dr.D.Vakula, Dy. Chief Warden	--	Member
			Member
	STUDENT REPRESENTATIVES:		
1	Mr.P.Arvind, Student Council President	--	Member
2	Ms.M.Divyasri, LH Representative	--	Member
	SPECIAL INVITEES:		
1	Prof. R.L.N. Sai Prasad, Dean P & D	--	Member
2	Prof. G.Radhakrishnamacharya, Prof. of Mathematics	--	Member
3	Dr M.Heera Lal, Faculty I/c. P. E. Unit	--	Member
4	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

WOMEN PROTECTION CELL

Dr. M. Sailaja Kumari — Chair Person
Dr. K. Padma — Member
Dr. K.V. Kadambari — Member

GRIEVANCES COMMITTEE

Prof. M. Sydulu — Chairman

LIBRARY ADVISORY COMMITTEE

Prof. K. Laxma Reddy — Chairman

Sl. No.	Name	Designation	Member
1	Dr. K.V.R. Ravi Shankar	Assoc. Professor	Member
2	Dr. Bhagwan K. Murthy	Professor	Member
3	Dr. K. Srikanth	Asst. Professor	Member
4	Dr. C.B. Rama Rao	Assoc. Professor	Member
5	Dr. S. Vidya Sagar	Asst. Professor	Member
6	Dr. C. Vanitha	Asst. Professor	Member
7	Dr. R.B.V. Subrahmanyam	Assoc. Professor	Member
8	Dr. K. Narsimhulu	Asst. Professor	Member
9	Dr. P. Muttu	Assoc. Professor	Member
10	Dr. K. Venugopal Reddy	Assoc. Professor	Member
11	Dr. Venkatathri Narayanan	Asst. Professor	Member
12	Dr. Rajavishwanathan	Asst. Professor	Member
13	Dr. G. Sunitha	Assoc. Professor	Member
14	Sri R. Sammi Reddy	Librarian	Member

OBC CELL

Dr. D. Dinkar	**Coordinator**

DISPENSARY COMMITTEE

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

ACCOMMODATION COMMITTEE

Prof. M. Sydulu	**Chairman**
Registrar	**Member**
Faculty I/cEngineering & Maintenance Unit	**Member**
Dy.Registrar (Admin)	**Member**

GAMES COMMITTEE

Prof. R.C. Shastry (upto 28.02.2016)	**Chairman**
Prof. G. Amba Prasada Rao (from 01.03.2016)	**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.

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

UG B.Tech. 2015-2016

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	541	243	784	247	133	361	146	58	206	82	33	115	48	13	61	15	6	21	94	26	120
II Year	612	224	836	218	103	321	164	57	221	74	33	107	46	8	54	20	2	22	90	21	111
III Year	662	179	841	236	85	321	168	43	211	89	19	108	41	7	48	24	3	27	104	22	126
IV Year	694	118	812	290	47	337	164	26	190	85	11	96	46	6	52	7	4	11	102	24	126
Total	2509	764	3273	991	368	1360	644	184	828	330	96	426	181	34	215	66	15	81	390	93	483

Remarks: (+) 60 Supernumerary

c) Students on rolls B.Tech. (Class-wise & Branch – wise) during 2015-2016

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	32+3	14+1	50	25	14	39	29	11	40	35	5	40	169
2. B.C	17+1	7+1	26	23	9	32	21	6	27	26	4	30	115
3. S.C	14+1	2	17	10	4	14	14		14	9	1	10	55
4. S.T	4	2	6	4	2	6	3	2	5	5		5	22
Total	66+5	24+2	99	62	29	91	67	19	86	75	10	85	361
II Electrical & Electronics Engineering													
1. Open	30+2	25+3	60	28	24	52	36	17	53	37	8	45	210
2. B.C	17+1	12+1	31	24	8	32	25	3	28	22	4	26	117
3. S.C	7+1	7	15	11	5	16	14	4	18	9	4	13	62
4. S.T	7+1	2	10	8	1	9	8	1	9	6	1	7	35
Total	61+5	46+4	116	71	38	109	83	25	108	74	17	91	424
III Mechanical Engineering													
1. Open	52+5	1	58	46	2	48	44	2	46	48		48	200
2. B.C	28+2	2	32	37	1	38	36		36	27		27	133
3. S.C	14+1	2	17	14	2	16	18		18	12		12	63
4. S.T	7+1	1	9	7	1	8	7	1	8	7		7	32
Total	101+9	6	116	104	6	110	105	3	108	94	0	94	428
IV. Electronics & Communication Engineering													
1. Open	31+2	23+2	58	41	15	56	37	13	50	50	8	58	222
2. B.C	20+1	10+1	32	22	8	30	18	13	31	21	4	25	118
3. S.C	6	7+2	15	9	7	16	14	2	16	15	2	17	64
4. S.T	7	2+1	10	8	1	9	6	2	8	7	1	8	35
Total	64+3	42+6	115	80	31	111	75	30	105	93	15	108	439
V. Metallurgical & Materials Engineering													
1. Open	24+1	6+1	32	17	3	20	21	6	27	21	4	25	104
2. B.C	10+2	7	19	11	4	15	15	1	16	13	3	16	66
3. S.C	8+1	2	11	8	3	11	5	3	8	6	1	7	37
4. S.T	5	0	5	4	1	5	1	1	2	6	1	7	19
Total	47+4	15+1	67	40	11	51	42	11	53	46	9	55	226
VI. Chemical Engineering													
1. Open	23+2	21+1	47	18	21	39	24	13	37	37	10	47	170
2. B.C	17+2	7	26	18	8	26	19	8	27	16	3	19	98
3. S.C	12+1	3	16	7	6	13	9	3	12	9	1	10	51
4. S.T	5+1	2	8	6	1	7	3	2	5	5	2	7	27
Total	57+6	33+1	97	49	36	85	55	26	81	67	16	83	346
VII. Computer Science & Engineering													
1. Open	29+4	25	58	40	13	53	38	14	52	46	7	53	216
2. B.C	23	7+3	33	23	11	34	31	4	35	29	3	32	134
3. S.C	13+1	3	17	14	2	16	17		17	12	2	14	64
4. S.T	7+1	1	9	7	1	8	7		7	7		7	31
Total	72+6	36+3	117	84	27	111	93	18	111	94	12	106	445
VIII. Bio-Technology													
1. Open	15+2	12+1	30	12	11	23	15	10	25	19	8	27	105
2. B.C	11	2+1	14	12	9	21	10	8	18	13	5	18	71
3. S.C	4	4+1	9	5	5	10	6	4	10	13	1	14	43
4. S.T	2	2	4	3		3	3		3	4	1	5	15
Total	32+2	20+3	57	32	25	57	34	22	56	49	15	64	234
Grant Total	501+40	223+20	784	522	203	725	554	154	708	592	94	686	2903

Remarks : (+40 & +20) Supernumerary students

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	257	136	393	227	103	330	244	86	330	293	50	343	1021	375	1396
2. B.C	152	61	213	170	58	228	175	43	218	167	26	193	664	188	852
3. S.C	84	33	117	78	34	112	97	16	113	85	12	97	344	95	439
4. S.T	48	13	61	47	8	55	38	9	47	47	6	53	180	36	216
Total	541	243	784	522	203	725	554	154	708	592	94	686	2209	694	2903

Student's Total Strength in UG Programmes: 2903

d) Admission Statistics – B. Tech Branch wise

Sl.No.	Branch	Duration	Sanctioned Intake	Actual Enrolment	
				Indians	Foreigners
1	Civil Engineering	4 Years	92	92+7	19
2	Electrical & Electronics Engineering	4 Years	108	107+9	23
3	Mechanical Engineering	4 Years	108	107+9	22
4	Electronics & Communication Engineering	4 Years	108	106+9	24
5	Metallurgical and Materials Engineering	4 Years	62	62+5	0
6	Chemical Engineering	4 Years	92	90+7	11
7	Computer Science & Engineering	4 Years	108	108+9	20
8	Bio – Technology	4 Years	62	52+5	1
	Total		**740+60**	724+60	120

Remarks : (+60) Superanumerary students

e) PG: M.Tech and M.Sc Branch wise M.C.A, M.B.A, M.Sc Tech 2015-16 batch

Sl No	Course Name	Sanctioned Intake	Open			OBC			SC			ST			PHC			QIP/Sponscred			Foreign Students			Total		
			Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Bcys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
	Engineering																									
1	Engineering Structures	25	10	2	12	6	1	7	2	1	3	1	1	2			0			0			0	19	5	24
2	Geo-Technical Engineering	25	11	2	13	4	2	6	3	0	3	0	1	1	0	1	1			0			0	18	6	24
3	Transportation Engineering	26	11	1	12	6	1	7	2	3	5	1	0	1			0			0			0	20	5	25
4	Water Resource Engineering	25	9	4	13	4	2	6	1	0	1	1	0	1			0			0			0	15	6	21
5	Remote Sensing & GIS	25	5	4	9	0	2	2	2	0	2			0			0			0			0	7	6	13
6	Environmental Engg.	25	9	3	12	6	1	7	1	1	2	1	0	1			0			0			0	17	5	22
7	Construction Techniques & Management	25	12	1	13	6	1	7	1	1	2	1	0	1			0			0			0	20	3	23
8	Power Electronics & Drives	38	14	5	19	8	2	10	3	2	5	3	0	3	1	0	1			0	1	0	1	30	9	39
9	Power Systems Engg.	38	15	2	17	10	0	10	4	3	7	3	0	3			0			0			0	32	5	37
10	Thermal Engineering	18	8	0	8	6	0	6	3	0	3	1	0	1			0			0			0	18	0	18
11	Manufacturing Engineering	18	8	0	8	5	0	5	3	0	3	1	0	1	1	0	1			0			0	18	0	18
12	Computer Intergrated Manufacturing	17	8	1	9	3	1	4	2	0	2	2	0	2			0			0			0	15	2	17
13	Machine Design	18	9	0	9	4	0	4	3	0	3	1	0	1	1	0	1			0			0	18	0	18
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	6	0	6	2	1	3	2	0	2	1	0	1			0	3	0	3			0	14	1	15
16	Additive Manufacturing	10	5	0	5	3	0	3	1	0	1			0										9	0	9
17	Electronics Instrumentation	21	5	5	10	4	2	6	2	2	4	0	1	1			0			0			0	11	10	21
18	VLSI System Desing	19	7	1	8	4	0	4	3	0	3	2	0	2	1	0	1			0			0	17	1	18
19	Advanced Communication Systems	24	7	5	12	3	3	6	2	0	2			0	1	0	1			0			0	13	8	21
20	Industrial Metallurgy	20	11	0	11	3	1	4	3	0	3	1	0	1			0			0			0	18	1	19
21	Materials Technology	24	10	1	11	6	0	6	2	1	3	1	0	1			0			0			0	19	2	21
22	Chemical Engineering	20	6	3	9	2	0	2	2	0	2			0			0			0			0	10	3	13
23	Computer Science and Engineering	20	8	2	10	4	1	5	3	0	3	1	1	2			0			0			0	16	4	20
24	Computer Science & Information Security	20	7	2	9	3	1	4	2	1	3			0	1	0	1			0			0	13	4	17
	Total	530	209	45	254	106	22	128	55	15	70	23	4	27	6	1	7	3	0	3	1	0	1	403	87	490

Sl No	Course Name	Sanctioned Intake	Open			OBC			SC			ST			PHC			QIP/Sponscred			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	8	3	11	2	4	6	0	1	1	1	1	2			0			0			0	11	9	20
2	M.Sc. Mathematics (Mathematics and Scientific Computing)	24	6	5	11	4	3	7			0			0			0			0			0	10	8	18
3	M.Sc. Tech. Engineering Physics	48	9	8	17	3	1	4	2	1	3	1	0	1			0			0			0	15	10	25
4	M.Sc. Chemistry (Organic Chemistry)	24	8	4	12	3	2	5	1	3	4	0	1	1			0			0			0	12	10	22
5	M.Sc. Chemistry (Analytical Chemistry)	24	4	5	9	5	1	6	0	1	1	0	1	1			0			0			0	9	8	17
	Total	144	35	25	60	17	11	28	3	6	9	2	3	5	0	0	0	0	0	0	0	0	0	57	45	102
1	Master in Computer Applications	46	16	5	21	9	2	11	5	1	6	3	0	3			0			0			0	33	8	41
	Master of Business Administration	62	13	8	21	6	3	9	6	2	8			0			0			0			0	25	13	38
	Grand Total	782	273	83	356	138	38	176	69	24	93	28	7	35	6	1	7	3	0	3	1	0	1	518	153	671

f) Total Enrollment for the year 2015-2016 (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	273	83	356	138	38	176	69	24	93	28	7	35	6	1	7	4	0	4	518	153	671
III-Semester	269	111	380	139	44	183	70	27	97	28	5	33	6	2	8	16	0	16	528	189	717
V- Semester	23	10	33	11	3	14	5	2	7	2	1	3	1	0	1	0	0	0	42	16	58
Grand Total	565	204	769	288	85	373	144	53	197	58	13	71	13	3	16	20	0	20	1088	358	1446

Student's Total Strength in PG Programmes: 1446

Nationality-Wise Distribution of Foreign Students in B.Tech (First to Final Year)- 2015-2016

S.No.	Country to which belongs	DASA	ICCR	MEA	MEA (SFC)	SFC	SPDC	Grand Total
1	A. P.	4						4
2	ABUDHABI	1					1	2
3	AFGHANISTAN		7	3				10
4	AUSTRALIA	2						2
5	BAHRAIN	5					1	6
6	BANGLADESH	2	9	1	1			13
7	BHUTAN		28					28
8	BOTSWANA		1					1
9	Brazil				1			1
10	Britain	1						1
11	COLOMBO						1	1
12	DOHA	1						1
13	DUBAI	16					1	17
14	ETHIOPEA		1					1
15	FIJI		3					3
16	G J	1						1
17	GERMANY			1				1
18	GUINEA	1						1
19	H R	1						1
20	HUNGARY			1				1
21	INDONESIA		1					1
22	IRAN			1				1
23	J H	1			1			2
24	JENEVA			1				1
25	K A	1						1
26	K L	5						5
27	KENYA	1	5					6
28	KUWAIT	41			1		1	43
29	M H	1						1
30	MAURITIUS		4					4
31	MOZAMBIQUE		12					12
32	MUSCAT	4			1			5
33	MYANMAR				1			1
34	NEPAL	83	1	1				85
35	Nigeria	2	1					3
36	O R	1						1
37	OMAN	14					2	16
38	QAT	33					2	35
39	R J	1						1
40	SAUDI ARAB	1		1				2
41	SAUDI ARABIA	29			1		7	37
42	Sharjah	1						1
43	SING	1						1
44	SOUTH AFRICA		1					1
45	SRIL	3	15		3	1	6	28
46	T N	5			1		1	7
47	T S	4						4

48	TANZANIA	1	3					4
49	THAILAND	2						2
50	THASHKENT				1			1
51	TIMOR		1					1
52	U A E	59					4	63
53	U P				1			1
54	U.S.A	18		1			5	24
55	UGANDA	1	1					2
56	UK	1			1			2
57	UZBEKISTAN		1					1
58	VIETNAM	1	1					2
59	YEMEN		1					1
60	ZAMBIA		2					2
	Grand Total.	**350**	**99**	**11**	**14**	**1**	**32**	**507**

5.3 Total Student Strength in the Institute (2015-2016)

Under Graduate Students	:	3273
Post Graduate Students	:	1446
Ph.D Students	:	470
Total	**:**	**5189**

5.4 Scholarships / Monetary Assistance (2015-16)

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 , II year ₹70,000/- and III, IV years ₹35,000/- with Merit Certificate.
TELANGANA STATE			
2	***SC Scholarships***		
a)	B.Tech P.G.Students :	42 3	Mess charges at the rate ₹1200/-PM for U.G and ₹820/- for P.G. students, and reimbursement of Tuition Fee for boarders.550/- P.M and reimbursement of Tuition Fee for Day Scholars.
b)	B.Tech P.G.Students Ph.D. (Humanities)	15 8 1	₹550/- P.M and reimbursement of Tuition Fee for Day Scholars.
3	**ST Scholarships**		
a)	B.Tech P.G.Students :	61 4	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 :	5 0	₹550/- PM and reimbursement of Tuition Fee for Day Scholars.
4	**BC Scholarships**		
a)	B.Tech P.G.Students :	104 13	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 :	47 26	₹429/- PM and reimbursement of Tuition Fee for Day Scholars.
5	**EBC Scholarships**		
a)	B.Tech P.G.Students :	100 16	Reimbursement of Tuition Fee UG and PG Students
6	**OC (Disabled) Scholarships**		
a)	B.Tech P.G.Students :	0 0	Mess charges at the rate ₹962/-P.M for U.G and ₹682/- for P.G. students, and reimbursement of Tuition Fee for boarders.
b)	B.Tech P.G.Students :	2 0	₹ 429/- P.M and reimbursement of Tuition Fee for Day Scholars.
7	**Minority Scholarship**		
a)	B.Tech P.G.Students :	3 1	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 :	1 0	₹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 2015-16:

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	2	24200	24200
2.	Bihar	9	509324	509324
3.	Chhattisgarh	11	288330	288330
4.	Madhya Pradesh	4	180905	180905
5.	Maharashtra	9	661500	661500
6.	Rajasthan	2	20000	20000
7.	Karnataka	1	42710	42710
		(A) Total :	**1726969**	**1726969**
B.	**Other Scholarships:**			
8.	IOCL Scholarship	16	360000	360000
9.	Visakhapatnam Steel Plant	3	54000	54000
10.	Central Sector (SC & ST) Scholarship	12	1711800	1711800
11.	Ministry of Steel Chair Professor Scholarships	10	600000	600000
12.	ONGC Scholarship	2	120000	120000
13.	NHFDC Scholarship	1	69400	69400
	(B) Total		**2915200**	**2915200**
	(A)+ (B) Grand Total:			**4642169**

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	133	25	56	47	128	96
2	Electrical and Electronics Engineering	111	31	54	25	110	99
3	Mechanical Engineering	107	36	46	25	107	100
4	Electronics and Communication Engineering	124	33	63	22	118	95
5	Metallurgical and Materials Engineering	60	11	29	20	60	100
6	Chemical Engineering	95	30	39	24	93	98
7	Computer Science and Engineering	125	39	53	29	121	97
8	Biotechnology	67	9	34	18	61	91

Top ranks in each of the branches B. Tech (Regular) from 01.07.2015 to 30.06.2016

Sl.No.	Branch	Roll No.	Name of the Student
1.	Civil Engineering	121246	Mr. Nischal Prasad Nhuchhe Pradhan
2.	Electrical & Electronics Engineering	122109	Mr. Chama Venkata Manjunatha Reddy
3.	Mechanical Engineering	123225	Mr. Kondaparthy Sai Vishnu Vardhan
4.	Electronics & Communication Engineering	124132	Mr. Kolli Srikantah Prasad
5.	Metallurgical & Materials Engineering	125102	Ms. Alle Sravani
6.	Chemical Engineering	126125	Ms. Manvita Syreddy
7.	Computer Science & Engineering	127151	Mr. Robin Om Nehra
8.	Biotechnology	128102	Ms. Aishwarya. R
9.	Civil Engineering	121246	Mr. Nischal Prasad Nhuchhe Pradhan

Examination Results for PG Courses 1.07.2015 to 30.06.2016

S.NO.	BRANCH	NO. OF STUDENTS APPEARED	PASSED	% OF PASS
	CIVIL ENGINEERING			
1	Engg.Structure	29	23	79
2	Geo-Tech.Engg.	23	21	91
3	Transportation Engg.	26	24	92
4	Water Resource Engg.	23	20	87
5	Remote Sensing & GIS	27	24	89
6	Construction Technology & Management	25	19	76
7	Environmental Engg.	26	18	69
	ELECTRICAL ENGINEERING			
1	Power Electronics and Drives	28	28	100
2	Power Systems Engg.	28	28	100
	MECHANICAL ENGINEERING			
1	Thermal Engg.	17	14	82
2	Computer Integrated Manafacturing	18	18	100
3	Manufacturing Engg.	16	14	88
4	M & SED	13	13	100
5	Machine Design	14	12	86
6	Additive Manufacturing	10	8	80
7	Automobile Engg.	17	15	88
	ELECTRONICS & COMUNICATION ENGINEERING			
1	Electronic Instrumentation	21	21	100
2	V L S I System Design	19	18	95
3	Advanced Communication Systems	22	22	100
	METALLURGICAL & MATERIALS ENGINEERING			
1	Industrial Metallurgy	19	19	100
2	Materials Technology	18	18	100
	CHEMICAL ENGINEERING			
1	Computer Aided Process&Eqp.Dsn.	16	16	100
	COMPUTER SCIENCE & ENGINEERING			
1	Computer Science&Engg.	17	17	100
2	CS & IS	19	18	95
	M.Sc. CHEMISTRY			
1	Organic Chemistry	22	20	91
2	Analytical Chemistry	19	19	100
	M.Sc. MATHEMATICS			
1	Applied Mathematics	21	16	76
2	Maths & Scientific Computing	14	12	86
	M.Sc.(TECH) ENGINEERING PHYSICS			
1	Electrtonics	7	7	100
2	Photonics	10	8	80
	MASTER OF BUSINESS ADMINISTRATION			
1	M.B.A.	46	43	93
	MASTER OF COMPUTER APPLICATIONS			
1	M.C.A.	40	40	100
	Total	**670**	**613**	**91**

6.0 CONCESSIONS FOR SCs, STs, HANDICAPPED STUDENTS AND STAFF

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	Y. Navatha	Dr. K. Venkata Reddy and Dr. Deva Pratap	Full Time	MHRD	Planning and Design of Infrastructural facilities in Rural Areas Using Advanced Geospatial Technologies
2.	T. Reshma	Dr. K. Venkata Reddy and Dr. Deva Pratap	Full Time	MHRD	Parameter Optimization for Event Based Rainfall-Runoff Model Using Soft Computing Techniques

B. Working

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	K. Ramani	N V Umamahesh	Part-time		Optimal Design of Water Distribution Networks for Intermittent Systems
2	K. Leela Krishna	N V Umamahesh	Part-time		Operation of Multi Purpose Multi Reservoir System
3	G. Rajamouli	N V Umamahesh	Part-time		Planning and Operation of an Irrigation System under deficit conditions
4	V Naveen Reddy Pothula	N V Umamahesh	Full Time	Institute	Impact of Climate Change on Water Resources of Pennar Basin
5	Jew Das	N V Umamahesh	Full time	Institute	Impact of Climate Change on Water Resources of Godavari Basin
6	Vinay A Rangari	N V Umamahesh & Ajey Kumar Patel	Full time	ITRA Project	Hydrologic Modelling of Urban Floods
7	V Agilan	N V Umamahesh	Full time	ITRA Project	Modelling Non-stationarity in urban area extreme rainfall characteristics
8	N. Ruben	E. Venkata Rathnam	Full Time	Institute	Hydraulic transients in pumping mains
9	L Narayan Reddy	K V Jayakumar	Part Time		Benchmarking and Performance Evaluation of Irrigation Projects
10	A Uday Kumar	K V Jayakumar	Full Time	Institute	Environment Flows
11	Dang Dong Nguyen	K V Jayakumar	Full Time	ICCR	Climate Change Studies with specific reference to Vietnam
12	V. Sai Kumar	P.Hari Prasad Reddy	Part-time	-	Evaluation and Control of Engineering Properties of Soils Interacted with Chemical Pollutants
13	Ch. Rama Vara Prasad	P. Hari Prasad Reddy	Full time	DST	Acid Induced Heave in Soils and Control Measures
14	P. Lakshmi Sruthi	P. Hari Prasad Reddy	Fulltime	Institute	Contaminant Transport through Fine Grained Soils
15	M J Sukhesh	P. Venkateswara Rao	Fulltime	DBT SRF	Anaerobic digestion of organic wastes
16	Harshal S Patil	Venu Vinod and Ajey Kumar Patel	Full time	BRNS, JRF	RPT experiments in surface aeration tanks
17	P. V. Koteswara Rao	P. Hari Krishna	Full time	MHRD	Soil Structure interaction analysis of pile supported building frame subjected to axial and lateral loading.
18	Y. Sudheer Kumar	P. Hari Krishna	Full time	MHRD	A study on Suitability of locally available geomaterials as a compacted clay liner.
19	Shirisha Pulukuri	K. Venkata Reddy Deva Pratap	Fulltime	DST-WTI project JRF	Real Time Flow Simulation of a watershed using geospatial methods and soft computing techniques.
20	N. Venkatesh	M. Heeralal Rakesh J. Pillai	Full time	MHRD	Effect of nonlinear behavior of granular materials on pavements
21	Yeshwanth	M Heeralal	Full time	MHRD	Durability studies on use of waste materials in rigid pavements
22	Bhavita Chowdary	Rakesh J. Pillai V Ramana Murty	Full time	MHRD	Study on stabilization techniques and durability issues on expansive soils
23	Md. Muzzafer Khan	G. Kalyan Kumar	Full time	MHRD	Seismic microzonation of Warangal city, Telangana India

24	Naga Sowjanya	K. Venkata Reddy M. Shashi	Full Time	MHRD	Climate change impacts on water resources of a river basin using the integrated frame work of Climate Change models with Hydrological models
25	Aneesha Satya	M. Shashi Deva Pratap	Full Time	MHRD	Taxation using Geospatial techniques for an urban city
26	M. Sudhakar	M Heeralal, G Kalyan Kumar	Full time	MHRD	Performance of mechanically stabilized gabion earth walls built with marginal soil, fly ash and recycled aggregates
27	D. Uday Chander	CSRK Prasad	Part-time		Integration of Master Transportation Systems in Urban Areas
28	P.Sarath Chandra	CSRK Prasad	Part-time		Optimal Modal Share for Public Transportation in Urban Areas
29	V MahalakshmiNaidu	CSRK Prasad	Part-time		Development of Trip Generation Models
30	M. Anil	CSRK Prasad	Full-time	Institute	Development of GIS based Urban Transportation System
31	MahaboobPeera	CSRK Prasad	Full-time	Institute	Traffic Accident Prediction Models for a city
32	Prashanth Shekar Lokku	CSRK Prasad	Full-time	Institute	Transit oriented development
33	Syed Mubashir Hussain	Venkaiah Chowdary	Full-time	Institute	Permanent deformation in asphalt mixtures
34	T Arjun Kumar	Venkaiah Chowdary	Full-time	Institute	Mechanical response characteristics of aged bituminous binders and mixtures blended additives
35	Utsav Vishal	Venkaiah Chowdary	Full-time	Institute	Moisture induced damage in asphalt mixtures
36	Adiya Kamineni	Venkaiah Chowdary	Full-time	Institute	Study of traffic noise in urban roads
37	D. Abhigna	KVR Ravi Shankar	Full-time	Institute	Capacity analysis in mixed traffic conditions
38	J Jaya Krishna	KVR Ravi Shankar	Full-time	Institute	Signal coordination planning using simulation tools
39	D. Harinder	S. Shankar	Full time	Institute	Use of geosynthetics in pavements construction
40	S. Eswar	KVR Ravi Shankar	Full-time	Institute	Pedestrian behavioral analysis in Terminals
41	S. Srikanth	Arpan Mehar	Full-time	Institute	Traffic flow behavior on multilane highways
42	Gulivindala Pallavi	Arpan Mehar	Full-time	Institute	Capacity analysis of multilane divided urban roads
43	Poojari Yugendar	KVR Ravi Shankar	Full-time	Institute	Crowd behaviour analysis
44	K. Sagar Mariya Raju	S. Shankar	Full-time	Institute	Inter locking concrete block pavements

ELECTRICAL ENGINEERING DEPARTMENT

A. Completed

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	Mr. K. Ravi Kumar (700708)	Prof. M. Sydulu	Part-Time	Part Time	PSO and Multi-agent based algorithms for optimal power flow studies with FACTS devices
2	Mr. Rakesh Chandra (701132)	Prof. M. Sydulu	Full time (submitted on 21.03.16)	Institute	Wind Integration studies in Power Systems: Forecasting Stability and load management issues.
3	P. Sharath Kumar	Dr. N. Vishwanathan Dr. B.K. Murthy	Full Time	Institute Fellowship	High Frequency Resonant Inverters for Multiple-Load Induction Cooking Application (Submitted)
4	P. Sharath Kumar	Dr. N. Vishwanathan Dr. B.K. Murthy	Full Time	Institute Fellowship	High Frequency Resonant Inverters for Multiple-Load Induction Cooking Application (Submitted)
5	T. Vinay Kumar	Dr. S. Srinivasa Rao	Full Time	MHRD	Reduction of Torque and Flux Ripple in Direct Torque Controlled Three Phase Induction Motor Drive
6	R S Dhekekar	N.V.Srikant	Full Time	No Sponsored	Reactive Power Control of transmission lines with harmonic minimization using novel controls and topologies of shunt FACTS devices.
7	D. Harikrishna	N.V.Srikant	Full Time	yes	Enhancement of dynamic and transient stability of power systems using Fuzzy and ANN controlled FACTS.

8	M. Ajay Kumar	N.V.Srikant	Full Time	yes	Intelligent controlled HVDC and MTDC transmission systems for offshore wind farm to the onshore AC grid integration.
9	B. Vijay Kumar	N.V.Srikant	Full Time	yes	Enhancement of power system stability with optimal locations and sizing of FACTS in AC-DC Systems.
10	D.Sudha Rani	N. Subramanyam, M.Sydulu	Full Time	Institute	"Multi- Objective Approaches for Optimal Distribution Network Reconfiguration , Capacitor and DG Placement"

B. Working

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	T. Praveen Kumar	Prof. M. Sydulu (Co-guide)	Part-Time	Institute	
2	B. Kiran babu	Prof. M. Sydulu	Full Time	Institute	
3	Srinivasa Ratnam	Prof. M. Sydulu (Co-guide)	Full Time	Institute	
4	T Praveen Kumar	N. Subrahmanyam	Part-time	None	Not submitted
5	K.Rama Krishna Reddy D. Mounika	Dr. N. Vishwanathan Dr. S.P. Selvi	Full Time	Institute Fellowship	Converter Topologies for LED Power Drivers Control Techniques for LED Power Drivers
6	K. Ramshaw	Sachin Jain, V.T. Somasekhar	Full Time	Institute Fellowship	Investigations on the Applicability of Open-end Winding Induction Motor Drives for solar pumping
7	Suresh Lakhimsetty	V.T. Somasekhar	Full Time	Institute Fellowship	Development of Improvised SVPWM strategies for a 4-level Open-end Winding Induction Motor Drive
8	M. Vishnu Prasad	Dr. S.Srinivasa Rao	Full time	MHRD	DTC/PTC of Induction motor drives
9	B. Anil Kumar	Dr. S.Srinivasa Rao	Full time	MHRD	PQ issues and Remedial measures in Grid Tied Solar Photo Voltaic Systems
10	V Venkataramana	Ch Venkaiah	Full Time	Institute Fellowship	Yet to Finalize
11	M Santhosh	Ch Venkaiah	Full Time	Institute Fellowship	Yet to Finalize
12	P. Srinivasan	N.V.Srikant, B.L. Narashimha Raju	Part time faculty of EED NITW	NO	Voltage source inverter topologies and controls for an open end winding induction motor
13	A.Anil Kumar	N.V.Srikant	fulltime	yes	Artificial Intelligent based frequency controls of power systems with DG penetrations
14	C Naveen Kumar	Ch Venkaiah	Full Time	Visveswaraya Fellowship	Yet to Finalize
15	Ch. Kasi Ramakrishna Reddy	1. Dr. S. Porpandiselvi 2. Dr. N. Vishwanathan	Full-time	Institute	Development of Converter configurations for LED lighting application
16	D. Mounika	1. Dr. N. Vishwanathan 2. Dr. S. Porpandiselvi	Full-time	Institute	Driver circuit development for LED lighting application
17	C. Srinivasa Rathnam	Dr. Chandrasekhar Yammani (Guide) Prof. M.Sydulu (co-guide)	Full time	Institute Fellowship	Optimal scheduling of micro sources for reliability enhancement in microgrids
18	N V Phanendrababu	Dr P Suresh Babu Prof. Siva Sarma	Full	Institute	
19	Saptarshi Roy	Dr P Suresh Babu	Full	Institute	
20	Jerry Joseph (715016)	Udaya Bhasker M	Full Time		Introduction of supercapacitors and digital control techniques for RES using bi-directional converters (tentatively).
21	Ramsha K.	Sachin Jain Prof. V.T.Somasekhar	Full Time	TA	PWM Techniques for OEWIM for three phase and five phase pump drive
22	Ch. Ramulu	Sachin Jain	Part Time	NA	PWM Techniques for OEWIM for three phase drive
23	S. Venu	Sachin Jain	Full Time	TA	Multi-level inverter grid tied PV systems

24	Vijay Babu K	Dr. Narasimharaju B L & Prof. D. M Vinod Kumar	Fulltime	MHRD	SRM based Distributed Generation (Tentative)
25	U. Ramanjeneya Reddy	Dr. Narasimharaju B L	Fulltime	MHRD	An Improved LED Drivers (Tentative)
26	*P Srinivasan	Dr. Narasimharaju B L & Dr. N V Srikanth	Part-time	----	Investigation of PWM Control Techniques on Multilevel Inverter Fed OEWIM Drive
27	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
28	Mr. Tirupathi Abhilash	Dr. A. Kirubakaran Dr. V.T.Somasekhar	Full Time	Institute	Investigation on Hybrid Multilevel Inverter Topologies
29	M. Hareesh	Dr. G Siva Kumar	Fulltime	MHRD	Power quality Enhancement by DSTATCOM
30	V. Hari Priya	D. Sreenivasa Rao, G. Siva Kumar	Fulltime	MHRD	Multi level inverter topologies
31	A. Pranay Kumar	G. Siva Kumar, D. Sreenivasa Rao	Fulltime	MHRD	Development of Control Strategies for Grid connected inverter
32	Mahanandeswara Goud	Dr. D Sreenivasa Rao	Fulltime	MHRD	Multilevel inverters
33	Hari Priya Vemuganti	Dr. D Sreenivasa Rao	Fulltime	MHRD	Power Quality
34	A Pranay Kumar	Dr. D Sreenivasa Rao	Fulltime	MHRD	Improved power Quality converters
35	Ratna Rahul Tupakula	Dr. P. Chandrasekhar	Full Time	MHRD	Intelligent control of Single Phase Grid Connected Inverters
36	G. Maha Nandeeswar Goud	Dr. P. Chandrasekhar and Dr. D. Sreenivasa Rao	Full Time	MHRD	Multi-Level Inverters for Solar PV Systems
37	Meka Kalyan Chakravarthi	Dr. A.V.Giridhar And prof. D.V.S.S. Siva Sarma	Full Time	MHRD	Condition monitoring of power transformers
38	T Praveen Kumar	NSubramanyam, M Sydulu	Part Time	NONE	Not submitted
39	Praveen Kumar	T Vinay Kumar	Full Time		DTC of induction motor drive

MECHANICAL ENGINEERING DEPARTMENT

A. Completed

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1.	Mr. Ashok Jaywantrao Keche	Dr. G. Amba Prasad Rao Dr.R.G. Rated(External)	Part time	No	Modeling and Experimental Studies on an improvised Down raft Biomass Gasifier with Different Biomass Fuels
2.	K. Kishore K umar	Dr.P .Bangaru Babu Dr.Y .K rishn-a D RDL	Part time	No	Damping studies on sandwich structures with viscoelastic layers
3.	Mr.A . Balaraju	Prof. R.V. Chalam	Full time	Institute	Analysis of automobile Suspension systems and development of optimal hydraulic controller f or enhancing comfort level
4.	NileshK ashinath Gaiarlawar	Dr.G.Amba Prasad Rao Dr. MathewAbraham	Part time	No	Studies on the reduction of particulate matter from modern automotive diesel engines
5.	A. Varun	Dr. N. Venkaiah Prof. B. Kotiveerachari	Full time	Institute	Single-Discharge analysis and multi Objective optimization on wire-edm Using grey relational analysis coupled With genetic and firefly algorithms
6.	Shah Abhijeet Prakash	Prof.C . GururajaR ao	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.	DesalegnW ogaso Wolla	Dr. MJ Davidson& Dr. Asit Kumar Kanra	Full time	ICCR	Experimental and FEM investigations on deformation behavior of aluminium- copper re forms during uniaxial upsetting.
8.	Mr. Mohammad Ahasan	Dr. M.J. Davidson	Full time	Institute	Deformation And Densification Behavior of Sintered A l-Tib2 Preforms During Upsetting

9.	T. SadasivaR ao	Prof. A. Venugopal	Part time	No	Machinability, modeling and Optimization in face milling of Inconel 718 with coated carbide inserts
10.	T. LokeswaRr ao	Dr. N. Selvaraj Dr. M.J. Davidson	Full time	Institute	Optimization of process parameters in wire EDM of SS316 SS321,SS17-4 PH and H 13 hard steels with brass and zinc coated brass wire electrode
11.	Mr. Gadakh Vijaya Shivaji	Dr. A. Kumar Dr.G .J.V ikhepatil (External)	Part time	No	Modeling and Validation of Different Tool Pin Profiles in FSW of Aluminium Alloy
12.	Mr. T. Karthikeya Sharma	Dr. G. Amba Prasad Rao Prof. K. Madhu Murthy	Full time	Institute	Parametric studies on performance and emission control strategies of a HCCI engine
13.	Syed Azam Pasha Quadri	Dr. P. Ravi Kumar Dr. Mohammad Masood	Part time	No	Combustion, Performance and Emmission analysis on a Dual Fuel VCR Diesel Fueled Engine Enriched with Hydrogen C, NG & HCNG
14.	Mr. 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
15.	S. Srinivas	Dr. C S P Rao Dr. N. Selvaraj	Part time	No	Digital PDS: A Case Study in Warangal District

B. Working

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1.	Gardas Ravindra Gopal	Dr. P. Bangarau Babu	Part Time	No	Studies on stability of rotors with internal and external damping
2.	Unnam Koteswara Rao	Dr. P. Bangarau Babu	Part Time	No	Smart structures
3.	A R Babu	Dr. G. Amba Prasada Rao	Part Time	No	Use of bio diesel in Engines
4.	Mandale Maruti Bhagwan	Dr. P. Bangarau Babu	Part Time	No	Statistical energy Analysis in Welded joints
5.	Bhanu Pavan Ravuri	Dr. A. Venugopal, Dr. R. Srikanth	Part Time	No	Metal cutting
6.	Manmadhachary Alamunoori	Dr. Y. Ravi Kumar Dr. L. Krishnanand	Full Time	Institute	Investigation and correction of errors at various stages of prosthesis developing for oral and maxillofacial surgery using RPT
7.	Kishore Kumar Katikani	Dr. A. Venugopal	Part Time	No	Metal cutting
8.	Rama Krishna Varanasi	Dr. P. Bangarau Babu	Part Time	No	Acoustic studies on marine propellers
9.	N. Bhanodaya Kiran Babu	Dr. A. Neelakanteswara Rao, Dr. M. J. Davidson	Full Time	Institute	Formability of sheet metal
10.	A.C. Uma Maheshwer Rao	Dr. K. V. Sai Srinath, Dr. V. Vasu	Full Time	Institute	SCC behavior of 7075 Al Alloys
11.	Sindhu Ravichettu	Dr. G. Amba Prasada Rao	Full Time	Institute	IC Engines
12.	Sudhakar Babu Srungarapati	Dr. Gururaja Rao	Full Time	Institute	Conjugate mixed convection with surface radio from a vertical channel with multiple asymmetrical mounted discrete heat sources
13.	Vishnumurthy Nallapati	Dr. C. S. P. Rao Dr. N. Selvaraj	Full Time	Institute	Friction and wear studies of Al nano MMCs
14.	N Ch Kaushik	Dr. R. N. Rao	Full Time	Institute	Wear behavior of advanced Al MMCs
15.	Kandi Kishore Kumar	Dr. C. S. P. Rao	Full Time	Institute	Fabrication and process optimization of SiO_2- Si_3N_4-BN ceramic composites for Radomes
16.	Mechiri Sandeepkumar Venugopal	Dr. V. Vasu Dr. A. Venugopal	Full Time	Institute	Nanofluids for machining
17.	Jagadisan Krishnamoorthy	Dr. P. Bangarau Babu	Part Time	No	Design of vibration control of electronic packages for aerospace applications
18.	Pillarisetty Anil Kumar	Dr. P. Bangarau Babu	Part Time	No	Vibration isolation in electronic packages

19.	Thallapalli Nagaveni	Dr. C. S. P. Rao	Full Time	QIP	Optimization of process parameters for Si3N4 Ceramics by gel casting
20.	Dagne Birhanu Mamo	Dr. L. Krishnanand Dr. A. Neelakanteswara Rao	Full Time	ICCR	Supply chain performance metrics: An Ethiopian Experians.
21.	Shivakumar N	Dr. V. Vasu Dr. N. Narasaiah	Full Time	Institute	ZA 27 Nano composits
22.	Parumandla Naresh	Dr. A. Kumar	Full Time	Institute	Preparation of Al Nano surface Composites
23.	Jaiteerth R Joshi	Dr. A. Kumar	Part Time	No	Mechanical properties of Dissimilar welds
24.	Prabhakara Rao Ganji	Dr. V. R. K. Raju Dr. S. S. Rao	Full Time	Institute	Combustion modeling of HCCI Engine
25.	Sangamesh Gondegaon	Dr. V. Hari Kumar	Full Time	Institute	Geometric modeling for isometric analysis
26.	Krishna Kishore Mugada	Dr. A. Kumar	Full Time	Institute	Friction stir welding
27.	Ramesh Babu Bejjam	Dr. K. Kiran Kumar	Full Time	Institute	Working on nano fluid based NCL
28.	Puneet Chandran	Dr. A. Venugopal Dr. Krishna(ARCI)	Part Time	No	Metal cutting
29.	Srinivasa Rohit.V	Dr. A. Venugopal Dr. L. Rama Krishna	Full Time	Institute	Metal cutting
30.	S. Mulhukumar	Dr. P. S. C. Bose	Part Time	No	Reliability of missiles
31.	Kiran Kumar Dama	Dr. Suresh babu Dr. R. N. Rao	Full Time	Institute	Sustainable design of an automotive seat with comfort and safety by down weighing: An integrated approach of an ergonomics and numerical methods.
32.	Arijit Paul	Dr. R. N. Rao Dr. N. Vijaya Bhaskar	Part Time	No	Analysis of Machined springs
33.	K. Viswanath Allamraju	Dr. K. Srikanth	Full Time	Institute	Analytical and operational studies of naval energy harvesting devices using PZT 5H patches
34.	J. Amala Ranga Babu	Dr. K Kiran Kumar Dr. S S Rao	Full Time	Institute	Working on solar thermal systems
35.	Venkateswarlu Velisala	Dr. G Naga Srinivasulu	Full Time	TEQIP COE	Fuel cells
36.	K. Ganesh Babu	Dr. A. Veeresh Babu	Full Time	TEQIP COE	Performance improvement of diesel engine using bio-fuels with EGR systems and additives
37.	Kareddula Vijaya Kumar	Dr. P Ravi Kumar	Full Time	Institute	Performance and emission control of IC engines with plastic oil and tyre oil blends
38.	Venkatesh. G	Dr. Y. Ravi Kumar	Full Time	Institute	Experimental investigation and simulation of conformal cooling channels on direct metal laser sintering
39.	Gopala Rao Thellaputla	Dr. P. S. C. Bose	Full Time	Institute	Broad area: Rotary milling
40.	M. Vijay Kumar	Dr. A. Veeresh Babu Dr. P Ravi Kumar	Full Time	Institute	Application of additives in bio diesel
41.	Kattamanchi Manoj	Dr. K. Srikanth Dr. Vijay Baskar	Part Time	No	Investigation of vibration energy generation technique for powering aerospace vehicle components
42.	D.Ravichandra	Dr. P Ravi Kumar Dr. V P Chandra Mohan	Full Time	Institute	Experimental analysis of effects of turbo charger on the performance and exhaust emission of 4 cylinder 4 stroke diesel engine fueled with diesel and bio- diesel
43.	Uma Maheswararao Gaddala	Dr. Jaya Krishna	Full Time	Institute	Heat line visualization in 2D complex geometries
44.	R Seetharam	Dr. Kanmani Subbu Dr. M J Davidson	Full Time	Institute	Formability studies on powder metallurgical components
45.	Z. Shanti Kiran	Dr V Suresh babu Dr. K V Sai Srinath	Full Time	Institute	Mechanical behavior of nano composites
46.	V Phanindra Bogu	Dr. Y Ravi Kumar Dr. Asit Kumar Khanra	Full Time	Institute	Design and fabrication of bio inspired bones scaffold structure using RPT
47.	Venkatakoteswararao K	Dr. G Naga Srinivasulu	Full Time	TEQIP COE	Hybrid vehicles
48.	A Prasad Reddy	Dr. P Vamsi Krishna Dr. R N Rao	Full Time	Institute	Nano MMCs
49.	S V B Vivekanand	Dr. V R K Raju	Full Time	Institute	Micro fluids
50.	Mulay Amrut Shrikant	Dr. Sathish Ben Dr. Syed Ismail	Full Time	Institute	Incremental forming

51.	Santosh Kumar Malyala	Dr. Y Ravi Kumar	Full Time	DST	Investigation of error identification and mitigation in bio RPT for oral and maxillofacial surgery
52.	Narasimha Suri Tinnaluri	Dr. Jaya Krishna	Full Time	Institute	Heat line visualization in 2D complex geometries
53.	Viswanadham.L	Dr. R N Rao Dr. Indra Mohan Chhaba	Part Time	No	Performance improvement of ring laser gyroscope using mechanical dither ring assembly
54.	Regalla Yogananda Reddy	Dr. K Madhu Murthy	Part Time	No	Broad area: actuator systems
55.	Srinu Gugulothu	Dr. P Vamsi Krishna	Full Time	Institute	Nano fluids in machining
56.	T Sarathchandra Babu D	Dr. Kanmani Subbu	Full Time	Institute	Additive manufacturing
57.	Punugupati Gurabvaiah	Dr. P S C Bose	Full Time	Institute	Laser assisted machining of ceramics
58.	Srinivasa Reddy Badduri	Dr. G Naga Srinivasulu Dr. S S Rao	Full Time	Institute	Thermal analysis of fuel cell
59.	P.Sunitha	Dr. K Madhu Murthy	Part Time	No	Solid propellants
60.	Ummidivarapu Vinay Kumar	Dr. V. Hari Kumar	Full Time	Institute	Shape optimization using iso-geometric analysis
61.	M Kameswara Reddy	Dr V Suresh babu Dr. K V Sai Srinath	Full Time	Institute	Mechanical behavior of composites
62.	P. Venkateswara Babu	Dr. Syed Ismail Dr. Sathish Ben	Full Time	Institute	Tribological behavior in metal forming process
63.	V Jeevan	Dr. C S P Rao Dr. Selvaraj	Full Time	Institute	Development, characterization and wear studies of Al 6082 and Al-12SI MMCs
64.	Praveen S Jambholkar	Dr. C S P Rao	Part Time	No	Design of predictor/estimator based controller for aerospace electromechanical actuators
65.	C Neelima Devi	Dr. Selvaraj	Part Time	No	Nano red mud synthesis and characterization
66.	Sudheer Kumar Mishra	Dr. C S P Rao Dr. D R Yadav	Part Time	No	Integrated inventing and scheduling system for missile manufacturing
67.	Jai Krishna Mishra	Dr. C S P Rao	Part Time	No	Composite materials
68.	Narendra Kumar Shrivastava	Dr. V. Suresh Babu	Part Time	No	Design
69.	P V G Brahmanandam	Dr. K Madhu Murthy	Part Time	No	Solid propulsion
70.	Suresh Gudipudi	Dr. Kanmani Subbu Dr. C S P Rao	Full Time	Institute	Metal matrix composite fabrication EDM study
71.	Gollapudi Arun Manohar	Dr. V. Vasu Dr. K. Srikanth	Full Time	Institute	Fault to learnt electro mechanical actuators
72.	Rangilal Bhukya	Dr. N. Selvaraj Dr. P S C Bose	Part Time	No	Machining of hard to cut materials using LASER assisted machining
73.	V V M J Satish Chembuly	Dr. V. Hari Kumar	Full Time	Institute	Inverse kinematics of redundant manipulators
74.	Vinod Babu M	Dr. K Madhu Murthy Dr. G. Amba Prasada Rao	Full Time	Institute	Alternate fuels
75.	Pagidi Madhukar	Dr. N. Selvaraj Dr. C S P Rao	Full Time	Institute	Fabrication of hybrid composites
76.	Lingayat Abhay Bhanudas	Dr. V. P. Chandra Mohan	Full Time	Institute	Solar drying
77.	Ranjith Kumar Valaparla	Dr. Karthik Bala Subramanian	Full Time	Institute	Thermal
78.	Muralikrishna Boni	Dr. S S Rao Dr. G. Nagasrinivasulu	Full Time	Institute	Fuel cells
79.	S Venkata Sai Sudheer	Dr. Kiran Kumar Dr. Karthik Bala Subramanian	Full Time	Institute	Two phase nanofluid based NCL
80.	Chakala Naresh	Dr. P S C Bose Dr. C S P Rao	Full Time	Institute	Machining of shape memory alloys
81.	K Jagan Mohan Reddy	Dr. A. Neelakanteswara Rao Dr. L. Krishnanand	Full Time	Institute	Supply chain management
82.	T Manoj Kumar Dundi	Dr. V R K Raju Dr. V. P. Chandramohan	Full Time	Institute	Micro fluidics
83.	Ganesh Segji Warkhade	Dr. A. Vec Babu	Full Time	QIP	Alternate fuels

84.	Padiri Murali	Dr. L. Krishnanand Dr. A. Neelakanteswara Rao	Full Time	Institute	Recycling supply chain engineering
85.	Ambadas	Dr.A.Kumar	Part Time	No	Composite Materials
86.	Pudari Rakesh	Dr. Jayakrishna	Full Time	Institute	Heat Transfer
87.	Nagendra Babu Samineni	Dr. G. Amba Prasad	Part Time	No	Thermal
88.	Surendra Mohan Shrivastava	Dr. N. Selvaraj	Part Time	No	Manufacturing
89.	Lokesh Srivastava	Dr. L. Krishnanand	Part Time	No	Supply chain management
90.	Y Siva Kumar Reddy	Dr. Karthik B Dr. V. P. Chandra Mohan	Full Time	Institute	R & AC
91.	Venkataramana Allgobelli	Dr. M. J. Davidson	Part Time	No	Metal forming
92.	Syamkumar Chokka	Dr. B. sathishben Dr. K. V. sai Srinath	Full Time	Institute	Composite materials
93.	P Pratap Naidu	Dr. G. Raghavendra	Full Time	Institute	Design
94.	Goka Madhavlu	Dr. C S P Rao	Part Time	No	Composites
95.	Thota Markandeyulu	Dr. D. Jaya Krishna Dr. K. Kiran Kumar	Full Time	Institute	Heat transfer
96.	Surjeet Kumar Sinha	Dr. P S C Bose	Part Time	No	
97.	Dilikeswar Das	Dr. N. Selvaraj	Part Time	No	Modeling and simulation
98.	Gawale Ganesh	Dr. G. Nagasrinivasulu	Full Time	Institute	I C Engines (HCCI Engine)
99.	Manoj Panchal	Dr. G. Raghavendra	Full Time	Institute	Composits
100.	Ankathi Raju	Dr. A. Veeresh Babu	Part Time	No	Alternate fuels
101.	M Ashok Kumar	Dr. Hari Kumar	Part Time	No	Design
102.	B.Venkatesh	Dr. SadasivaRao	Full Time	Institute	Metal cutting
103.	Abeyram M Nithin	Dr. C S P Rao Dr. M J Davidson	Full Time	Institute	Metal Forming
104.	Brundaban Patro	Dr. K. Kiran Kumar	Full Time	Institute	Heat trnsfer
105.	Kotikala Rajasekhar	Dr. V. Suresh Babu	Full Time	Institute	Design
106.	Sarita Prasad	Dr. A. Neelakanteswara Rao Dr. L. Krishnanand	Full Time	Institute	Lean supply chain management
107.	Kethavath Kranthi Kumar	Dr. A. Kumar	Full Time	Institute	F S Welding
108.	Venkata Siva Reddy D	Dr. A. Venugopal	Full Time	Institute	Metal cutting
109.	Balijepalli Rama Krishna	Dr. V P Chandra Mohan	Full Time	Institute	Thermal
110.	Borgaonkar Avinash Vitthal	Dr. Ismail	Full Time	Institute	Tribology
111.	Sujoy Kumar Dolui	Dr. A. Veeresh Babu	Part Time	No	I C Engines
112.	Sankepally Chandrasekhar	Dr. V R K Raju	Full Time	Institute	I C Engines
113.	Kattela Siva Prasad	Dr S S Rao Dr. V R K Raju	Full Time	Institute	I C Engines

ELECTRONICS AND COMMUNIOCATION ENGINEERING DEPARTMENT

A. Completed

S. No.	Scholars	Guide(s)	Fulltime / Parttime	Fellowship	Thesis Title
1	Keerti Kumar	Dr.BheemaRao	Fulltime	Institute	Investigations on subthreshold leakage current reduction in CMOS circuits
2	Ch. Sulakshana	Dr. L. Anjaneyulu	Fulltime	Institute	Design & performance evaluation of compact and broad band CPU fed reconfigurable microstrip antennas
3	Venkat Reddy	Prof. N.V.S.N Sarma	Fulltime	Institute	Studies on fractal boundary microstrip antennas for circular polarization
4	VenuMadhav	Prof. N.V.S.N Sarma	Fulltime	Institute	Energy efficient routing issues in homogeneous and heterogeneous wireless sensor networks
5	Siva Kumar	Dr. B. Lakshmi	Fulltime	Institute	Performance improvement techniques of WiMAX using software defined radio
6	Rama Sanjeeva Reddy	Dr. D Vakula	Fulltime	Institute	Some investigations on multifunction antenna arrays

B. Working

S. No.	Scholars	Guide(s)	Fulltime / Parttime	Fellowship	Thesis Title
1.	Hathiram Nenavath	Dr. Ravi Kumar Jatoth	Fulltime	Institute	
2.	RoshanBodile	Dr. T.V.K. Hanumantha Rao	Fulltime	Institute	
3.	Shiva Prasad	Dr. C.B. Rama Rao	Fulltime	Institute	
4.	K SriramTeja	Dr. S. Anuradha	Fulltime	Institute	
5.	M A MushahhidMajeed	Dr.SreehariRao	Fulltime	Visvesvaraya Scheme	
6.	B Surekha Reddy	Dr. T. Kishore Kumar	Full-time	Visvesvaraya Scheme	
7.	SSSBS SubbaRao	Dr. Ravi Kumar Jatoth	Part-time	Institute	
8.	Pawar Atul Govindrao		Part-time	No Fellowship	
9.	Hara Prasad RV		Part-time		
10.	V.Santosh Kumar	Dr. T.V.K. Hanumantha Rao	Fulltime	Institute	
11.	K.Sai Krishna		Fulltime	Institute	
12.	Ashok Agarwal	Dr. B Lakshmi	Fulltime	Institute	
13.	Suresh Alapati	Dr. P Sri Hari Rao	Fulltime	Institute	
14	D.Pavan Kumar	Dr. P Sri Hari Rao	Fulltime	Institute	
15	V.Sunny Dayal	Dr. T Kishore Kumar	Fulltime	Institute	
16	P. Rakesh	Dr. T Kishore Kumar	Fulltime	Institute	
17	Rahul Singha	Dr. D Vakula	Fulltime	Institute	
18	Nagesh Deevi	Dr. N Bheema Rao	Fulltime	Institute	
19	S.Ellison Mathe	Dr. B Lakshmi	Fulltime	Institute	
20	Sandeep Kumar V	Dr. S Anuradha	Fulltime	Institute	
21	Suman N	Prof NVSN Sarma	Fulltime	Institute	
22	Sravan Kumar	Dr. VV Mani	Fulltime	Institute	
23	Lakka Raju		Fulltime	Institute	
24	M. Ramjith	Dr. S Anuradha	Fulltime	Institute	
25	D.Kiran	Dr. L Anjaneyulu	Fulltime	Institute	
26	P. Akhendra	Dr. N Bheema Rao	Fulltime	Institute	
27	Sudeep Surendra	Dr. T. Kishore Kumar	Fulltime	Institute	
28	Mudsir Bashir	Dr.P Sreehari Rao	Fulltime	Institute	
29	N. Prasad	Dr. T. Kishore Kumar	Fulltime	Institute	
30	R Sahu	Dr. D Vakula	Fulltime	Institute	
31	R Sashank	Dr. N Bheema Rao	Fulltime	Institute	
32	B Pranitha	Dr. L Anjaneyulu	Fulltime	Institute	
33	Ravi B	Dr. T. Kishore Kumar	Fulltime	Institute	
34	Roshan Mukund Rao	Dr. T.V.K. Hanumantha Rao	Fulltime	Institute	

DEPARTMENT OF METALLURGICAL AND MATERIALS ENGINEERING

A. Completed

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	Influence of chemical composition and heat treatment on microstructure, tensile and wear behaviour of metastable beta titanium alloys
2	Mr. G. Sai Kuma (Roll No. 701146)	Dr. Asit Kumar Khanra	Full-time	Previously DRDO,CSIR projects and institute fellowship from march, 2014 onwards	Synthesis and sintering of ZrB_2 based composites

B. Working

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	Mr. R. Govinda Rao (Roll No. 701147)	Dr.N.Narasaiah	Part-time	-	Development and characterization of Aluminium based Metal Matrix Composites

2	Mr. P. Rambabu (Roll No. 701148)	Dr. M. K. Mohan	Part-time	-	Forging Technologies for fabrication of Aluminium Alloy AA2014 Airframe section
3	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.
4	Mr.V.Rangadhara Chary (Roll No. 701250)	Dr. T. Srinivasa Rao & Dr. B.S. Murty	Part-time	-	Synthesis and characterization of Aluminium based nanocomposites
5	Mr. K.N.B. Kuar (Roll No. 701215)	Dr. C. Vanitha	Full-time	Institute	Development of Texture and Micro-structure during the deformation and welding of Magnesium based alloys
6	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
7	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
8	Mr. Hanuma Reddy Tiyyagura (Roll No. 701360)	Prof. M. K. Mohan	Full-time	Institute	Corrosion Fatigue and Cracking Behaviour of modified 9Cr-1Mo steel
9	Ms. Suman Kumari (Roll No. 701361)	Prof. M. K. Mohan	Full-time	Institute	Surface modification of titanium and titanium alloys for biomedical applications
10	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
11	Mr. Menuga Ananda Rao (Roll No. 701364)	Dr. N. Narasaiah	Part-time	-	Failure analysis of power plant components
12	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.
13	Mr. Bheekiya Naik (Roll.No.714028)	Dr. R. Arockia Kumar	Full time	Institute	Development of Cu based SMA
14	Mr. Sai Mahesh (Roll.No.714030)	Dr. Asit Kumar Khanra	Full time	Institute	Deformation behavior of powder metallurgy components
15	Mr.K.Venkateswara Reddy (Roll. No. 714140)	Dr. R. Arockia Kumar	Fulltime	Institute	Development of Cu-Sn SMAs
16	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
17	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
18	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
19	Prakash (Roll. No. 715053)	Dr. G. V. S. Nageswara Rao	Full-time	Institute	Creep studies on Thermomechanical processed RAFM steel
20	Mr. Shaik Mahammad Ali (Roll. No. 715054)	Dr. G. Brahma Raju	Full time	Institute	Polymer based composites for bio-applications
21	Mr. C. Ravikanth Reddy (Roll. No. 715055)	Dr. B. Srinivasa Rao	Full time	Institute	Development of Mg-alloys
22	Mr. A. Sambasiva Rao (Roll.No.716033)	Dr. M.K. Mohan and Dr.A.K.Singh, DMRL	Part-time	-	Characterization of W-heavy Alloys
23	Mr. Venkat (Roll. No. 716034)	Dr. Ajoy Kumar Pandey Dr. Sarabjit Singh,DMRL	Part-time	-	Slip casting of ceramics
24	Mr. Bejugama Shiva (Roll. No. 716035)	Dr. Ajoy Kumar Pandey	Full time	Institute	Bioceramics
25	Mr. Vemoori Raju (Roll. No. 716036)	Dr. Asit Kumar Khanra Dr. Roy Johnson, ARCI	Full time	Institute	Powder Metallurgy
26	Mr. Katti Bharath (Roll. No. 716037)	Dr. Asit Kumar Khanra Dr. M. J. Davisdson, ME	Full time	Institute	Macro fabrication

CHEMICAL ENGINEERING DEPARTMENT

A. Completed

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	G. Srinivas	Prof. Y.PydiSetty	Full Time	Institute	Drying of Particulate solids in Batch and continuous Fluidized Beds
2	P B N Lakshmi Devi	Prof. Y.PydiSetty	Full Time	Institute	Studies on biological nitrification of ammoniacal wastewater
3	Mrs. K. Srivani	Prof. Y.PydiSetty	PartTime	----	Nutritional and environmental parameter studies on the production of xylitol from D-xylose bt*CandidaParapsilosis* NCIM-3323
4	T. Srinivas	Dr. A. VenuVinod	Full time	Institute	Heat Transfer Enhancement in a Shell and Helical Coil Heat Exchanger using Nanofluids
5	B. Sujan Kumar	Dr. A. Venu Vinod	Full time	Institute	

B. Working

S. No.	Scholars	Guide(s)	Fulltime / Part time	Fellowship	Thesis Title
1	Tejasvi K	Prof. Y.PydiSetty	Part-Time	--	Agglomerates for Propellants
2	Yogendra sasidhar	Prof. Y.PydiSetty	Full Time	Institute	Drying of solids in a fluidized bed
3	DivyaPriya	Prof. Y.PydiSetty	Full Time	Institute	Microbial Fuel Cell
4	B. Anil Kumar Naik	Dr. A. Venu Vinod	Full time	Institute	Heat Transfer enhancement studies using non-Newtonian nanofluids
5	Patil Harshal Somnath	Dr. A. Venu Vinod	Full time	Institute	Investigation of hydrodynamics of surface aeration tanks and validation of CFD models using radioactive particle tracking (RPT) technique
6	M. Suresh Kumar	Dr. Shirish H. Sonawane	Full time	MHRD	Process intensification of
7	Shabana Sheik	Dr. Shirish H. Sonawane	Full time	ISRO-JRF	
8	BhaskarBethi	Dr. Shirish H. Sonawane	Full time	MoEF-JRF	Development of hybrid system for wastewater treatment based on hydrodynamic cavitation
9	Prashant L. Suryawanshi	Dr. Shirish H. Sonawane	Full time	DIT-JRF	
10	UdayBagale	Dr. Shirish H. Sonawane	Full time	DRDO-JRF	
11	P. Rajesh Kumar	Dr. Shirish H. Sonawane	Full time	DIT-JRF	
12	M. Yadagiri	Dr. Shirish H. Sonawane	Full time	MHRD	
13	Divi. Srinivas	Dr. Shirish H. Sonawane	Full time	MHRD	
14	D. Nareshyadav	Dr. K. Anand Kishore	Full time		Working on Waste water treatment
15	D. Kishore	Dr. K. Anand Kishore	Full time		Process Controls
16	S. Chandra Shekhar	Dr. K. Anand Kishore	Full time		Fluidized bed membrane reformer for Hydrogen Production
17	Sarath Kumar Meka	Dr. K. Anand Kishore	Full time		Waste water treatment
18	P. D. Chandra Sai	Dr. K. Anand Kishore	Full time		Membrane separations
19	P.Thirumalbai		Full time	Institute	ODH of ethane to ethylene
20	D.Sushmitha		Full time	Institute	Fractionation of lignocellulosic biomass for production of biofuels
21	G. Maruthi Prasad	A Seshagiri Rao	Full time		Multimodel controller design
22	Purushottama Rao Dasari	A Seshagiri Rao	Full time		Development of multi model based control schemes for nonlinear time delay systems
23	DorcaPolamuri	T Sunil Kumar	Full time	Institute	Heat transfer in granular media
24	Liyakhath Ahmed Shaik	T Sunil Kumar	Full time	NRB Project	Simulation of corrosion
25	Ameer Khan Patan	T Sunil Kumar	Full time	Institute	Reactive distillation for biodiesel production
26	Abdulla Sheikh	Dr. P.V. Suresh	Full time	Institute	Studies on PEM Fuel Cells
27	Surywanshi Gajanan Daltarao	Dr. P.V. Suresh	Full time	SERB Project	Theoretical and Experimental Studies on Chemical Looping Combustion of Indian Coal
28	RayallaRanganayakulu	Dr.G.Uday Bhaskar Babu	Full time	Institute	Design and Analysis of fractional order controllers for integer and fractional order time delay systems

29	P. Aruna	Dr.S.Muralimohan	Full Time	Institute	Development of MEA for Direct Methanol Fuel Cell
30	SeemalShekar M	Dr. V Ramsagar	Full Time	Institute	Unit-Specific Event-Based Models for Process Scheduling
31	Ritesh Ramesh Palkar	Dr. Vidyasagar Shilapuram Dr. P. V. Suresh	Full time	Institute	Modelling and simulation of hydrodynamics of liquid solid circulating fluidized bed

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

A. Completed

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	Somaraju Suvvuri	R B V Subramanyam	Full Time	Institute	Data Mining Algorithms for certain In-Depth Analysis on in Large Databases.
2	S Ravichandra	D.V.L.N. Somayajulu	Full Time	Internal Faculty	Study in Schema Evaluation Technologies in Relational Databases.
3	V Sree Kumar	D.V.L.N. Somayajulu & B.M.Subraya	Part-Time		Study and Modeling of design patterns for software systems performance improvement.

B. Working

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	Ramesh karnati	Dr.RBV Subramanyam	Full time	TCS	Some studies on incremental mining of Sequential Pattern
2	Phani Bhushan	Prof.DVLN Somayajulu	Part-time	Part Time	Indexing issues in Big Data
3	Fatimabi Shaik	Dr.RBV Subramanyam	Full time	Inst	Graph mining using Big Data Techniques
4	Anil P	Dr.R Padmavathy	Full time	Fulltime	Improving efficiency of ECC
5	Lalitha Kumari	Prof.SG Sanjeevi	Full time	Fulltime	High utility itemset mining in Transactional Data Base data Mining.
6	Sandipan Maiti	Dr.RBV Subramanyam	Full time	Fulltime	Spatial data using Big data techniques
7	RN Yadwad	Dr.RBV Subramanyam	Part-time		
8	B.Lavanya Madhuri	Dr.KV Kadambari	Full time	Fulltime	Automatic models for identifications parking sons of disese in which early stability
9	Sai Krishna M	Dr.RR Rout	Full time	Fulltime	Analysis of energy efficiency in wireless sensor and actor networks
10	Sudarshan Chakravarthy	Dr.Ch Sudhakar Prof.T.Ramesh	Full time	Full time	Energy efficiency of resource allocation in cloud computing.
11	G Spoorthy	Prof.SG Sanjeevi	Full time	Full time	Big data clustering
12	T.Preethi	Prof.BB Amberker	Full time	Full time	Lattice-based group signature schemes
13	Abhilash MH	Prof.BB Amberker	Full time	Full time	Social network analysis
14	K.Suresh Kumar	Dr.USN Raju	Full time	Rajeev Gandhi	Content Based Image Retrieval
15	S.Satyanarayanan	Dr.K.Ramesh	Full time	Fulltime	Model driven engineering & distributed systems
16	Chaitanya K	Prof.DVLN Somayajulu	Part-time	Parttime	Infosys trade limited, Hyderabad. P. Radhakrishna, Social Media Analytics
17	S Sumalatha	Dr.RBV Subramanyam	Full time	Full time	Frecount pattern mining in Big Data
18	Vandanababu Talakayala	Dr.B Raju	Full time	Full time	Final Tandem repeats in DNA sequences using MapReduce
19	K Govinda Rao	Dr.RR Rout	Full time	Full time	Internet of Things
20	J Pavan Kumar	Dr.PV Subba Reddy	Full time	Full time	Study of variants of Severe Domination in Graphs
21	Somesula Manoj Kumar	Dr.Rashmi Ranjan Rout, Prof DVLN Somayajulu	Full time	Full time	Network Traffic Modeling in Big Data
22	Dorsala Mallikarjun Reddy	Dr.Ch.Sudhakar Dr.N Raghu Kishore	IDRBT	IDRBT	
23	Hem Kumar D	Dr.Ravichandra Sadam Prof DVLN Somayajulu	Full time	Vishveshariah Ph.D Fellowships	Privacy preserving in Data Publishing.
24	N.Satya Krishna	Prof DVLN Somayajulu Dr.S Nagesh Bhattu	IDRBT	IDRBT	

BIOTECHNOLOGY

A. Completed

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
NIL					

B. Working

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1.	Ms.P. Manasa	Dr. K. Narasimhulu	Full time	Institute fellowship	Bioethanol Production from Cellulosic Biomass using Immobilized Yeast Cells
2.	Mr.Paramjeet Saroj	Dr. K. Narasimhulu	Full time	Institute fellowship	Production of Beta-Glucosidase by thermophilic fungus and its application in bioethanol production
3.	Mr. B.Bhaskar	Dr. P.Sreenivasa Rao	Full time	Institute fellowship	Designing And Assessment Of A Dynamic Perfusion Bioreactor For Polymer Guided Bone Regeneration By Using Mesenchymal Stem Cells
4.	Mr. K.Santosh	Dr. P.Sreenivasa Rao	Full time	Institute fellowship	Umbilical cord blood Mesenchymal stem cells as a novel cell source for the treatment of Limbal stem cell deficiency (LSCD)
5.	Ms.Mayuri Bhatia	Dr. R. Satish Babu	Full time	Institute fellowship	Heavy metal removal from water using nanoparticle embeded in biosorbents
6.	Mr.E.Rajeswara Reddy	Dr. R. Satish Babu	Full time	Institute fellowship	Production, Purification and Characterization of L-Asparaginase from Enterobacter aerogenes KCTC 2190
7.	Ms. Madhuri	Dr. R. Satish Babu	Full time	Institute fellowship	Isolation,production and purification of L-Asparaginase from Endophytic Microorganisms
8.	Mr. Aditya Velidandi	Dr. Rama Raju.B	Full time	Institute fellowship	Development and Optimization of pretreatment technologies for reducing sugars production form biomass for biofuel applications
9.	Mr. R. Kowshik	Dr. V. Kohila	Full time	Institute fellowship	inflammatory & cytotoxic effects of a novel fusion suicidegene bCDS126R- hGST on rheumatoid arthritis
10.	Ms. Sumithra. B	Dr. Asim Bikas Das	Full time	Institute fellowship	Role of Splicing factors in cancer (Tentative)
11.	VSPK Sankara Aditya	Urmila Saxena	Full time	Institute Fellowship	Study on cancer biomarkers to design biosensor
12.	Ms. M. Nirupama	Dr. Amitava Bandhu	Full time	UGC	Studies on structure – function relationship of RamB and PrpR of *M. tuberculosis*
13.	Ninian prem Prashanth	Dr. Rama Raju.B	Full time	Institute Fellowship	Metagenome derived cellulases for bioethanol production from biomass
14.	Nisha Guar	Dr. K. Narasimhulu	Full time	Institute fellowship	Tentative title: Isolation, characterization and optimization of of lignase production
15.	Swetha Raj	Dr. Prakash Saudagar			studies on Leishmania MAPK
16.	P.ChandraSai	Dr.R.Satish Babu	Full Time	CSIR	Process development for cellulose acetate based nanoporous membranes for arsenic andfluoride removal

DEPARTMENT OF MATHEMATICS:

A. Completed

S. No.	Scholars	Guide(s)	Fulltime/ Part-time	Fellowship	Thesis Title
1	G. Ravikiran	G. Radhakrishnama-charya	Full time	Institute	Effect of peristalsis on Dispersion in Non-Newtonion Fluid flows with wall properties
2	N. Santhosh	G. Radhakrishnama-charya	Full time	Institute	Two layer Model for non Newtonian fluid flows through narrow tubes
3	P. Padmaja	YNReddy	Part Time	----	I&BV Methods for SPTPBVP's
4	L. Sheerisha	YNReddy	Full Time	QIP	Numerical Analysis of SPDDE's
5	S.Mallishwar Reddy	Prof. K.N.S.Kasi Viswanadham	Full Time	Institute	Numerical solution of higher order boundary value problems by Petrov-Galerkin method with different orders of B-splines
6	P. Vijay Kumar	D.Srinivasa charya	Full time	Institute	Convection along inclined wavy surface in nanofluid saturated porous medium

B. Working

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Area of Research
1	S.V.Kiranmayi Ch.	Prof. K.N.S.Kasi Viswanadham	Full Time	Institute	Numerical solution of Differential Equations by Finite Element Method with B-splines
2	T.Govinda Rao	J. V. Ramana Murthy	Part time		
3	G Nithish Kumar	Prof. D.Dutta	FT	Institute	Solid TP problems
4	K. Hima Bindu	D. Srinivasa charya	Full time	Institute	Entropy analysis in convective heat and mass transfer
5	G. Madhava Rao	D. Srinivasa charya	QIP		Flow in a bifurcated stenosed artery
6	Md.Shafeurrahaman	D. Srinivasa charya	QIP		Hall and ionslip effects on the flows in nanofluids
7	P. Jagadeeshwar	D. Srinivasa charya	Full time	Institute	Convection over exponentially stretching sheet
8	I. Srinath	D. Srinivasa charya	Full time	Institute	Convective heat and mass transfer
9	Mr. M. Varun Kumar	Dr. P. Muthu	Full Time	Institute	Fluid flow in non-uniform tubes
10	Mrs. Pujitha Vanacharla	Dr. P. Muthu	Full Time	Institute	Mathematical Models in biomechanics
11	G Venkata Suman	Dr J Pranitha	Full Time	DST Inspire	Convective Heat and Mass Transfer in porous media saturated with Power Law Fluid
12	V. Narayana	Dr. Hari Ponnamma Rani	QIP	QIP	Turbulence analysis in Square Cavity
13	NV Koteswara Rao	Dr A Benerji Babu	Full Time	Gate	
14	Mr. J. Sarath Kumar Reddy	D. Bhargavi	Fulltime	GATE	Fluid flow and Heat Transfer in Channels partially filled with Porous Medium
15	Mr. K. Appi Reddy	Dr. T. Kurmayya	Full Time	GATE	Splittings of Matrices and nonnegative generalized inverses
16	T. Pradeepa	Dr.Ch. RamReddy	Full Time	Institute Fellowship (GATE)	Convective transport in fluid flow problems
17	Ch. Venkata Rao	Dr.Ch. RamReddy	Full Time	Institute Fellowship (GATE)	Numerical/analytical solutions of some problems on convection in fluid flows
18	Padigepati Naveen	Dr.Ch. RamReddy	Full Time	Under CSIR Project	Numerical treatment of convective transport in non-Newtonian fluids

DEPARTMENT OF PHYSICS

A. Completed

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	Dr. N. Rajeswar Rao	Prof. S.V.S. Ramana Reddy, and Dr. T. V. Appa Rao	Full Time	NIT-W	Spectroscopic and Thermal studies on Gamma- and Electron beam irradiated biopolymers

B. Working

S. No.	Scholars	Guide(s)	Fulltime / Parttime	Fellowship	Thesis Title
1	V. Himamaheswara Rao	Dr. P. Syam Prasad	Full Time	NITW Fellowship	Bio-glasses
2	P. V. N. Kishore	Prof. Sai Sankar	Full Time	NITW Fellowship	Fiber sensors
3	S. Raj Kumar	Dr. P. Abdul Azeem	Full Time	DST	Synthesis and characterization of borosilicate glasses and their ceramics for medical applications
4	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
5	C. Hari Krishna	Dr. Sourabh Roy	Full time	NITW Fellowship	Analysis of Twisted fiber
6	Mohan Babu	Dr. P. Syam Prasad	Full time	NITW Fellowship	Bio-Glasses
7	K. Venkat Reddy	Prof. K. Srimannarayana & Dr. T. Venkatappa Rao	Full time	--	High-temperature measurement using FBG sensors
8	T. Ramesh	Prof. Dr. L. Ramgopal Reddy	Part-time	ARCI-JRF (Chennai)	Super-Capacitors

9	P. M.Pratheeksha	Dr. D. Paul Joseph	Part-time	ARCI-JRF (Hyderabad) (under Nano-Mission Project)	'Li' ion Batteries
10	G. Laxminarayana	Prof.M.Sai Shankar	Part-time	RCI, Hyderabad	
11	M. Gopala Krishna Murthy	Dr. D. Dinakar	Part-time	RCI, Hyderabad	
12	G. Mahender Kumar	Prof. M. Sai Shankar	Part-time	RCI, Hyderabad	
13	N. Shara Sowmya	Dr. K. Venugopal Reddy	Part-time	DMRL, Hyderabad	Magnetic Materials
14	D. Gnaneswar	Dr. K. Thangaraju	Full time	SERB-YSS Project	OLED's
15	Rama Rajan	Dr. K. Thangaraju	Full time	NIT-W Fellowship	Materials Science
16	Lal Singh	Dr. Kusum Kumari	Full time	NIT-W Fellowship	Organic Photovoltaics
17	K. Uma Devi	Dr. V. Jayalakshmi	Part-time	DMRL,Hyderabad	Magnetic Materials
18	A. Kishore Kumar	Prof. R. L. N. Sai Prasad	Part-time	BHEL, Pune	Digital Holography
19	A. Sravanthi	Prof. R. L. N. Sai Prasad	Full time	NIT-W Fellowship	Structural Health Monitoring
20	T. Susneha	Prof. S.V.S. Ramana Reddy Dr.T.VenkatappaRao	Full time	NIT-W Fellowship	Bio-degradable polymer
21	Ashish Kumar	Dr.T.Venkatappa Rao	Fulltime	BRNS Funded Peoject	Bio-degradable polymer
22	M. Shiva Prasad	Dr. B. Sobha	Part-time	ARCI-JRF (Hyderabad)	Solar Thermal
23	L. Umachandi	Dr. Sourabh Roy	Part-time	ELICO,Hyderabad	
24	M. Nagaraju	Prof. L. R. G. Reddy & Dr. Kusum Kumari	Full time	NIT-W Fellowship	Super-capacitors
25	P. Srinath	Dr. K. Venugopal Reddy	Full time	NIT-W Fellowship	

DEPARTMENT OF CHEMISTRY

A. Completed

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	Mr. T. Ramesh	Dr. P. Nageswara Rao	Full time	Institute Scholar	Development and Validation of Analytical and Bioanalytical Methods for Selected Drugs by HPLC and LC-MS
2	Mr. Ravi Babu Velpula	Dr. B. Rajitha (Emeritus)	Full time	UGC-JRF	Synthesis of Nitrogen, Oxygen and Sulphur incorporated Heterocycles and their Biological activities
3	Narasimha Reddy Miryala	Prof. B.V. Appa Rao	Full time	Institute Scholar	Corrosion Protection of Copper by Self-Assembled Films of Azoles with Long Chain Hydrocarbons
4	K. Koteshwara Reddy	Dr. K.V. Gobi	Full time	Institute Scholar	Development of Electrochemical sensors for Biomarkers using Molecular Recognition Elements and Nanocomposite Electrodes
5	Ms. Rajini A	Dr. Venkatathri Narayanan	Full time	Institute Scholar	Development of novel metal containing Aminophosphates for catalytic and biological applications
6	Mr. Bade Thirupaiah	Prof. V. Rajeswar Rao	Full time	Institute Scholar	Bromo Dehydroacetic acid as a building block for various heterocyclic compounds
7	Mr. Surendar. T	Dr. Vishnu Shankar	Full time	DST Project/ Institute Scholar	Synthesis and characterization of highly efficient nanostructured materials for photocatalytic applications under sunlight irradiation
8	Ms. Gali Rajitha	Dr. B. Rajitha	Full time	Institute Scholar	Studies on Synthesis and Biological Evaluation of Novel Nitrogen and Sulphur Heterocycles
9	Mr. Sreenu Pavurala	Prof. V. Rajeswar Rao	Full time	CSIR-JRF Project	Synthesis and Biological Activity of New Sulphur Heterocyclic Compounds Derived from Coumarins
10	Mr. Raj Kumar Ramagiri	Prof. V. Rajeswar Rao	Full time	UGC-JRF	Multi component synthesis of new nitrogen sulfur heterocyclic compounds and studies on their biological activity

B. Working:

S. No.	Scholars	Guide (s)	Fulltime / Part-time	Fellowship	Thesis Title
1.	Vimal Kumar K	Prof. B.V. Appa Rao	Full time	Institue	Chemically modified biopolymers as corrosion
2.	E. Harimohan	Prof. B.V. Appa Rao& Tata N Rao	Part time	ARIC Fellowship	Lithiumion batteries inhibitories
3.	V.V.N. Phani Kumar	Prof. B.V. Appa Rao & Dr. Prakash. ARCI, Chennai	Part time	ARIC Fellowship	Lithiumion batteries anodes and binders
4	G. Srinivasa Rao	Prof. A. Ramachandraiah	Full-time	Institute	Spectral, Electrochemical, Single Crystal XRD and Molecular Modeling Studies of Azomethine and Dihydro- azomethine Compounds of Supramolecular Significance (Thesis Submitted in March, 2016. Degree Awarded in May, 2016)
5	M. Satyanarayana	Dr. K. V. Gobi	Full time	Institute	Development of carbon nanotube based hybrid nanocomposites as sensing platform for electrochemical detection of pharmaceutical drugs of intensive care monitoring (Thesis Submitted in June 2016)
6	Ashutosh Kumar Yadav	Prof. A. Ramachandraiah	Full time	Institute	Spectral, Electrochemical and Molecular Modelling Investigation of Biphenyl Bridged Azomethine Derivative and Its Metal Complexes
7	N. Manjula	Prof. A. Rama chandraiah & R. BalajiARCI, Chennai	Part time	ARCI	Hydrogen gas generation by PEM-based Aqueous Methanol Electrolysis
8	B. Divya	Prof. A. Ramachandraiah& Dr. Sarada, ARCI, Hyderabad	Part time	ARCI	Materials for Fuel Cells
9	Ajmeera Ramesh	Prof. V. Rajeswar Rao	Full time	Institute	Supramolecular Coordination Chemistry
10	T. Vikram Sagar	I.A.K.Reddy & P.S.Sai Prasad T	Part Time	--	CO2 Reforming of Methane Over La-Ni-Ce Mixed Oxide Catalysts
11	K.Vijender Reddy	P. Nageswara. Rao & I. A. K. Reddy	Full Time	Institute	Analytical Method Development and Validation for Some Active Pharmaceutical Ingredients
12	Mr. Suresh Siliveri	N. Venkatathri & I.A.K. Reddy	Full Time	DST-SERB-Junior Research Fellow	Studies on Promoter Induced Rapid Non-aqueous media Synthesis of Efficient and Eco-friendly SAPO-35 Catalyst for Methanol to Olefin Reaction
13	B. Mayuri	K. Laxma Reddy	Full Time	Institute Fellowship	Synthesis and Characterization of Metal Complexes of Schilf Bases
14	K. Ramaiah	K. Laxma Reddy	Full Time	Institute Fellowship	Synthesis, Characterization and Biological Applications of Metal Complexes of Schiff Bases
15	A. Varun	Prof. V. Rajeswar Rao	Full time	UGC-JRF	Synthesis of new heterocyclic compounds based on MCR approach
16	M. Srikanth	Prof. V. Rajeswar Rao	Full time	Institute Scholar	Synthesis of new N and S heterocyclic compounds using MC Reactions
17	J. Parameshwara Chary	Prof. V. Rajeswar Rao	Full time	Institute Scholar	Synthesis of new S heterocyclic compounds using MC Reactions
18	K. Sujatha	Prof. V. Rajeswar Rao	Full time	Institute Scholar	Synthesis of heterocyclic compounds using MC reactions
19.	K. Yugender Goud	Dr. K. V. Gobi, Co-Guide: Prof. B. V. Appa Rao	Full time	DRDO, GoI / Euphrates	Electrochemical Sensors for Explosives and Warfare Reagents
20.	V. Sunil Kumar	Dr. K. V. Gobi	Full time	Institute	Nanocomposites as Electrocatalytic Materials in Fuel Cells
21.	S. Manasa	Dr. K.V. Gobi. External: Dr. R. Subasri, ARCI	Part-time	ARCI	Corrosion analysis and control of Aluminium aeroalloys
22.	K. Shekher	Dr. K. V. Gobi	Full-time	Institute	Electrochemical Sensors of On-line Flow injection analysis of Pharmaceuticals.
23.	Mr. G. Mallikarjun	Dr. P.V.Srilakshmi	Full time	CSIR	Design, Synthesis and transfection efficiency of novel Pyrazole, Triazole, Tretrazole based novel cationic lipids for non viral gene delivey targeted to Tumour cells.
24.	Mr. M. Venkanna	Dr. P.V.Srilakshmi	Full time	CSIR	Design,Synthesis and transfection efficiency of novel cationic lipids for non viral gene delivery targeted to BBB.

25.	R. Hithavani	Dr.P.V. Srilakshmi	Full time	DST Project	Design, synthesis and evaluation of amino acid based cationic lipids for non-viral gene delivery targeting to BBB.
26.	Mr. A. Ajay kumar	Dr. N. Venkatathri	Full time	Institute Fellowship	Synthesis, characterization and photocatalytic applications of mesoporous Titano silicate nanocomposites.
27.	Mr. C. Suman	Dr. N. Venkatathri	Full time	Institute of Fellowship	Synthesis, characterization, catalytic and drug delivery application of multivalent metal ion containing mesoporous MCM-41, SBA-15, SCMS and KIT-6.
28	Mr. Suresh Siliveri	Dr. N. Venkatathri (PI) Prof. I.A.K. Reddy (Co-PI)	Full time	DST-SERB-Junior Research Fellow	Studies on promoter induced rapid non-aqueous media synthesis of efficient and eco-friendly SAPO-35 catalyst for methanol to olefin reaction
29	Mr. M. Saikumar (714054)	Dr. Vishnu Shanker	Full time	Institute	Synthesis of nanostructured semiconductor materials for water splitting application
30	Mr. G Ambedkar (716058)	Dr. Vishnu Shanker	Full time	Institute	Development of Graphene Based Nanocomposite materials for Photocatalytic Applications
31	Mr. S. Rangaswamy Reddy (716194)	Dr. Vishnu Shanker (Internal Supervisor) / Dr. Subir K Roy (External Supervisor)	Part time	CSIR	Synthesis, characterization and studies of dielectric behavior of perovskite materials
32	S. Nagaraju	Dr. D. Kashinath	Full time	UGC	Development of Synthetic methods using homogeneous catalyst
33	B. Paplal	Dr. D. Kashinath	Full time	Institute	Development of Synthetic methods using heterogeneous catalyst
34.	N.Sathyanarayana	Dr. D. Kashinath	Full time	Project	Development of Synthetic methods
35.	K. Sathish	Dr. D. Kashinath	Full time	DST (INSPIRE)	Design and Development of chiral catalysts for C-H activation
36	Mr. Thunga Sanjeeva	K. Hari Prasad	Full Time	Institute fellowship	Synthesis and Applications of new glycosidase inhibitors
37	Ms. Posala Soumy	K. Hari Prasad	Full Time	Institute fellowship	Synthesis of novel Biologically active heterocycles.
38	N. V. Bharat	Dr. B. Srinivas	Full time	Institute Fellowship	Synthesis of novel hetereocyclic spiro compounds
39	Vinay Pogaku	Dr. B. Srinivas	Full time	Institute Fellowship	Synthesis and biological evaluation of pyrazolo azitidinone derivatives.

DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES:

A. Completed – Nil

B. Working

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	Doreswamy	Madhavi Kesari	Full time	Without fellowship	"Effect of Exposing Students of Vernacular Medium to Reading Skills towards Enhancing their Competence in English: A Study of Student Performance from Select Degree Colleges in Karnataka".
2	Vijay Kumar	Madhavi Kesari	Full time	Without fellowship	Web based Technology: A Catalyst for Enhancing Oral and Written Communication Skills in B-Tech Students of RGUKT,AP IIT'S
3	Jaipal	Dr. M. Raja Vishwanathan	Full time	Without fellowship	Developing oral communication strategies to solve lexical difficulties of disadvantaged learners of engineering at the undergraduate level in select colleges of Telangana state
4	Sufiya Naheed	Dr. M. Raja Vishwanathan	Full time	Without fellowship	Bilingualism as an alternative method in ELT: An exploratory study
5	Jismy K Joseph	Dr. M. Raja Vishwanathan	Full time	Without fellowship	Working on it

SCHOOL OF MANAGEMENT:

A. Completed

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	Mr.T.Nagasai Kumar	Dr.M.Ravindar Reddy	Part-Time	-N.A-	Determinant Attributes of store brands in Indian retailing.

B. Working

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	1.Mr.M.Venugopal 2.Mr.Mohammed Shafi MK	Dr.M.Ravinder Reddy	Full-Time	Institute Fellowship	1. Share holder wealth maximization. 2. Financial inclusion of Banks thorough micro finance.
2	1.Mr.R.Mohan 2.Mr.Swamy.P	Dr.K.Padma	Part-Time Full-Time	Teaching Faculty Institute Fellowship	1.Finance (Demand side Management of Electricity) 2.Commodities Trading
3	1.Ms.Premalatha (Thesis submitted) 2.Mr.Saleh Ahmed Mozumder	Dr. P. Ramlal	Full Time	Institute Fellowship	1.Organisational culture and its impact on employee engagement.A study of RINL Visakapatnam. 2.Industrial Relations
4	1.Mr.N.Durga Prasad 2.Ms.B.Jhansi Rani	Dr.G.Sunitha	Full Time	Institute Fellowship	1.Corporate Finance 2.Behavioral finance
5	Mr.Habeeb Syed	Dr.Francis Sudhakar	Full-Time	Institute Fellowship	Consumer behavior
6	Mr.Vikas Bhatnagar	Dr.Ritanjali Majhi	Without fellowship	JRF(A study on Research and consultancy activities of NIT system in India - Ritanjali Majhi SOM)	New product growth rate

Details of the candidates admitted into Ph.D. from 01.07.2015 to 30.06.2016

Sl. No.	Name of the Student	Roll No.	Department
1.	Dasari Karthik	715001	Civil Engineering
2.	Poojari Yugendar	715002	Civil Engineering
3.	S.R.R. Teja Prathipati	715003	Civil Engineering
4.	V.Bhavita Chowdary	715004	Civil Engineering
5.	P.Lakshmi Sruthi	715005	Civil Engineering
6.	Akula Uday Kumar	715006	Civil Engineering
7.	B. Raja Rajeshwari	715007	Civil Engineering
8.	Mohammad Muzzaffar Khan	715008	Civil Engineering
9.	V.S.J. Yeswanth Paluri	715009	Civil Engineering
10.	Praveen Oggu	715010	Civil Engineering
11.	Pallavi Gulivindala	715011	Civil Engineering
12.	M.J. Sukhesh	715012	Civil Engineering
13.	L. Narayan Reddy	715013	Civil Engineering
14.	Dang Dong Nguyen	715014	Civil Engineering
15.	Suresh Lakhimsetty	715015	Electrical Engg.
16.	Jerry Joseph Jose	715016	Electrical Engg.
17.	Mateti Pujitha	715018	Electrical Engg.
18.	Hari Prasad Devarapalli	715019	Electrical Engg.
19.	Tirupathi Abhilash	715020	Electrical Engg.
20.	Kunisetti V Praveen Kumar	715021	Electrical Engg.
21.	M. Santhosh	715023	Electrical Engg.
22.	Naveen Kumar Chirumalla	715024	Electrical Engg.
23.	Valaparla Ranjith Kumar	715025	Mech. Engg.
24.	S. Venkata Sai Sudheer	715026	Mech. Engg.
25.	Suresh Gudipudi	715027	Mech. Engg.
26.	Chakala Naresh	715028	Mech. Engg.
27.	V.V.M.J. Satish Chembuly	715029	Mech. Engg.
28.	K. Jagan Mohan Reddy	715030	Mech. Engg.
29.	Abhay Bhanudas Lingayat	715031	Mech. Engg.
30.	Pagidi Madhukar	715033	Mech. Engg.
31.	Muralikrishna Boni	715034	Mech. Engg.
32.	T. Manoj Kumar Dundi	715035	Mech. Engg.
33.	Marri Vinod Babu	715036	Mech. Engg.
34.	Gollapudi Arun Manohar	*715037*	Mech. Engg.
35.	P.V.G. Brahmanandam	715038	Mech. Engg.
36.	Jai Krishna Mishra	715039	Mech. Engg.
37.	Narendra Kumar Shrivastava	715040	Mech. Engg.
38.	B. Rangilal	715041	Mech. Engg.
39.	Ganesh Segoju Warkhade	715042	Mech. Engg.
40.	Ratikanta Sahoo	715044	E.C.E.
41.	Rebelli Shashank	715045	E.C.E.
42.	B. Pranitha	715047	E.C.E.
43.	Santhosh Kumar Veeramalla	715048	E.C.E.
44.	R. Srinivasan	715049	E.C.E.
45.	S.S.S.B.S. Subba Rao	715050	E.C.E.
46.	Ravi Bolimera	*715052*	E.C.E.
47.	Prakash	715053	Met. & Mat. Engg.
48.	Shaik Mahammad Ali	715054	Met. & Mat. Engg.
49.	C Ravikanth Reddy	715055	Met. & Mat. Engg.
50.	Divi Srinivasa Rao	715056	Chemical Engg.
51.	Patan Ameer Khan	715057	Chemical Engg.

52.	Divya Priya A	715058	Chemical Engg.
53.	Yadagiri Maralla	715059	Chemical Engg.
54.	Nareshyadav Donkadokula	715060	Chemical Engg.
55.	Devani Yogendrasasidhar	715061	Chemical Engg.
56.	Devadasu Sushmitha	715062	Chemical Engg.
57.	Banavath Anil Kumar Naik	715063	Chemical Engg.
58.	Semal Sekhar Mummana	715064	Chemical Engg.
59.	Sugali Chandra Sekhar	715065	Chemical Engg.
60.	Rajeshkumar Polagani	715067	Chemical Engg.
61.	Patil Harshal Somnath	715068	Chemical Engg.
62.	Saleti Sumalatha	715069	C.S.E.
63.	Vandanababu Talakayala	715071	C.S.E.
64.	Karkade Govinda Rao	715072	C.S.E.
65.	Jakkepalli Pavan Kumar	715073	C.S.E.
66.	P. Ninian Prem Prashanth	715075	Biotechnology
67.	Nisha Gaur	715076	Biotechnology
68.	Vekamulla Narayana	715077	Mathematics
69.	Sharath Kumar Reddy Jagathpally	715079	Mathematics
70.	Nilam Venkata Koteswara Rao	715080	Mathematics
71.	S.V. Kiranmayi Chennaparapu	715081	Mathematics
72.	R. Ramarajan	715083	Physics
73.	Lalsing Guguloth	715084	Physics
74.	Umadevi Kosuri	715085	Physics
75.	Kishore Kumar Aitha	715086	Physics
76.	Pranav Kumar Annavajjala	715087	Physics
77.	Mamidala Srikanth	715088	Chemistry
78.	J. Parameshwara Chary	715089	Chemistry
79.	Palakeeti Babji	715090	Chemistry
80.	Boosagulla Divya	715094	Chemistry
81.	S. Manasa	715095	Chemistry
82.	Durgaprasad Navulla	715096	School of Management
83.	Muhammed Shafi. M.K.	715097	School of Management
84.	Saleh Ahmed Mozumder	715098	School of Management
85.	Habeeb Syed	715099	School of Management
86.	Swamy Perumandla	715100	School of Management
87.	Jhansi Rani Boda	715102	School of Management
88.	Ms. V. Rama	700753	E.C.E.
89.	Ravi Kishore. K	715104	E.C.E.
90.	Bandi Aneesha Satya	716001	Civil Engineering
91.	Koppala Sreelatha	716002	Civil Engineering
92.	B. Murali Krishna	716003	Civil Engineering
93.	Kakumanu Sagar Mariya Raju	716004	Civil Engineering
94.	Mogili Sudhakar	716005	Civil Engineering
95.	Jeripotula Pragnya	716006	Civil Engineering
96.	Kiran Kumar Vennala	716007	Civil Engineering
97.	Katineni Ramani	716008	Civil Engineering
98.	C. Srinivasa Rathnam	716009	Electrical Engg.
99.	Annamraju Anil Kumar	716010	Electrical Engg.
100.	Alladi Pranay Kumar	716011	Electrical Engg.
101.	D. Mounika	716012	Electrical Engg.

102.	P. Pratap Naidu	716013	Mech. Engg.
103.	Y. Siva Kumar Reddy	716014	Mech. Engg.
104.	Syam Kumar Chokka	716015	Mech. Engg.
105.	Padiri Murali	716016	Mech. Engg.
106.	Pudari Rakesh	716017	Mech. Engg.
107.	Goka Madhavulu	716018	Mech. Engg.
108.	A. Venkata Ramana	716019	Mech. Engg.
109.	Surendra Mohan Shrivastava	716020	Mech. Engg.
110.	Lokesh Srivastava	716021	Mech. Engg.
111.	Nagendra Babu Samineni	716022	Mech. Engg.
112.	Ambadas	716023	Mech. Engg.
113.	Hathiram Nenavath	716024	E.C.E.
114.	Roshan Mukindrao Bodile	716025	E.C.E.
115.	Sripathi Siva Prasad	716026	E.C.E.
116.	Kondamuri Shri Ramtej	716028	E.C.E.
117.	MA Mushahhid Majeed	716029	E.C.E.
118.	Bandela Surekha Reddy	716030	E.C.E.
119.	B Murali	716031	E.C.E.
120.	Sudarsana Reddy Karnati	716032	E.C.E.
121.	A. Sambasiva Rao	716033	Met. & Mat. Engg.
122.	Venkat	716034	Met. & Mat. Engg.
123.	Shiva Bejugama	716035	Met. & Mat. Engg.
124.	Vemoori Raju	716036	Met. & Mat. Engg.
125.	Katti Bharath	716037	Met. & Mat. Engg.
126.	G. Maruthi Prasad	716038	Chemical Engg.
127.	Sarath Kumar Meka	716039	Chemical Engg.
128.	Surywanshi Gajanan Datta Rao	716040	Chemical Engg.
129.	Somesula Manoj Kumar	716041	CSE
130.	Dorsala Mallikarjun Reddy	716042	CSE
131.	Hem Kumar D	716043	CSE
132.	N. Satya Krishna	716044	CSE
133.	Ms. Shweta Raj	716045	Biotechnology
134.	Potla Durthi Chandrasai	716046	Biotechnology
135.	Vanacharla Pujitha	716047	Mathematics
136.	Itikela Sreenath	716049	Mathematics
137.	Padigepati Naveen	716050	Mathematics
138.	Srawanthi Alamandala	716051	Physics
139.	Tuniki Susneha	716052	Physics
140.	Ashish Kumar	716053	Physics
141.	D. Gnyaneswar	716054	Physics
142.	M. Shiva Prasad	716055	Physics
143.	Lakkamraju Umachandi	716056	Physics
144.	Gandamalla Ambedkar	716058	Chemistry
145.	Vijendar Reddy K	716059	Chemistry
146.	Kummari Shekher	716060	Chemistry
147.	Kota Sathish	716061	Chemistry
148.	Ajmeera Ramesh	716062	Chemistry

7.2 DETAILS OF THE Ph. D AWARDED FROM 1.4.2015 TO 31.3.2016

S.No	Name of the Scholar	Department	Title of the Research	Supervisor(s)
1.	Mr. Anoop C.K.	Civil Engineering	A Study of Environmental Stable Isotopes, Physico-Chemical Water Quality Parameters and Urban Lake-Groundwater Interaction	Dr. E. Venkata Rathnam Prof. K.V. Jaya Kumar
2	Mr. T. Ramesh	Chemistry	Development and Validation of Analytical and Bioanalytical Methods for Selected Drugs by HPLC and LC-MS	Dr. P. Nageswara Rao
3	Mr. M. Kavicharan	E.C.E.	Efficient Delay and Crosstalk Estimation Models for VLSI Interconnects	Prof. N.S. Murthy and Dr. N. Bheema Rao
4	Mr. Ravi Babu Velpula	Chemistry	Synthesis of Nitrogen, Oxygen and Sulphur incorporated Heterocycles and their Biological activities	Dr. B. Rajitha (Emeritus)
5	Narasimha Reddy Miryala	Chemistry	Corrosion Protection of Copper by Self-Assembled Films of Azoles with Long Chain Hydrocarbons	Prof. B.V. Appa Rao
6	Mr. Ashok Jaywantrao Keche	Mech. Engg.	Modeling and Experimental Studies on an Improvised Downdraft Biomass Gasifier with Different Biomass Fuels	Dr. G. Amba Prasad Rao Dr. R.G. Tated (External)
7	Ms. Korrapati Samrajyam	Physics	Studies on Estimation of Crack Mouth Opening Displacement in Concrete using Optical Fiber Sensors	Dr. R. Sobha Dr. RLN Sai Prasad
8	K. Koteshwara Reddy	Chemistry	Development of Electrochemical sensors for Biomarkers using Molecular Recognition Elements and Nanocomposite Electrodes	Dr. K.V. Gobi
9	K. Srinivas	Physics	Nonlinear Analysis and Characterization of Heart Rate Variability in Health and Disease	Prof. L. Ramgopal Reddy
10	Ms. Rajini A	Chemistry	Development of novel metal containing Aminophosphates for catalytic and biological applications	Dr. Venkatathri Narayanan

11	Murali Matcha	Electrical Engg.	Transmission pricing in pool and transaction based power markets using game theory and heuristic techniques	Dr. M. Sailaja Kumari Prof. M. Sydulu
12	K. Kishore Kumar	Mech. Engg.	Damping studies on sandwich structures with viscoelastic layers	Dr. P. Bangaru Babu Dr. Y. Krishna - DRDL
13	K. Srivani	Chemical Engg.	Nutritional and environmental parameter studies on the production of xylitol from D-xylose by candida parapsilosis-NCIM-3323	Prof. Y. Pydisetty
14	Chandrasekhar Yammani	Electrical Engg.	Multi-objective optimal placement and sizing of distributed generators using meta-heuristic techniques	Dr. M. Sailaja Kumari Prof. M. Sydulu
15	Mr. Vamsi Krishna Narla	Mathematics	Peristaltic transport in curved channels	Dr. J.V. Ramana Murthy Dr. K. Maruthi Prasad (External)
16	Mr. Bade Thirupaiah	Chemistry	Bromo Dehydroacetic acid as a building block for various heterocyclic compounds	Prof. V. Rajeswar Rao
17	Mr. A. Balaraju	Mech. Engg.	Analysis of automobile suspension systems and development of optimal hydraulic controller for enhancing comfort level	Prof. R.V. Chalam
18	Mr. Surendar. T	Chemistry	Synthesis and characterization of highly efficient nanostructured materials for photocatalytic applications under sunlight irradiation	Dr. Vishnu Shankar
19	Nilesh Kashinath Gajarlawar	Mech. Engg.	Studies on the reduction of particulate matter from modern automotive diesel engines	Dr. G. Amba Prasad Rao Dr. Mathew Abraham
20	A. Varun	Mech. Engg.	Single-Discharge analysis and multi objective optimization of wire-edm using grey relational analysis coupled with genetic and firefly algorithms	Dr. N. Venkaiah Prof. B. Kotiveerachari

21	Ms. Y. Navatha	Civil Engineering	Planning and design of infrastructural facilities in rural areas using advanced geospatial technologies.	Dr. Deva Pratap Dr. Venkata Reddy Keesara
22	Mr. Bairu Vijay Kumar	Electrical Engg.	Optimal location and sizing of unified power flow controller to improve power system stability using hybrid heuristic algorithms.	Dr. N.V. Srikanth
23	Mr. Ravi Kiran Goolla	Mathematics	Effect of peristalsis on dispersion in non-newtonian fluid flows with wall properties.	Prof. G. Radhakrishnamacharya
24	Shah Abhijeet Prakash	Mech. Engg.	Conjugate mixed convection with surface radiation from a vertical channel with multiple non-identical flush - mounted discrete heat sources in the left wall	Prof. C. Gururaja Rao
25	Mr. Ajay Kumar Moodadla	Electrical Engg.	Intelligent controlled HVDC light and MTDC transmission systems for the onshore AC grid integration with offshore wind farm	Dr. N.V. Srikanth
26	Desalegn Wogaso Wolla	Mech. Engg.	Experimental and FEM investigations on deformation behaviour of aluminium-copper preforms during uniaxial upsetting.	Dr. MJ Davidson & Dr. Asit Kumar Kanra
27	Mr. Saikumar Gadakary	Met. & Mat. Engg.	Synthesis of borides powder and deformation behaviour of boride based composites.	Dr. Asit Kumar Khanra
28	Ms. T. Reshma	Civil Engineering	Parameters Optimization for Event Based Rainfall-Runoff Model using Soft Computing Techniques	Dr. K. Venkata Reddy Dr. Deva Pratap
29	Mr. Srinivas T	Chemical Engg.	Heat Transfer Enhancement in a Shell and Helical Coil Heat Exchanger using Nanofluids	Dr. A. Venu Vinod
30	Ms. Gali Rajitha	Chemistry	Studies on Synthesis and Biological Evaluation of Novel Nitrogen and Sulphur Heterocycles	Dr. B. Rajitha
31	S. Ravichandra	C.S.E.	Some Schema Evolution Techniques In Relational Databases	Prof. DVLN Somayajulu

32	Mr. Mohammad Ahasan	Mech. Engg.	Deformation And Densification Behaviour Of Sintered Al-TiB_2 Preforms During Upsetting	Dr. M.J. Davidson
33	Ms. Padmaja. P	Mathematics	Initial and Boundary Value Methods for Solving SingularlyPerturbed Two Point Boundary Value Problems	Prof. Y.N. Reddy Prof. BDS Prasad
34	C. Lakshmi Sireesha	Mathematics (QIP)	Numerical Analysis of Singularly Perturbed Differential Difference Equations	Prof. Y.N. Reddy
35	Mr. T. Naga Sai Kumar	School of Management	Determinant Attributes of Store Brands in Food and Grocery Retailing-with Special Reference to Grater Hyderabad	Dr. M. Ravinder Reddy Prof. R. Kondal Reddy (External)
36	T. Sadasiva Rao	Mech. Engg.	Machinability, Modelling and Optimization in face milling of Inconel 718 with coated carbide inserts	Prof. A. Venugopal
37	Ms. Ch. Sulakshna	E.C.E.	Design and Performance evaluation of compact broadband CPW fed reconfigurable microstrip antennas	Dr. L. Anjaneyulu
38	Mallika A.N.	Physics	Structural and Optical studies of transition metal ions doped ZnO Nano Materials	Prof. A. Ramachandra Reddy & Dr. K.V.G. Reddy
39	Anne Sarath Babu	Chemical Engg.	Modeling, Simulation and Optimization of Ammonia Converter using Mechanistic Artificial Neural Networks and Genetic Algorithms	Prof. G. Venkat Reddy
40	Mr. P. Vengal Rao	Physics	Experimental Studies on Pressure Measurement using Fiber Optic Sensors	Prof. K. Srimannarayana Dr. M. Sai Shankar
41	T. Lokeswar Rao	Mech. Engg.	Optimization of process parameters in wire EDM of SS316 SS321, SS17-4 PH and H 13 hard steels with brass and zinc coated brass wire electrodes	Dr. N. Selvaraj Dr. M.J. Davidson
42	Mr. Gadakh Vijaya Shivaji	Mech. Engg.	Modeling and Validation of Different Tool Pin Profiles in	Dr. A. Kumar Dr. G.J. Vikhepatil (External)

			FSW of Aluminium Alloy	
43	Mr. T. Karthikeya Sharma	Mech. Engg.	Parametric studies on performance and emission control strategies of a HCCI engine	Dr. G. Amba Prasad Rao (Supervisor) Prof. K. Madhu Murthy (Co-supervisor)
44	Syed Azam Pasha Quadri	Mech. Engg.	Experimental Investigation on Combustion, Performance and Emmissions Analysis on a Dual Fuel VCR Diesel Fueled Engine Enriched with Hydrogen, CNG & HCNG	Dr. P. Ravi Kumar Dr. Mohammad Masood
45	Mr. Yamala Murali Krishna	Mech. Engg.	Conjugate Mixed Convection with Surface Radiation from a Vertical Plate with Multiple Non-Identical Flush-Mounted Discrete Heat Sources	Prof. C. Gururaja Rao
46	Rajeswara Rao Nakka	Physics	Spectroscopic and thermal studies on Gamma and Electron beam irradiated Biopolymers	Prof. SVS Ramana Reddy
47	T. Venu Madhav	E.C.E.	Energy Efficient Routing Issues in Homogeneous and Heterogeneous Wireless Sensor Networks	Prof. NVSN Sarma
48	Mr. V. Venkateswar Reddy	E.C.E.	Studies on Fractal Boudary Microstrip antennas for Circular Polarization	Prof. N.V.S.N. Sarma
49	K. Keerti Kumar	E.C.E.	Investigations on Sub-threshold Leakage Current Reduction in CMOS Circuits	Dr. N. Bheema Rao
50	Kadali Ravi Kumar	Electrical Engg.	PSO and Multi-Agent based Algorithms for Optimal Power Flow Studies with Facts Devices	Prof. M. Sydulu
51	Mr. Sreenu Pavurala	Chemistry	Synthesis and Biological Activity of New Sulphur Heterocyclic Compounds Derived from Coumarins	Prof. V. Rajeswar Rao
52	Mr. Raj Kumar Ramagiri	Chemistry	Multi component synthesis of new nitrogen sulfur heterocyclic compounds and	Prof. V. Rajeswar Rao

			studies on their biological activity	
53	Mr. Ravinaik Banoth	Met. & Mat. Engg.	Influence of Chemical Composotion and Heat Treatment on Microstructure, Tensile and Wear behaviour of Metastable Beta Titanium Alloys	Prof. G.V.S. Nageswara Rao
54	Mr.V.Srikumar	C.S.E	Study And Modelling of Design Strategies for Software Systems Performance Improvement	Prof. D.V.L.N. Somayajulu

Number of Ph.Ds. Awarded from 01.04.2015 to 31.03.2016

1.	Civil Engineering	:	03
2.	Electrical Engineering	:	05
3.	Mechanical Engineering	:	14
4.	Electronics & Commn. Engg.	:	05
5.	Met. & Mat. Engg.	:	02
6.	Chemical Engineering	:	03
7.	Computer Science & Engg.	:	02
8.	Biotechnology	:	00
9.	Mathematics	:	04
10.	Physics	:	05
11.	Chemistry	:	10
12.	School of Management	:	01
13.	Hum. & Soc. Sciences	:	00
			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
NIL				

ii) Ongoing

Name of the Project	Name of the Coordinator(s)	Sanction Letter and Date	Amount sanctioned (Rs. in lakhs)	Funding Agency
Integrated Urban Flood Management in India: Technology Driven Solutions	N V Umamahesh and Ajey Kumar Patel	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	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	P.Venkateswara Rao, NITW VaibhavGoud, IIT G S.S.Baral, BITS Goa Campus	08.7.2014	27.428	Department of Biotechnology
Development of efficient bioleaching process for the metal recovery from spent catalysts	S.S.Baral P.Venkateswara Rao Vaibhav Goud		26.56	Department of Biotechnology
Analysis of turbulent flow in surface aeration tanks by computational fluid dynamics (CFD)	Ajey Kumar Patel (PI) and KV Jayakumar	No. SB/S3/CEE/ 0057/2013, dated 07.05.2015	33.63	DST, SERB
Development of Precise and Real Time Simulation Watershed Modeling System Using Advanced Geospatial and Soft Computing Methods	K. Venkata Reddy Deva Pratap	DST/TM/WTI/2K12/47(G) dated 26.09.2013	18.40	DST-WTI
Sealing of Gravel Roads	C.S.R.K. Prasad (P.I.), Venkaiah Chowdary (Co-Investigator)	No. E6/Pilot projects/2008, dated 27.05.2009	19.5	Ministry of Rural Development
Effect of Aging on the Mechanical Response of Asphalt Binders	Venkaiah Chowdary	SB/FTP/ETA-148/2012, dated 20.05.2013	20.90	Department of Science and Technology
DST Fast Track Project for Young Scientists titled "Pedestrian Behaviour Dynamic Analysis near Intersections and Terminals"	Ravi Shankar KVR	SERB/F/1821/2014-15 dated 18-06-2014	21.72	DST, Government of India
MOUD COE on Urban Transport	CSRK Prasad		132.50	MOUD, GOI Delhi
Fast Track Project for Young Scientists titled "Performance Evaluation of Emulsified bitumen and cement treated bases.	S. Shankar	SB/FTP/ETA-16/1/2013		DST, Government of India

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	Ajey Kumar Patel (PI) KV Jayakumar (CoPI) and 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 :

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.SivaSarma	24/02/2015	Rs.26 lakhs	Applied to DRDO
Optimized and Efficient Stand Alone PV System for Rural Applications	Sachin Jain(PI) Dr. Vivek Agarwal (Co-PI)	20-11-2015	Rs. 31.796 Lakhs	DST/SERI
Minimization of Storage requirements in renewable-rich Microgrid through coordinated Control of resources	Dr. P. Chandrasekhar		Rs. 50 lakhs	SERB, DST, GoI

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	Development of reliability estimation software for air defence systems	Dr. C. S. P. Rao Dr.P.S.C.Bose	2016	24.00 lakhs	Program (AD)	
2	Machinability and wear studies of high temperature alloys(Like Nicrofer C263, Niobium C103) and effect of nanofludies	Dr. P. S. C. Bose Dr. C. S. P. Rao	2015	24,01,200/-	DRDO, Hyderabad	
3	Fabrication and characterization of porous nano carbon from activated bio waste for tribological and structural applications	Dr. G Raghavendra and Dr satish ben	SERB:SERB/F/ 0779/2016-17, dated 27.05.2016	38 lakhs	DST	

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
Development of Adaptive Digital Beam Forming Algorithm and Analysis for Active Phased Array Radars	Dr.L Anjaneyulu Prof. NS Murthy		9.9	LRDE Banglore
Design of Optimum Phased Array and Fault Diagnosis	Prof. NVSN Sarma Dr. D Vakula		9.9	DLRL, Hyderabad
O-QPSK Modulator & Demodulator Design & Its Performance Analysis for IEEE 802.15.4 Personal Area Network	Dr. VV Mani		9.98	ANURAG, Hyderabad
Characterization of Dual Polarized Waveguide Slot Radiator	Dr. D Vakula Prof. NVSN Sarma		9.8	RCI, Hyderabad

ii) Ongoing

Name of the Project	Name of the Coordinator(s)	Sanction Letter and Date	Amount sanctioned (Rs. in lakhs)	Funding Agency
Design of 14 bit 4-Channel ADC with high voltage analog input	Dr.SreehariRao	05.03.2015	5.9	DRDO
Design of DS CDMA Trans Receiver	Dr. S Anuradha Dr P Srihari Rao		9.9	RCI, Hyderabad
Design and Simulation of Ultra Wide Band Conformal Patch Antennas	Dr. D Vakula Prof. NVSN Sarma		9.9	DLRL, Hyderabad
Design and Simulation of Missile Antennas	Prof. NVSN Sarma Dr. D Vakula		9.9	DRDL, Hyderabad
Design and Simulation of Omni directional Antennas	Prof. NVSN Sarma Dr. D Vakula		9.9	DRDL,Hyderabad
Development of Novel Adaptive Beamforming Algorithms for speech enhancement	Dr. T Kishore Kumar		18.6	SERB, R & D

B. Interdisciplinary Projects

i) Completed: NIL

ii) Ongoing: NIL

DEPARTMENT OF METALLURGICAL AND MATERIALS ENGINEERING

A. Intradisciplinary Projects

i) Completed :

Name of the Project	Name of the Coordinator(s)	Sanction Letter and Date	Amount sanctioned (Rs. in lakhs)	Funding Agency
Studies on Corrosion Behaviour of a Nickel-based Superalloy for Application as Fasteners in Marine Environment	M. K. Mohan	Reference No: DNRD/0100/NRB/4 179/D (R&D), dated 20/11/2007	18.80	Naval Research Board (NRB)
Synthesis and Characterization of ZrB_2 Powder and ZrB_2 based Composite Powder	A. K. Khanra	No:ERIP/ER/09044 97/M/01/12, dated 19/03/2010	15.86	Defence Research and Development Organisation (DRDO)
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	A. K. Khanra	Reference No: 22 (0597)/12/EMR-II, dated 02.04.2012	10.86	Council of Scientific and Industrial Research (CSIR)

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	No. 36(2)/14/42/ 2014-BRNS/0945 dated 3rd July 2014	40.025	DAE-BRNS
Influence of Gas Tungsten Arc Welding on Microstructure and Tensile Properties of Cu modified Ti-6Al-4V alloy	Prof. G. V. S. Nageswara Rao	No.ERIP/ER/11060 21/M/01/1500, Dated 18. Nov. 2103	20.77	DRDO-ERIPR
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	No. 2013/36/15-BRNS/0735, dated 06.06.2013	46.655	DAE-BRNS
Studies to improve the life of die used for minting the coins	Asit Kumar Khanra, G. V. S. Nageswara Rao and N. Narasaiah	Ref No: IGMH/ R&D/ 2015-16/ 2238 Date: 09-01-2016	04.00	Mint Hyderabad
Development of ZrB_2-SiC-Si_3N_4 ceramic composites for high temperature applications	Dr. G. Brahma Raju	No. SB/FTP/ETA-0089/2014 Dated: 8th July 2015	27.60	DST-SERB
Development of ductile SMA through Powder Metallurgy	R. Arokia Kumar		00.40	UGC-DAE-CSR
Development of high strength and creep resistant Mg-Li alloys for automotive and aerospace applications	B. Srinivasa Rao	Ref: SERB-11 March 2016	20.79	DST-SERB
In Situ hydrogen damage evaluation of boiler waterwall tubes using NDT	R. Arokia Kumar, Ajoy Kumar Panday and N. Narasaiah		10.00	NTPC

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 (PI) Prof.M.Nageswara Rao Dr. Bhanu Pant	Reference No: ISRO/RES/3/608/10-11, dated 10/02/2011	16.79	RESPOND-ISRO	Department of Mechanical 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 (Co-PI)	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 (Co-PI)	DRDL/24/08P/14/0138/N2011 dated 7th Aug 2014	09.85	DRDL	Department of Mechanical Engineering , VIT, Vellore
Simulation of pitting corrosion and galvanic corrosion in stressed andunstressed 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
Development of dispersion process of high solid containing propellant slurry with Al nanoparticles	Dr. Shirish Sonawane, Dr. S. Srinath, Prof. Y. Pydi Setty	2013	10.40	Indian Space Research Organization

ii) Ongoing

Name of the Project	Name of the Coordinator(s)	Sanction Letter and Date	Amount sanctioned (Rs. in lakhs)	Funding Agency
Synthesis of nanohydrogel, and development of hybrid waste water treatment technique using cavitation technique and hydrogel	Dr. Shirish Sonawane	2013	29	Ministry of Environment and Forests
Prototype development of fuel cell	Dr. Shirish Sonawane	2014	104	Department of Information and Technology,Government of India
Development of hybrid,self-healing coating using ultrasound assisted encapsulation approach for anticorrosion performance	Dr. Shirish Sonawane & Dr. S.Srinath	2014	34	Extramural Research & Intellectual Property Rights, Defense Research and Development Organization, India
Designing and assessment of a dynamic perfusion bioreactor for polymer guided bone regeneration by using mesenchymal stem cells	Dr. Shirish Sonawane	2015	11.1	Department of Biotechnology, Government of India
Development of cellulose acetate based membranes containing nanoparticles for fluoride removal from drinking water	Dr. Shirish Sonawane, Dr. Sathish Babu	2014	10	Council of Scientific and Industrial Research, Government of India
Crystallization and Drying	Dr. Shirish Sonawane	2015	8	Ministry of Human Resource Development
Development of Cellulose acetate based nanoporous membranes for Fluoride removal from ground water	Dr. K. Anand Kishore	2015	22.42	CSIR
Theoretical and Experimental studies on Chemical Looping Combustion (CLC) of Indian coal	Dr. P. V. Suresh	2015	28.07	Science and Engineering Research Board (SERB) Govt. of India

Other Projects:

MHRD sponsored project for Curriculum Design and Development for "Novel Separation Techniques" as a part of "Developing suitable pedagogical methods for various classes, intellectual calibers and research in e-learning" under National Mission project on education through ICT. Coordinated by IIT Kharagpur.Rs. 7 lacs (Main Developer: **Prof. Y. Pydi Setty**).

MHRD sponsored project for Curriculum Design and Development for "Instrumentation & Process Control" as a part of "Developing suitable pedagogical methods for various classes, intellectual calibers and research in e-learning" under National Mission project on education through ICT. Coordinated by IIT Kharagpur.Rs. 7 lacs (Developers: **Dr. A. Seshagiri Rao** and **Prof. T. K. Radhakrishnan, NIT Trichy**).

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)
Simulation of pitting corrosion and galvanic corrosion in stressed and unstressed parts subjected to chloride environment	Dr. T.Sunil Kumar (PI), Dr. N.Narasaiah (MME), Prof. B.V.AppaRao (Chemistry)	23 Dec 2013	Rs. 23.4 lakhs revised to Rs. 25.48 Lakhs	Naval Research Board, DRDO	MMED, Chemistry (NITW)

DEPARTMENT: COMPUTER SCIENCE & ENGG.

A. Intradisciplinary Projects

i) Completed:

Name of the Project	Name of the Coordinator(s)	Sanction Letter and Date	Amount Sacntioned (Rs. In lakhs)	Funding Agency
Information Security Education and Awareness Project' (ISEAP) Phase-I	Prof D V L N Somayajulu	Sept, 2005	67.82	DeitY, Govt. of India
Design and Development of E-content generation and delivery management for student centric learning	Prof D V L N Somayajulu & Prof B B Ambarkar	Feb, 2009	21.00	NMEICT-MHRD, GOI
Development of an Information Management System for Operationalizing Mate..al Neonatal & Child Health in CHNC Area.	Prof B B Ambarkar & S Ravi Chandra	April, 2011	10.00	UNICEF
Secure SMS using Koblitz curve based ECC on Android Devices	Dr R Padmavathy	May, 2013	7.07	DST-SERB

ii) Ongoing

Name of the Project	Name of the Coordinator(s)	Sanction Letter and Date	Amount Sanctioned (Rs. In lakhs)	Funding Agency
Information Security Education and Awareness Project' (ISEAP) Phase-II	Prof T Ramesh & Prof D V L N Somayajulu	10-04-2015	185	DeitY, Govt. of India
Electronics and ICT academy	Prof D V L N Somayajulu & N S S N Sarma	26-03-2015	2500	DeitY, Govt. of India
Pedagogy Research project for Problem Solving and Programming	Prof.S.G. Sanjeevi	2013	7	MHRD, Govt, India (through IIT Kharagpur)
Developing suitable pedagogical methods for various classes, intellectual calibers and research in e-learning – *Data Mining*(main)	Dr. R. B. V. Subramanyam	2013	7	MHRD, Govt, India (through IIT Kharagpur)
Mini Centre of Big Data	Prof. D.V. L. N. Somayajulu and Dr. R. B. V. Subramanyam	2013	100	
Pedagogy Research project for Compiler Design	Dr.U.S.N.Raju	2013	7	MHRD, Govt, India (through IIT Kharagpur)
Developing suitable pedagogical methods for various classes, intellectual calibers and research in e-learning – *Mobile Computing*(main)	Dr. R.R. Rout	2013	7	MHRD, Govt, India (through IIT Kharagpur)
Solving Discrete Logarithm Problem over GF(2^n) using Function Field Sieve method	Dr R Padmavathy and Dr.S. Ravi Chandra	March 5, 2015	23.35	DRDO, SAG New Delhi

DEPARTMENT OF MATHEMATICS:

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
Dispersion effects on convective flows	Dr.Ch.RamReddy	Research Seed Grant (RSG) Scheme,Jan.2015	4.00	MHRD

ii) Ongoing:

Name of the Project	Name of the Coordinator(s)	Sanction Letter and Date	Amount sanctioned (Rs. in lakhs)	Funding Agency
Nonlinear convection in rotating Earth's outer Core with Isotropic/ Anisotropic Diffusivities	Dr. A. Benerji Babu	16th Feb 2016	25.00	DST(SERB)
Numerical treatment of convective transport in non-Newtonian fluids	Dr.Ch.RamReddy (PI)& Dr D Srinivasacharya	Grant Number:25(5034)/14, w.e.f. 01/10/2015	9.,94	Counsel of Scientific and Industrial Research, NEW DELHI, INDIA.

DEPARTMENT OF PHYSICS

A. Intradisciplinary Projects

i) Completed

Nameof theProject	Nameofthe coordinator(s)	Sanctionlette r&date	Amount sanctioned (Rs.inlakhs)	Funding Agency
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	DST

ii) Ongoing

Nameof theProject	Nameofthecoor dinator(s)	SanctionLett erandDate	Amount sanctioned (Rs.inlakhs)	Funding Agency
Optical and lifetime studies of 1,2-Diaroyl/heteroaroyl Benzenes and organic light emitting diode (OLED) characteristics	Dr. K. Thangaraju	SERB/SR/FTP/PS-162/2012 and 18-11-2013	23.34	DST-SERB-YSS
Effects of electron beam irradiation on poly lactic acid blends and composites	Dr. T. Venkatappa Rao, Prof. SVS Ramana	35/14/55/2014-BRNS Dt. 1.1.2015	17.715	BRNS, DAE, Govt. of India.
Nanostructured 'La' doped $BaSnO_3$ Electrodes for high efficiency Dye-Sensitized solar cells	Dr. D. Paul Joseph	SERB-FILE-No. YSS/2014/000191 dt.21-12-2015	26.16	DST-SERB-YSS
Synthesis and nonlinear optical studies on MoO_3 based Lead silicate glass ceramics for applications in NLO devices	Dr. Syam Prasad		5.50	SERB

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 Nano-organized ElectrochemicalImpedance Immunosensors for Detecting Trace Levels of Explosives and Biowarfare Agents	Dr. K. V. Gobi (PI), Prof. B. V. Appa Rao, (Co-PI)	ERIP/ER/1006008/M/01/1386, dt.29th November 2011	19.74	Defence Research and Development Organization (DRDO), Government of India
Rational Design of Dimerizable and Targetable Cationic Peptide Amphiphiles for non-viral Gene Delivery	Dr. P.V. Srilakshmi	Oct. 2007	10.00	CSIR
Development of Benzoxazole, Benzthiazole and Benzimidazoles Based Novel Cationic Amphiphiles for Non-Viral Gene Delivery Targeting to Tumors	Dr. P.V.Srilakshmi	January 20, 2010	19.10	DST Fast Track
Development of Pyrazole, Triazole and Tetrazole Based Novel Cationic lipids for Targeting Non-viral Gene Delivery to Tumors	Dr. P.V.Srilakshmi	22th Januarv 2013.	31.6	DST
Synthesis, characterization and doping effect-studies of complex metal oxide nano particles.	Dr. Vishnu Shanker	SR/FT/CS-096/2009	19.45	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
Electrochemical and surface analytical studies of corrosion behavior of selected super alloys under gas turbine engine conditions	Prof. B.V. Appa Rao(P.I) Prof. M.K.Mohan (Co-PI)	19-1-2015	19.97	Naval Research Board, Govt. of India
Studies on promoter induced rapid non-aqueous media synthesis of efficient and eco-friendly SAPO-35 catalyst for methanol to olefin reaction	Dr. N. Venkatathri (PI) Prof. I.A.K. Reddy (Co-PI)	08-10-2015	29.66	DST-SERB, New Delhi
Novel glycosylation methods and their application to biologically important molecules	K. Hari Prasad	Sanctioned from 30.10.2015	35.00	DST-INSPIRE
N-Heterocyclic Carbene Catalyzed Tandem [2+2] and [4+2] Cycloaddition Reactions: Application in the Synthesis of Bioactive Compounds	K. Hari Prasad	Sanctioned from 31.10.2015	23.0 0	DST-SERB

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)
Centre for sustainable Energy Systems	Prof. S. Srinivasa Rao (Coordinator) Prof.A.Ramachandraiah (Co-Coordinator)	TEQIP-II	900	TEQIP-II	Mech. Engg. Electrical Engg. Chemical Engg. Physics Chemistry
MHRD-Teaching-Learning Centre	Prof. I. Ajit Kumar Reddy (Coordinator) Prof. B.V. Appa Rao Prof.A.Ramachandraiah (Core Team Members)	MHRD	963	MHRD	CET, NITW
Establishment of "Teaching Learning Centre" at NIT Warangal	Prof. I. A. K. Reddy	F.No.3-13/2015-PN.II 30-9-2015	963	MHRD, GOI	Centre for Educational Technology, (Core Committee Members are drawn from all departments
Centre for sustainable Energy Systems	Dr. K. V. Gobi (Core Team Member)	TEQIP-II	900	TEQIP-II	Mech. Engg. Electrical Engg. Chemical Engg. Physics Chemistry
Design and synthesis of (-)-kaitocephalin derivatives and their pharmacological evaluation as ionotropic glutamate receptor (iGluRs) antagonists	Dr. D. Kashinath	23 May 2014	24.50	DST (SERB)	
Synthesis of novel 1-(phenyl (phenylamino)methyl)naphthalen-2-ol based chiral catalysts and their applications to asymmetric organic transformations (C-H activation)	Dr. D. Kashinath	18 May 2015	30.16	DST (SERB)	

SCHOOL OF MANAGEMENT

A. Intradisciplinary Projects

i)Completed : NIL

ii) Ongoing : NIL

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)
A study on Research and consultancy activities of NIT system in India	Dr.Ritanjali Majhi				

ii) Ongoing: NIL

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
Designing and assessment of a dynamic perfusion bioreactor for polymer guided bone regeneration by using mesenchymal stemcells.	Dr. P.Sreenivasa Rao	BT/PR8056/MED/31/215/2013	35.00	DBT
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
Studies on Mitogen-activated protein kinase of *Leishmania* parasite as a therapeutic target	Dr.Prakash saudagar	SERB	20.90	DST
"Development of Tailor Made Pretreatment Technologies for Production of Fermentable sugars and Bioethanol from Corncobs"s	Dr. Rama Raju.B	ECR/2015/000076 15-03-2016	33.66	Science & Engineering Research Boards Department of Science& technology, India.

7.4 Sponsored Research and Industrial Consultancy

During the period **01-04-2015 to 31.03.2016 an amount of Rs. 61,95,117=00** has been collected from various organizations towards consultancy / testing charges and the works are completed.

DETAILS OF CONSULTANCY ACTIVITIES

S.No.	Job Index No.	Client Organisation	Name(s) of Expert(s) with Designation	Department	Revenue/Fee (in Rs)
1.	26	S.C.Co. Ltd, BHEL, R&B, APGENCO, APIIC, Ltd, I&CADD, S.C.Rail way, Municipal corporation & other organizations	Dr.G.Rajesh Kumar, Dr.CBK Rao Dr.Rama Seshu, Dr.T.D.Gunneswara Rao M.Sudhakar Dr.P.Rathish KumarDr.Tezeswi	Structures Div of CED	26,71,402=00
2.	39	NTPC (FQA), Water Resources Dept, Govt of (AP), S.E Railway, I&CADD, DrBRAPCSS, STPP, TS TRANSCO, Panchayat Raj, NIT (AP) & other organizations	Dr.V.Ramana Murthy, Dr.P.Hari Krishna, Dr.M.Heeralal, Dr.G.Kalyan Kumar, Dr.M.Raksh, J.Pillai,	Soil Mechanics	9,91,822=00
3.	9	(FAC) PR, TJWTC, S.C.Co,LTD, CPWD, Wgl. PR PIU, Div Wgl. &ther organizations	Dr.C.S.R.K. Prasad, Dr.Venkaiah Chowdary, Dr,K.V.R.R.Shankar, Dr.S.Shankar, Dr.Arpan Mehar,	Transportation Div. of CED	10,81,388=00
4.	4	RK-HES-KOYA(JR), PIPHWC, CPWD, KTPS, Tata Project Ltd, ME&I Ltd, TIE, &ther organizations	Dr. N.V.Umamahesh, Dr. Anand Raj, Dr.E.VenkatRathnam, Dr.Ajey Kumar,	Water & ENV Div. of CED.	11,21,330=00
5.	2	SKDGNSS Circle, (FAC) HNSSC	Dr. M.Sydulu, Dr.D.V.S.S.Siva Sarma Dr. N.Subramanyam, DR.R.V.Chalam,	Electrical Engg. Dept	2,24,720=00
6.	2.	Megatine Speciality Chemical, S.S. Gas, LTD,	Dr.Shirish Sonawane Dr.Sharath Babu	Chemical Engg. Dept	1,04,455=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)
- 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
- Francis Turbine Test Rig
- ANSYS CFD
- 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
- Liquid-Sediment sampler
- MERLIN – road roughness measurement (under RRPPS)
- Brookfield Viscometer (Bitumen Rheology studies)
- Sample cutter (slab/beam cutting)
- 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
- Spectrophotometer
- Fume Hood
- Pressure aging vessel
- Air compressor (large)
- PTV VISWALK
- UTM (50 t capacity) for testing geosynthetics
- High Performance Liquid Chromatography (HPLC)
- Gas Chromatograp
- NaI Detectors and MIDAS
- MIKE Lab Kit, MIKE URBAN

- Digital Water Level Recorders
- 12 Cube Capacity Lab Oven
- 100 Lt Concrete Pan Mixer
- Concrete Permeability Apparatus- Six Cell
- Pressure aging vessel
- Air compressor (large)
- Moisture induced sensitivity tester
- Hot air Oven
- Cyclic Triaxial Apparatus
- 2T Tensometer
- Accelerated Curing Tank-12 Cubes
- Rolling thin film oven
- Air compressors (small)
- Corelok
- PTV VISWALK
- 1000 KN – Dynamic Testing Machine

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
- National Instruments – CRIO with I/O modules
- Three Phase, 4-leg, 3-level Inverter
- DC-DC chopper + IGBT based Inverter Module
- 10 KW programmable DC power supply with solar array
- 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;
- Advanced Power Quality Analyzer
- dSpace DS 1104 R&D Controller & CLP 1104
- Five-leg Voltage Source Inverter
- 4 channel digital storage oscilloscope
- Current probes

- QUBE Servo with USB-Rotary Servo Experiment Modules
- Mixed Signal Oscilloscope (MSO): 100 MHzBandwidth, 1 GS/s Sample
- Transformer and inductors
- Programmable Electronic Load (AC+DC) 5 KW
- Inverter Module: Five leg inverter with Chopper control
-

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

- 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 Mill Trainer
- Air Jet Erosion Tester
- 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
- CNC Lathe Trainer
- Pin on disc Friction and Wear Test Rig
- Four Ball Tester

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
- 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.)
- IE3D SSD fullwave 3D software
- 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

- Communication System modules
- Low end workstation
- Optical laboratory equipment
- Advanced microstrip
- Dell workstation &Dell precision tower
- Computs workstation
- DELL workstation higher end
- NI USRP-2953R,120MHZBW,1.2GHZ TO 6GHZ SDR+GPS CLOCKS
- NI USRP-2943R,120MHZBW,1.2GHZ TO 6GHZ SDR Accessories
- DSP starter unit module(Floating point DSP Processor)
- Analog digital circuits platform module
- TCAD
- OS for software RHEL7
- PLC
- Matlab software
- High end workstation
- Microwave equipment
- HFSS software simulation package
- Servers
- Workstation i7 processor
- Computer lab modular 4 seater tables
- Seminar hall fixed chairs with writing pads
- NI USRP-2953R,120MHZBW,1.2GHZ TO 6GHZ
- NI USRP-2943R,120MHZBW,1.2GHZ TO 6GHZ SDR+GPS Clock Accessories
- Digital IC's trainers
- DSB/SSB AM transmitter,receiver,FM
- 30MHZ CRO'S
- LAN installation in mixed signal lab
- TMS 320dm 6437 Digital video development

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
- QUALNET 7.2(Software)
- 12V;100AH;QuantaVRLA(37 items)
- 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
- 12V;100AH;QuantaVRLA (17items)
- IBM Cognos BI Software & IBM Worklite Software (30 Licence)

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
- 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
- Single Effect Evaporator
- Horizontal and vertical condenser Process Trainer
- Programmable Function Generator
- Diffusivity Apparatus
- Aspen Plus Simulation Software
- Flue gas Analyzer
- Fermenter
- Computer Control of Temperature level and flow processes
- Tubular Reactor
- Embulsion Polymerization Reactor
- Semi batch Reactor
- High performance Liquid Chromotograph
- UV Visible spectrophotometer
- CHEMCAD software
- 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
- TOC analyzerContact angle meter

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
- 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.)
- Electronic Analytical Balance with density measurement kit
- High End Research Metallurgical Microscope
- Rotary Evaporator
- Precision Balance (Nos.2)
- Electrolytic Cells (No. 12)
- Compression Moulding Machine
- Bench type tensile testing machine
- Split type furnace
- 2 ton Hounsfield Tensometer
- Scanning Electron Microscope with EDS facility (TESCAN – VEGA 3LMU)
- Fluidized Bed Furnace
  Creep Testing
- Plus TIG Unit
- SHIMADZU Computer ControlledUniversal 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 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
- Jominey End Quench Testing Setup
- Research Metallurgical Microscopes (5 Nos.)
- Resonance Frequency Damping Analyzer
- VARE STRAIN tester
- Muffle furnace
- Vibratory Polisher
- Hot Indentation Creep Tester
- Chiller for rotary evaporator

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
- pH meters
- Submarine gel electrophoresis unit
- 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
- Degasser HPLC
- Lab refrigerators

MATHEMATICS

Laboratories:

Computational Laboratorywith 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
- Stoke parameter Set up
- 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
- Spectroradiometer

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
- 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

- 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
- 400 MHz NMR Spectrometer
- Electrochemical workstation
- Vacuum pumps (2 Nos) worth about Rs. 2.2 lakhs
- Stopped Flow Kinetic Accessory
- Mettler M 5 & M3 Microbalances
  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
- Gas chromatography
- Ultrahigh water purification system
- Sybyl-X Molecular modeling software

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	New GraphicsLaboratory	HP Elite Desk	80	1st Year B.Tech 4th Year B.Tech
3	(GraphicsLaboratory) Language Lab	HCL InfoSystems Ltd	48	1st Year B.Tech
4	Computing	Dell IncOptiplex 760	38	IInd Year B.Tech
5	CAD -2	Dell precision390 &490	38	1st Year M.Sc Physics
6	CAD-1	HCL InfoSystem 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 LinuxOperating System	512 MB	1st Year B.Tech
2	HP Elite Desk Pentium(R) Core i7 CPU@3.40 GHZ 1 TB HDD	80	Window 8	8GB	I 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	C++ (Linux OS)	Windows XP Linux Operating System	45	C++ (Linux OS)	Yes McAfee

2	AutoCAD 2010 MATLAB 2010 Creo 5.0 & ProE 4.0 MS Office 2010	Windows 8	80	AutoCAd 2010 MATLAB 2010 Creo 5.0 & ProE 4.0 MS Office 2010	Yes McAfee
3	Soft Skills & Communication Skills	Windows XP	48	Soft Skills & Communication Skills	McAfee
4	AutoCAd 2010 MATLAB 2009 ANSYS 11 Creo 5.0 & ProE 4.0 Visual Basic 2006 Turbo C MS Office 2003	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	Turbo C MS-Office 2003 MAT LAB	Window XP & Ubuntu 14.04	38	Turbo C MS-Office 2003 MAT LAB	Yes McAfee
6	AutoCAd 2010 MATLAB 2009 ANSYS 11 Creo 5.0 & ProE 4.0 Visual Basic 2006 Turbo C MS Office 2003	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	Dr. Rashmi Ranjan Rout Mrs. Kadambari USN Raju Sri Govinda Rao
2	B.Tech. IV A B.Tech. IV B	10	Yes	Dr. G. Raghavendra Dr. V. Hari Kumar
	1st Year B.Tech.	6	Yes	Prof. N. Selva Raj Prof. A. Venu Gopal Dr. Syed Ismail Dr. VRK Raju

3	1st Year B,Tech	12	Yes	Mrs. Madhavi Reddy Sri Vishwanathan
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

3. ANY OTHER IMPORTANT ACTIVITY

1. Entire Institute Result processing software (for all UG/PG courses) is developed by Computer Center and also supporting academic branch in maintaining the database since NIT formation with new grading pattern.
2. 20th May 2016 to 25th May 2016 : Conducted workshop on Information and Communication Technology (MS-OFFICE tools & Internet) for Teachers,
3. Online exams for Campus Placement on a regular basis.
4. Supporting the Departments for conducting short term training programs and GIAN programs based on their need.

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 1,90,631 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. 10.00 crores.

ADDITIONS TO THE LIBRARY DURING THE YEAR 2015-16:

During the year 10,601 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 01.04.2015 to 31.03.2016	Rs. 94,46,673=00
Expenditure on Journals from 01.04.2015 to 31.03.2016	Rs. 8,49,838=00
Online E-Journals for the year 2016	Rs. 29,48,482=00
Book Bank for Needy Students total investment up to 31.03.2016	Rs. 7,22,148=00
Book Bank for SC/ST student's total investment up to 31.03.2016	Rs. 22,10,121=00
Book Bank for BCWD students up to 31.03.2016	Rs. 3,15,273=00
Book Bank for SC students up to 31.03.2016	Rs. 2,81,499=00
Book Bank for ST students upto 31.03.2016	Rs. 3,35,641=00
Expenditure of IT infrastructure, furniture and equipment	Rs. 14,80,162=00
Expenditure on Others	Rs. 2,79,842=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.

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 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 2015-2016

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 organized intramural competition branch wise in all the disciplines to give an opportunity to involve more number of student community. The department will provide an opportunity to talented sportsmen and women to participate in extramural competitions like, Inter NIT sports meet and Inter University sports competitions regularly. The Department organizes Inter NIT tournaments and other invitation tournaments regularly. The Department conducts extra academic activity (EAA) programme as a mandate course for the first year students.

Inter University & Inter NIT Tournaments

Many of our Institute Teams participated in the Inter University, Inter NIT tournaments.

Inter University Tournaments Participation

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

- South Zone Inter University Kabbadi Tournament held at Kuvempu University Shimoga, Karnataka from 15-10-15 to 19-10-15.
- South Zone Inter University Volley Ball (Men) Tournament held at Andhra University Visakhapatnam from 24-10-15 to28-10-15.

- All India Inter University Ball Badminton Tournament held at MangaloreUniversity, Mangalore from 02.01.2016 to 06.01.2016.
- South Zone Inter University Cricket Tournament held at Saveetha University,Chennai from 20.01.2016 to 30.01.2016.
- South Zone Inter University Volley Ball (Women) Tournament held at Krishna University,Machilipatnam from 11.02.2016 to 15.02.2016.

Inter NIT Tournaments Participation

Institution Teams brought laurels to the Institution by winning the medals and prises following Inter NIT tournaments.

- Inter NIT Cricket tournament held at CALICUT from 26.03.16 to 29.03.2016 and lost in the Quarter Finals
- Inter NIT Badminton tournament held at SURAT from11.03.2016 to13.03.2016 and lost in the Quarter Finals
- Runner's Up Inter NIT Kabaddi (Men) Tournament held at NIT Rourkela from 12.2.2016 to 14.2.2016.
- Inter NIT Basket ball held at CALICUT from 26.03.2016 to 29.03.2016 both Men and women teams lost in the Quarter Finals
- Inter NIT Kho- Kho competition held at ROURKELA from 12.02.2016 to 14.02.2016 lost in the semi finals
- Inter NIT Tennis tournament held at SURAT from11.03.2016 to13.03.2016 and lost in the Quarter finals
- Won (10) medals in Inter NIT Best Physique, Weight Lifting and Power lifting held at MNIT Jaipur from 26.2.2016 to 28.2.2016.
- Won silver medal in men Javelin in Inter NIT Athletic meet held at MNIT Jaipur from 26.2.2016 to 28.2.2016.
- Inter NIT Volley Ball (Men & women) tournament held at NIT Surat from 11.3.2016 to 13.3.2016 and women team got the Gold medal.
- Won five medals in the Inter NIT Aquatics championship held at KNIT Surathkal from 18.3.2016 to 20.3.2016.

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.

- BALL BADMINTON Intramural was conducted on 10-11-2015
- KABBADI Intramural was conducted on 5-10-2015
- VOLLEY BALL Intramural was conducted on dated 07-10-2015
- CHESS Intramural was conducted on 14-10-2015 to17-10-2015.
- TENNIS Intra mural was conducted on 4-11-2015 to6-11-2015
- BADMINTON Intramural was conducted on 21.01.2016 to 23.01.2016.
- BASKET BALL Intramural was conducted on 28.01.2016 to 30.01.2016.
- ATHLETICS Intramural was conducted on 01.02.2016 to 04.02.2016

- FOOT BALL Intramural was conducted on 04.02.2016 to 06.02.2016.
- CRICKET Intramural was conducted on 08.02.2016 to 21.02.2016.
- POWER LIFTING,WEIGHT LIFTING & BEST PHYSIQUE Intramural was conducted on 08.02.2016 to 09.02.2016.
- AQUATICS Intramural was conducted on 09.03.2016 TO 10.03.2016.

Our Institute won the Extramural Competitions organised by other Agencies

- Runners Up in the EENADU Cricket Tournament held at Warangal from January 4th to 10th 2016.
- Winners KITS Foot Ball Trophy organized by KITS Warangal from 2.04.2016 to 3.04.2016.
- Winners KITS Basket Ball (Men) & Runners Up (Women) championships organized by KITS Warangal from 16.04.2016 to 17.04.2016.
- Winners in District Table Tennis Championship organized by Warangal District TT Association from 9-10th April 2016.

IMPORTANT EVENTS

- WORLD YOGA DAY celebrated on 21-6-2015 by organizing yoga asana demonstrations , one day work shop on Health and Wellness through Yoga been organized and New Yoga hall been inaugurated by the Director.
- On the eve of INDEPENDENCE DAY celebrations (15-8-2015) Yogasanas demonstrations and displays by the students been organized.
- Synthetic Basket ball court been inaugurated by the Director on 15.08.2016and Friendly Basket ball matches were conducted between DASA students and Indian Students.
- CRICKET selections was conducted on14-9-2015 to spot out the talent.
- TABLE TENNIS selections was conducted on 18-9-2015 to spot out the talent
- One more new Synthetic Basketball court work is under progress.
- New Cardio vascular Gym Equipments been added to modernise the Gymnasium and Inaugurated by beloved Director on23.02.2016.
- Games and Sports were organized for the first year students in connection with talent hunt during 08.10.15 to 11.10.2015.
- Fresher's Day celebrations held during 12.10.15 and distributed the prizes.
- Meditation Hall been inaugurated by our beloved Director on 18.11.2015.

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.V.Hari Kumar 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.T.Kurumayya
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.U.S.N. Raju
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	Under Renovation
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.U.S.N. Raju

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	2200 Members	Veg & Non Veg	Prof.Debashish Dutta Dr.Ch.Ram Reddy
2	I-Mess (Ganga)	400 Members	Non- Veg	Dr.G.Naga Srinivasulu
3	II-Mess (Godavari)	400 Members	Non- Veg	Dr.D.Ravi Prasad
4	III-Mess (Cauveri)	400 Members	Veg	Dr.Debashish Dutta
5	V-Mess (Narmada)	400 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.Urmila Saxena
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.D. Vakula

E.Special measures for Women protection and Women Empowerment

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

3. INTERNATIONAL HOSTELS

Sl.No	Fraternal Country	Number of Residents	Level		Name of the Warden
			UG	PG/PhD	
1.	Ethiopia	31	2	29	Dr.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

Other 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 forSeminars / 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)

10.2 ACHIEVEMENTS DURING THE CURRENT YEAR

CIVIL ENGINEERING DEPARTMENT:

1. PATENTS REGISTERED / WON

S. No.	Name of the Faculty	Patent's Registration No.	Status (Pending / Won)
1	Ajay Kumar Patel	Application No. 1697/CHE/2015	Pending

2. ACHIEVEMENTS / AWARDS / INNOVATIONS

S. No.	Name of the Faculty	Nature of the Achievement/ Award / Innovation
1	M. Heeralal	Best Paper Presented in International Conference on Chemical, Biological and Environment Sciences – 2015, Planetary Scientific Research Center, Dubai (UAE), September 13-14, 2015

3. EXTENTION / EXPERT / INVITED LECTURES DELIVERED ELSEWHERE

Sl. No.	Name of the Faculty	Lecture Title	Place	Dates
1	D. Ramaseshu	Confinement and ductile detailing of RC structures	Special lectures on Advances in Concrete Technology', at SGGS Institute of Engg. and Technology, Vishnupuri, Nanded	11-04-2015
2	D.Ramaseshu	Non Destructive Testing	Special lectures on Advances in Concrete Technology', at SGGS Institute of Engg. and Technology, Vishnupuri, Nanded	11-04-2015
3	D.Ramaseshu	Special purpose Concretes	Special lectures on Advances in Concrete Technology', at SGGS Institute of Engg and Technology, Vishnupuri, Nanded	12-04-2015
4	D.Ramaseshu	Learning from Failure of Structures	Expert lecture in the TEQIP short term course on Emerging frontiers in Civil Engg.	24-06-2015
5	D.Ramaseshu	NDT and Health monitoring	Expert lecture in the TEQIP short term course on ' Emerging frontiers in Civil Engg'	24-06-2015
6	D.Ramaseshu	Non Destructive Testing	Special lectures delivered at Vignan University, Guntur	25-07-2015
7	D.Ramaseshu	Structural steel-Use of Fe 500	Technical lecture – Engineers meet-organized by Tata Steel at Nizamabad	30-07-2015
8	K V Jayakumar	"Proud to be an Engineer" – Keynote address at the Engineers' Day Celebrations	Joshimath, Uttarakahand	15-09-2015
9	N V Umamahesh	Soft Computing Techniques Applications in Hydrology and Water Resources	RVR&JC College of Engineering, Guntur	26-09-2015
10	C.S.R.K. Prasad	Advances in Transportation Applications	Vijayawada (AP)	17-10-2015
11	K. Venkata Reddy	Watershed Analysis Using Geospatial Tools	Acharya Nagarjuna University, Guntur	22-10-2015 23-10-2015
12	Ms. Y Navatha	Remote Sensing and GIS	Acharya Nagarjuna University, Guntur	22-10-2015 23-10-2015
13	M Shashi	Close Range Photogrammetry	Acharya Nagarjuna University, Guntur	02.11.2015
14	P.Rathish Kumar	Mineral Admixtures for HPC	NCB Training Programme on High Performance Concrete and its Applications at NCB, Hyd.	17-11-2015 to 19-11-2015
15	P.Rathish Kumar	Use of HPC in marine and coastal environments	NCB Training Programme on High Performance Concrete and its Applications at NCB, Hyd.	17-11-2015 to 19-11-2015
16	E.Venkata Rathnam	Hydraulic Transient Analysis of Piping Systems in Power Plants	BHEL, Corporate R&D Office, Hyderabad	04-12-2015 05-12-2015
17	M Chandra Sekhar	Introduction, Planning & Investigation of Sewerage Systems	ESCI, Hyderabad	14-12-2015
18	N V Umamahesh	Sustainable Water Management under Changing Climate	Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad	28-12-2015
19	N V Umamahesh	Water Management under Changing Climate – Issues and Challenges	103rd Indian Science Congress, 2016, Mysore University, Mysuru	06-01-2016
20	M. Shashi	Advanced Surveying Techniques	KITS, Huzurabad	08-01-2016
21	M. Shashi	Principles of Total Station	KITS, Huzurabad	09-01-2016

22	P.Rathish Kumar	Quality Concrete: Key Parameters	NCB Training Programme on 'Concrete Mix Proportioning and Acceptance Criteria' at NCB Hyderabad	19-01-2016 to 21.01.2016
23	P.Rathish Kumar	Role of Third Party Quality Control agencies in improving quality of structures – A Case study	NCB Training Programme on 'Concrete Mix Proportioning and Acceptance Criteria' at NCB Hyderabad	19-01-2016 to 21.01.2016
24	C.S.R.K. Prasad	Smart Transportation for Smart Cities	VRSE College, Vijayawada,	27 February 2016
25	D.Ramaseshu	Structural Testing of Concrete Key note lecture	National Workshop on 'Advances in Civil Engg' , Department of Civil Engg, Chirala Engg College, Chirala	
26	K V Jayakumr	Theme Talk on "Water & Jobs	World Water Day State Level Celebrations of Institution of Engineers, Odisha State Centre, Bhubaneswar	20 March, 2016

4. CONFERENCES / SYMPOSIA SESSIONS CHAIRED

S. No.	Name of the Faculty	Event Title	Place	Dates
1	CSRK Prasad	2nd Conference on Transportation Systems Engineering and Management (CTSEM)	NIT Tiruchirapally	01 May 2015
2	KVR Ravi Shankar	3rd CTRG, International Conference	Kolkata	20 Dec 2015
3	Venkaiah Chowdary	Transportation Young Researchers Symposium	NIT Warangal	14 May 2015
4	Arpan Mehar	Transportation Young Researchers Symposium	NIT Warangal	12 May 2015
5	K.V.R Ravi Shankar	Transportation Young Researchers Symposium	NIT Warangal	12 May 2015
6	S. Shankar	Transportation Young Researchers Symposium	NIT Warangal	14 May 2015

5. INTERNATIONAL VISITS :

S. No.	Name of the Faculty	Countries Visited	Organizations Visited	Dates
1	M. Heeralal	UAE (Dubai)	Planetary Scientific Research Centre	13-09-15 – 14-09-15
2	D. Ravi Prasad	Hyderabad	International conference on IC-ISE organised by Osmania University, Hyderabad	14-16th December 2015

6. RESEARCH AND CONSULTANCY EXPERTISE

A. Research Areas Active in – Water Supply Networks, Surge analysis

Urban Water Management, Irrigation Management, Waste management, Computational Fluid Dynamics, Fiber Reinforcement Concrete, Ferro Cement, Fracture Mechanics Pre Stressed Concrete High Strength Concrete, High performance concrete, self compacting concrete, recycled aggregate concrete, structural analysis, structural health monitoring, nano materials, fracture mechanics.

Area Traffic Management Measures, Capacity Analysis of Highways, GIS for Transportation, Mass Transportation Planning, Mixed Traffic Flow Modelling, Pavement Material Characterization, Pavement Performance Evaluation, Pedestrian Behavioral Analysis, Transport Corridor Management, Road Safety, Urban Transportation Planning

B. Consultancy Capabilities in:

Urban Stormwater Management, Water Hammer Analysis, Design, soundness and stability of structures, rehabilitation of built structures, testing of engineering materials, NDT, Pavement Evaluation and Design, Pavement Material Testing, Traffic Signage and Marking Strategies, Traffic flow analysis, Traffic signal design, Traffic impact analysis

7. MEMBERSHIP in PROFESSIONAL and S&T BODIES

American Society of Civil Engineers
Fellow of Indian Association of Hydrologists
Member of Indian Water Resources Society
Associate Member of The Institution of Engineers (India), AM097598-5.
Life Member of Indian Geotechnical Society, New Delhi, LM 2470
Indian Society of Remote Sensing
Indian Society of Hydraulics
Indian Society of Geomatics
Indian Geotechnical Society
ISPRS Working Group V/2: Cultural Heritage Documentation
Indian Society of Technical Education
International Association of Engineers
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.

8. MEMBERSHIP in EDITORIAL BOARDS of RESEARCH JOURNALS

Reviewer, Journal of Materials in Civil Engineering, ASCE
Reviewer, International Journal of Remote Sensing and GIS
Reviewer, Journal of Cultural Heritage, Elsevier Pubs.
Reviewer, Journal of Hydrology
Reviewer, Journal of Water & Climate Change
Reviewer, ASCE Journal of Irrigation & Drainage Engineering
Reviewer, Water Resources Management Journal

Dr. P. Rathish Kumar (Editor - *Journals)*

- Journal of facta Universities
- Journal of cement wapno beton
- Open journal of civil engineeriing
- Journal of industrial engineering research
- International journal of renewable and sustainable energy

Dr. T.P. Tezeswi (Editor – *Journals)*

- Journal of Advances in Civil Engineering
- ASME-District -F Early Career Technical Journal, Associate Editor

9. ADMINISTRATIVE ROLES

A. DEPARTMENTAL

Sl. No.	Role	Faculty-in-charge	Term
1	Head, Water & Environment Division	N V Umamahesh	30/3/15 to till date
2	Laboratory I/c of Fluid Mechanics and Water Resources Laboratory	E. Venkata Rathnam	2001 to till date, performing the additional duty as Faculty I/c
3	Laboratory I/c of Environmental Engineering Laboratory	Ajey Kumar Patel	November, 2013 to till date
4	Co-Coordinator for M.Tech Environmental Engineering Program	P. Hari Prasad Reddy	July 2015 to till date
5	Faculty I/C Department web Page	P. Hari Prasad Reddy	September 2013 to till date
6	Faculty I/C Civil Engineering Association	P. Hari Krishna	
7	Final Year Projects	V. Ramana Murty	
8	Head GTE Division	M. Heeralal	
9	Faculty In-charge, Remote Sensing and GIS Laboratory	K. Venkata Reddy	
10	Co-Coordinator, Center for Advanced Geospatial Solutions	K. Venkata Reddy	
11	Course Co-Coordinator, M.Tech RS&GIS	K. Venkata Reddy	
12	Faculty In-charge, Surveying Laboratory	M. Shashi	
13	Coordinator, Seminars and Dissertations, M.Tech RS&GIS	M. Shashi	
14	Treasurer, CEA	Rakesh J. Pillai	
15	I/C Soil Mechanics Laboratory	G. Kalyan Kumar	
16	Head, Engineering Structures Division	T.D. Gunneswara Rao	Since 18.01.2016
17	Head, Structures Division	P. Rathish Kumar	Nov 2014 to 17-01-2016
18	Faculty In charge for Structural Engineering laboratories	G. Rajesh Kumar	2 years
19	Co-coordinator for M. Tech. CTM Programme	MVN Siva Kumar	Dec 2013- Till date
20	In charge, CAAD Lab	K. Gopi Krishna	2 years
21	Head, Transportation Division	CSRK Prasad	2006 to till date
22	Faculty In-charge Computer laboratory of Transportation Division	KVR Ravi Shankar	July 2015
23	NBA Committee member	KVR Ravi Shankar	2014
24	Faculty I/c Library Committee	KVR Ravi Shankar	2013-present
25	Faculty I/c of Transportation Engineering Laboratory, CED	Venkaiah Chowdary	July 2012 onwards
26	Consultancy Works Co-ordinator of Transportation Division	Venkaiah Chowdary	August 2013 onwards

B. INSTITUTIONAL

Sl. No.	Role	Faculty-in-charge	Term
1	Dean, International Relations and Alumni Affairs	C.S.R.K. Prasad	05.09.2014 onwards
2	Coordinator, TEQIP-II	N V Umamahesh	1.7.2015 to till date
3	Registrar I/C	M Chandra Sekhar	30/3/15 to till date
4	Associate Dean (FW)	E. Venkata Rathnam	October 2014 to till date
5	Treasurer NIT staff club	P. Hari Prasad Reddy	March 2013 to till date
6	Faculty-in-charge Quiz Club	Ajey Kumar Patel	July, 2014 to till date
7	Faculty I/c International Students	P. Hari Prasad Reddy	February 2015 to till date
8	Faculty I/C, ICP-OES Spectrophotometer (CAI)	P. Hari Prasad Reddy	August 2015 to till date
9	NSS Co-Ordinator	P. Venkateswara Rao	Oct 2014 to Sep 2017
10	Faculty In-charge, EMU	M. Heeralal	
11	Associate Dean, Consultancy and Stores	P. Hari Krishna	
12	Warden,1.8 K Hostel	M. Shashi	
13	Internal Member, BOG	C.B .Kameswara Rao	
14	Associate Dean, Planning and Development	P. Rathish Kumar	
15	II Mess Warden	D. Ravi Prasad	2 years
16	Warden 1.8K	MVN Siva Kumar	2 years
17	Faculty in-charge Institute Fire Fighting System Management	T.P. Tezeswi	2 years
18	Warden	S. Shankar	July 2014

C. DEPUTATIONAL / MINISTERIAL

Sl. No.	Role	Faculty-in-charge	Term
1	Head, Engineering Science, NIT Andhra Pradesh	T.D. Gunneswara Rao	6 Months

10. ANY OTHER SIGNIFICANT INFORMATION:

Prof K V Jayakumar is a Member of many National Level Scientific and Academic Bodies.

- Expert Member, Technical Advisory Committee (TAC) of National Institute of Hydrology, the apex institute of the Ministry of Water Resources, River Development and Ganga Rejuvenation July 2015 -)
- Expert Member , Andhra Pradesh Capital Regional Development Agency (2016-)
- Indian National Committee on Groundwater (INCGW), Ministry of Water Resources, Government of India
- Expert Committee Member of Telangana Drinking Water Supply Project (July2015)
- Chairman, Post Graduate Cluster Board, APJ Abdul Kalam Kerala Technological University
- Consultative Committee Member of Kerala State Pollution Control Board
- Honorary Member, Wetlands International South Asia

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
5. Paper titled **'Modelling Dissolved Pollutants in Krishna River Using Adaptive Neuro Fuzzy Inference Systems'** (published in the Series 'A' Journal of IEI, Vol. 95, Issue 1) has been selected for the subject prize, UNDER Union Ministry of Water Resources - Department of Irrigation Prize AND THE AWARD WAS GIVEN BY Institution of Engineers, the award was given at the Prize Distribution Ceremony of the 30th Indian Engineering Congress to be held at Pragjyoti-ITA Centre for Performing Arts, Machkhowa, Guwahati 781009

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
5	Prof. Maheswarapu Sydulu	Best Engineering Faculty Award, 05th September 2015.
6	Dr. Sachin Jain	Student under my supervision won in First Prize winner in ELECRAMA-2016 for the project work.
7	Dr. Sachin Jain	Successfully BASE fellowship completed
8	Narasimharaju B. L	Senior Member, IEEE (Electronics, Power Electronics Society, Industrial Electronics Society) (IEEE Senior Membership is an honor bestowed to those who have made significant contributions to the profession).
9	Narasimharaju *B. L*, Goutham Bharma, Ramanjaneya Reddy U, Vijay Babu K	Best Paper award, IEEE India Conf. INDICON-2015, for paper titled "Modeling and Analysis of Voltage Controlled Positive Output Synchronous buck-boost converter" , JMI, Delhi, India, pp. 1 -5, 17 -20 December 2015
10	Dr. P. Chandrasekhar	1. **Early Career Research Award (Young Scientist),** Department of Science and Technology (**DST**), Ministry of Science and Technology, Government of India, 2016 2. **Innovative Student Project Award** under **Doctoral Category** by Indian National Academy of Engineering (**INAE**) for the year 2015

2. EXTENTION / EXPERT / INVITED LECTURES DELIVERED ELSEWHERE

Sl. No.	Name of the Faculty	Lecture Title	Place	Dates
1	Prof. Maheswarapu Sydulu	Chief Guest for a continuing education program on " Contemporary Applications of Control Engineering (APPCON 2015)", 25-29th April 2015	EED, AU, Vizag	07.05.2015
2	Prof. Maheswarapu Sydulu	Chief Guest for A three day workshop on " Application of Simulation Tools on Morden Power System", Under TEQIP-II, 7 to 9th May 2015	EED, OU, Hyderabad	07.05,2015
3	Prof. Maheswarapu Sydulu	Special Talk on Recent Advances in Power Systems", A Two Day workshop	EED, Acharya Nagarjuna University, Guntur	18.12.2015
4	Prof. Maheswarapu Sydulu	To deliver keynote address at National level conference on " Emerging Trends in Renewable Energy Sources and their Applications (NCRE-2k16)	EED, Chadalawada Ramanamma Engineering College, Tirupathi	18.03.2016
5	Dr. N. Vishwanathan	1) Current Mode Control of power Converters 2) Resonant Converters	St. Martin's College of Engg., Hyderabad KLU, Vijayawada	29.09.15 09.03.16
6	V.T. Somasekhar	SVPWM and Elimination of Zero-Sequence currents in Open-end winding Induction Motor Drives	CVR College of Engineering, Ibrahim Patnam, RR District	13th February 2016
7	V.T. Somasekhar	Multilevel Inverters	Avanti Engg. College, Guntha pally, Hayat Nagar, Hyderabad	4th April 2016
8	Dr. Sachin Jain	PWM technique for PV Inverters	Bhimavaram	17th Dec 2015
9	Dr. Sachin Jain	PV Inverters	NIT- Rourkela	22-23rd Fed 2016
10	Dr. Sachin Jain	MPPT algorithms for PV systems	VNIT-Nagpur	6-7March 2016
11	Narasimharaju B. L	Switched Reluctance Machine and its Application	Two-day national workshop on Recent Advances in Power and Industrial Drives (RAPID - 2015) during 13th - 14th, March 2015. Department of EEE, UCEK, JNTUK, Kakinada	13th-14th,March 2015.

12	Narasimharaju B. L	i. Resonant converters & Applications ii. Non-linear loads and their issues	VTU-VGST Faculty development Program on "Advances in Power Electronics and Drives"conducted at University BDT College of Engineering, Davanagere, Karnataka on 5th-8th June 2015.	5th -8th June 2015
13	Dr. G Siva Kumar	Power Quality Improvement in DG System	Bonam Venkata Chalamayya Engineering college, Odalarevu, Amalapuram, East Godavari	19thDecember, 2015
14	Dr. G Siva Kumar	Power Quality	VNR Vignana Jyothi Institute of Engineering and Technology, Hyderbad	20th May, 2016
15	Dr. D Sreenivasarao	Thrust Areas for research in power sector: Scope & Challenges	GMR Institute of Technology, Rajam	22-23 Jan 2016
16	Dr. D Sreenivasarao	Power Quality in Distribution System	NIT Kurukshetra	03-Mar-2016
17	Dr. P. Chandrasekhar	1. Applications of Fuzzy Logic in Process Control	Department of Chemical Engineering NIT Warangal	10th March, 2016
		2. Control of PV Generation Systems – Role of Power Electronics	University College of Engineering (Autonomous), Jawaharlal Nehru Technological	30-01-2016
		3. Smart Electric Grid – An Overview	University Kakinada	09-12-2015
		4. Maximum Power Point Tracking in Photovoltaic Generation Systems	Faculty Development Program at Vardhman College of Engineering (Autonomous)	22nd August, 2015
		5. Challenges in Grid Integration of Renewable Energy Systems and Control of PV systems	Department of Electrical Engineering, Indian Institute of Technology Delhi	1st to 3rd July, 2015
		6. Delivered Expert Lectures at "Applications of Fuzzy Logic and Their Implementation using MATLAB"	Department of Electrical and Electronics Engineering, Rajiv Gandhi Institute of Technology, Government Engineering College, Kottayam, Kerala Central University of Karnataka, Kalaburagi (Gulbarga), Karnataka	08th May, 2015

3. CONFERENCES / SYMPOSIA SESSIONS CHAIRED

S. No.	Name of the Faculty	Event Title	Place	Dates
1	Sachin Jain	NPEC 2015	IIT-Bombay	22.12.2015

4. INTERNATIONAL VISITS

S. No.	Name of the Faculty	Countries Visited	Organisations Visited	Dates
1	D.V.S.S. Siva Sarma	Macao	TENCON IEEE Region 10 Conference at Macao	
2	Nagu Bhookya	Cambridge [U K]	WSEASCambridge[U K]	Feb: 23-25 2011
3	Nagu Bhookya	Swinburne University Melbourne, Australia	ICMIC 2014OrganizingCommittee	December: 03-05-2014
4	Sachin Jain	USA	Virginia Polytechnic Institute and State University,Department of Electrical and Computer Engineering	06-10-2014 to 24-03-2015

5.RESERESEARCH 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	Power electronics applied to renewable energy and induction heating
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 drives
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	Dr. S.Srinivasa Rao	• Indian Society for Technical Education(ISTE) Life Member LM 20270 Systems Society of India (SSI) Life MemberLM 20006 • Institution of Engineers (India) Life Member M129215-8 • IEEE Member (USA) Member 91175000 • Society of Power Engineers (India) Life Fellow LF/5320 • Instrument Society of India Life Member LM 2103
4	Ch. Venkaiah	Member, The Institution of Engineers (India), Kolkata Life Member, Indian Science Congress Association(ISCA), Kolkata Life Member, Indian Society for Technology Education(ISTE), New Delhi Life Member, Systems Society of India, Thiruvananthapuram, India Renewed the Senior Membership of the Institute of Electrical & Electronics Engineers Inc. (IEEE), New Jersey, USA for the year 2015 Renewed the Membership of IEEE Power and Energy Society, New Jersey, USA for 2015 Renewed the Membership of IEEE Technology and Engineering Management Society for 2015 Renewed the Membership of IEEE Computational Intelligence Society for 2015 Renewed the Membership of The Committee for International Conference on Large High Voltage Electric Systems (CIGRE) India for 2015 Member, Automatic Control and Dynamic Optimization Society (ACDOS), Bangalore, INDIA
5	Sri CH.RAMULU	• Member, Indian Society for Technical Education*(LM 65108)* • IEEE Member # 92940116
6	Dr P. Suresh Babu	• Member IEEE- 93342846 • Member in Institution of Engineers India AMIE-AM095158-5 • Member in Indian Society for Technical Education MISTE - LM 70457 • Member in International Association of Engineers MIAENG - 101368 • Member in International Association of Computer Science and Information Technology MIACSIT – 80337542
7	Udaya Bhasker Manthati	• IEEE Member # 92452634

8	Dr. Narasimharaju B L	• Senior Member, IEEE (Electronics, *Power Electronics Society, Industrial Electronics Society)* • Life Member, Indian Society for Technical Education (ISTE) • Life Member, System Society of India (SSI)
9	Dr. A.Kirubakaran	• IEEE Member • Life member in *The Indian Society for Technical Education*(ISTE) • Life member in *System Society of India*(SSI
10	Dr. P. CHANDRASEKHAR	• Member, IEEE (Power & Energy Society, Communications Society and Control Systems Society) • Member, IEEE Young Professionals • Member, IEEE Smart Grid Community • Member, IEEE Smart Cities Community
11	Dr. A.V.Giridhar	• IEEE - member

7. MEMBERSHIP in EDITORIAL BOARDS of RESEARCH JOURNALS

S. No.	Name of the Faculty	Name of Journal
1	Dr P. Suresh Babu	• International Journal of Electronic Networks, Devices and Fields ISSN 0974-2182 • http://www.ripublication.com/irph/call_for_papers/ijendf.pdf • International Journal of Innovative Technology and Exploring Engineering(TM) ISSN: • 2278 – 3075 http://ijitee.org/editor.php • International Journal of Recent Technology and Engineering(TM) ISSN: 2277 - 3878 • http://www.ijrte.org/editor.php • World Academy of Science, Engineering and Technology http://www.waset.org/search.php
2	Udaya Bhasker Manthati	• Reviewer for Inderscience international journal • Reviewer for Research Scheme on Power funded by CPRI-Bangalore. • Book chapter reviewer on power electronics text book for TMH
3	Dr. Narasimharaju B L	• Technical Reviewer of IEEE Trans. Industrial Electronics, IEEE Trans. Power Electronics, IET Power Electronics, other international peer reviewed Journals and Several IEEE international & National conferences.
4	Dr. P. CHANDRASEKHAR	• IEEE Transactions on Smart Grid • IEEE Transactions on Industrial Informatics • IEEE Transactions on Industrial Applications • IEEE Journal of Photovoltaics • IET Proceedings on Generation, Transmission and Distribution • IET Proceedings on Renewable Power Generation • IEEE Industry Applications Magazine • Springer Journals-Journal of The Institution of Engineers (India): Series B • Taylor and Francis-Electric Power Components and Systems • Springer Journals-Sadhana-Academy Proceedings in Engineering Science IEEE Power and Energy Society's General Meetings 2015, 2016

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

Sl. No.	Name	Designation	Additional Duty	Duration	
				From	To
1	Prof. M. Sydulu	Professor	Dean faculty Welfare	01-07-2014	19-04-2016
2	Dr. N.Vishwanathan	Professor	Head of the Department	19.11.2014	Till now
3	Ch Venkaiah	Associate Professor	Faculty AdvisorInnovation & Entrepreneurship Club	01.04.2015	30.06.2015
4	Ch Venkaiah	Associate Professor	Faculty Mentor, TEP-ISB Hyderabad at NIT Warangal	01.04.2015	31.03.2016 and continuing
5	Ch Venkaiah	Associate Professor	Member (EL) IEI Warangal Local Centre	01.04.2015	31.03.2016 and continuing
6	Ch Venkaiah	Associate Professor	Faculty Advisor Electrical Engineering Association	01.04.2015	31.03.2016 and relieved on 29.04.2016
7	Ch Venkaiah	Associate Professor	Head of Power Systems Engineering (PSE) Section	01.04.2015	31.03.2016 and continuing
8	Ch Venkaiah	Associate Professor	Associate Dean (Academic Audit)	22.06.2015	31.03.2016 and continuing
9	Ch Venkaiah	Associate Professor	Member WSDC Coordination Team	01.04.2015	31.03.2016 and continuing

10	Ch Venkaiah	Associate Professor	Branch Counselor IEEE Student Branch NIT Warangal	01.04.2015	31.03.2016 and continuing
11	Ch Venkaiah	Associate Professor	Faculty Advisor Innovation & Entrepreneurship Club	01.04.2015	30.06.2015
12	Nagu Bhookya	Asst. professor	Warden:1K-Hall NIT-Warangal	July:2012	January: 2015
13	Chandrasekhar Yammani	Assistant Professor	Timetable In-charge for EED	2014	Till date
14	Udaya Bhasker M	Assistant Professor	EEA-Treasurer	2014	Till date
15	Sachin Jain	Asst Professor	EEA Faculty In-Charge and Member Technozium201516	2015	2016
16	Dr. G Siva Kumar	Assistant Professor	Faculty Advisor for III B.Tech - Electrical engineering	01.04.2015	31.03.2016
17	Dr. P. Chandrasekhar	Asst. Prof	Faculty Coordinator, Ph.D. Member of UG and PG Syllabus Revision Committee	2015 2015	2016 2016
18	N.Subramanyam	Nodal officer Solar rooftop project of the institute		November 2015	present
19	N.Subramanyam	Member-Institute master Plan and Space Recognization committees		May 2014	present

9. ADMINISTRATIVE ROLES

A. DEPARTMENTAL

Sl. No.	Name of the Faculty	Role	Faculty-in-charge	Term
1	N. Viswanathan	All the duties associated with HOD		Two Years
2	Dr. Bhagwan K. Murthy	Recommending books for central library		2 years
3	Dr. S.Porpandiselvi	Member, DAC UG		2015-1016
4	Dr. P. Srinivasan	Faculty Advisor	IV – B.Tech – EEE	2015-2016
5	Sri CH.Ramulu	Faculty In-charge for	DAC-UG- Member	July 2014 to June 2015
6	Dr P. Suresh Babu	Faculty In-charge	Department Computer Lab	September 2013 to till date
7	Dr. Udaya Bhasker M	Member, seminar for B.Tech. (IV/IV), sem-I	Udaya Bhasker M	2014-15
8	Dr. Narasimharaju B L	Department Coordinator,	Training & Placements	July 2014 to Till Date
9	Dr. Narasimharaju B L	Faculty In-charge for Lab Development & Maintenance	Control System Lab", EED	June 2012 to Till date
10	Dr. Narasimharaju B L	Faculty Advisor & Registrations	IV B.TECH (EEE),	July 2014 to June 2015
11	Dr. Narasimharaju B L	*Faculty In-charge for* Lab Development & Maintenance	*Power Electronics & Drives Lab, EED*	*September 2014 to March 2015*
12	Dr. Narasimharaju B L	Member	IV BTech (EEE) Project Work Evaluation Committee	July 2014 to May 2015 (AY:2014-15)
13	Dr. A.Kirubakaran	Electrical Machines Lab	Dr. A. Kirubakaran	Oct' 2013 to till date
14	Dr. D Sreenivasarao	Faculty-in-charge of registration for 2nd B.Tech		Dec 2013 to till date
15	Dr. A.V.Giridhar	Faculty-in-charge	POWER SYSTEMS LAB	28/8/2014 onwards
16	Dr. N.V. Srikant	Chairmaen for M.Tech (PSE) Dissertations	PG Dissertations for Power Systems	2 years

B. INSTITUTIONAL

Sl. No.	Name of the Faculty	Role	Faculty-in-charge	Term
1	Sri CH.RAMULU	Member,	Center of Automation and Instrumentation (CAI)	November 2015 to Till date
2	Dr P. Suresh Babu	Faculty Adviser, Project Engineering Unit , NIT Warangal	Electrical Section	Dec 2013 to till date
3	Udaya Bhasker M	Instructor for GATE classes (Signals & Systems)	Dr. K Anand Kishore	Nov,15-Feb,16
4	Dr. Narasimharaju B L	Member,	Center of Excellence in "Sustainable Energy Studies, TEQIP-II	November 2014 to Till date
5	Dr. Narasimharaju B L	Member	Grid Connected Solar PV Rooftop Project at NITW, MNRE-SPIN Under JNNSM,	November 2015 to Till Date
6	Dr. A.V.Giridhar	Faculty Coordinator	T & P Section	17/12/2012 onwards

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. • BOS meeting of PVP Sidharth Institute of Technology, Vijayawada, on 10.04 2015. • BOS meeting of CBIT, Hyderabad, on 29.04 2015 • Official visit to NIT AP for space requirement at Sir CRR College of Engineering, Elure on 01.05. 2015. • To visit AL-Falah University, Faridabad as Expert AICTE Committee member from 28.05.2015 to 31.05.15 • BOS meeting of KITS-warangal on 20.06 2015 • BOS meeting of Jayamukhi Institute of Technological Sciences, Narasampet, Warangal, 02.12.15. • Subject Expert selections of SR Engineering College, Warangal, on 09.12.15 • Subject expert selections of KITS-warangal on 01.03 2016
2	V.T.Somsekhar	• Reviewer of IEEE Transactions on Industrial Electronics, • Reviewer of IEEE Transactions on Power Electronics, • IET Proceedings on Power Electronics
3	Udaya Bhasker M	Visited RCI-Hyderabad to discuss a project proposal on 14th August 2015.

ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT:

1. EXTENTION/EXPERT/INVITED LECTURES DELIVERED ELSEWHERE

S.No	Name of the Faculty	Lecture Title	Place	Dates
1.	Dr. J. Ravi kumar	Kalman filter	Hyderabad, TS	23rd January, 2016
2.	Dr. T. Kishore Kumar	Advanced Embedded and Signal Processing	Pune	16th January, 2015
3.	Sri. K.V. Sridhar	Microcontrollers, Microprocessors and DSPs and their applications	RCI, Hyderabad	14th October, 2015
4.	Dr. J. Ravi Kumar	AVR Microcontrollers and their applications	Hyderabad	28th February, 2015
5.	Dr. J. Ravi Kumar	Fundamentals of digital and Wireless Communications	Hyderabad	1st August, 2015
6.	Dr. J. Ravi Kumar	Digital Design	Warangal	19th September, 2015
7.	Prof. N.V.S.N Sarma	Advancement in Mobile Communications	Guntur	25th February, 2015
8.	Prof. N.V.S.N Sarma	Faculty Development Programme	Tadepalligudem, AP	14th, 15th& 23rd December, 2015
9.	Dr. L. Anjaneyulu	Faculty Development Programme	Tadepalligudem, AP	18th, 19th December, 2015
10.	Dr. D. Vakula	Faculty Development Programme	Tadepalligudem, AP	16th, 17th December, 2015

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

S.NO	External organisation	MoU signed on	Remarks
1.	Texas Instruments		

3. RESEARCH AND CONSULTANCY EXPERTISE

A. Research Areas Active in

- Antennas, Wireless Sensor Network
- Image Processing, Communication systems
- ADSP, Architectures and Algorithms DSP
- Wire/Wireless Communication, WSN/IOT
- Digital system design, Embedded system Design, VLSI Architecture
- On-Chip Inductors for RF circuits
- Speech Signal Processing
- Radar Signal Processing Computer Networks, GPS System
- Biomedical Signal Processing
- Communication Systems, Smart Antennas
- Embedded Systems, FPGA based Digital Systems
- Biomedical Signal Processing
- Artificial Neural Networks
- FPGA Implementations of SP Algorithms
- Signal Processing, Control System design

4. MEMBERSHIP in EDITORIAL BOARDS of RESEARCH JOURNALS

SNO	NAME	Journal	Publisher
1.	Dr. Ravi Kumar Jatoth	International Journal of Image, Graphics and Signal Processing	MECS, Hong Kong
2.	Dr. Ravi Kumar Jatoth	Journal of VLSI Design Tools & Technology	STM, India

5. ADMINISTRATIVE ROLES

A. DEPARTMENTAL

S.NO	Role	Faculty-in charge	Term
1	B.Tech IVth year Coordinator	Dr. D Vakula	2015-16
2	B.Tech IIIrd year Coordinator	Sri A Prakasarao	2015-16
3	B.Tech IInd year Coordinator	Sri P Harikrishna Prasad	2015-16
5	M.Tech ACS Coordinator	Sri MV Ragunadh	2015-16
6	M.Tech EI Coordinator	Sri P Muralidhar	2015-16
7	M.Tech VLSI Coordinator	Dr.P Srihari Rao	2015-16

B. INSTITUTIONAL

S.NO	Role	Faculty-in charge	Term
1.	Dean Academics	Prof. N.V.S..N Sarma	Feb-216 to till date
2.	Institute LAN In charge	Dr. L. Anjaneyulu	
3.	Chief Investigator E&ICT academy	Dr. Prof NVSN Sarma	
4.	Coordinator Audio visual Sections	Sri Muralidhar	
5.	Dy Chief Warden (LH)	Dr.Vakula	
6.	Associate Dean Student welfare	Dr. B. Laxmi	

DEPARTMENT OF METALLURGICAL MATERIALS ENGINEERING

1. ACHIEVEMENTS / AWARDS / INNOVATIONS

S. No.	Name of the Faculty	Nature of the Achievement/ Award / Innovation
1	N. Narasaiah	**Best poster award** National conference on advances in materials processing and characterization, 4-6 January 2016, National Institute of Technology, Warangal, India
2	Brahma Raju Golla	INAE fellowship for the year 2015-2016

2. EXTENTION / EXPERT / INVITED LECTURES DELIVERED ELSEWHERE

S. No.	Name of the Faculty	Lecture Title	Place	Dates
1	Brahma Raju Golla	Densification-Structure-Property Correlation of TiB_2-Silicide Composites	One Day Workshop on Ultra High Temperature Ceramics, Materials Research Centre, IISc Bangalore	14th December 2015

3. CONFERENCES / SYMPOSIA SESSIONS CHAIRED

S. No.	Name of the Faculty	Event Title	Place	Dates
1	Prof. G. V. S. Nageswara Rao	International conference on computational heat and mass transfer (ICCHMT-2015)	NIT Warangal	30 Nov - 2 Dec., 2015

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

S. No.	External Organisation	MoU Signed on	Remarks
1	MINT Hyderabad	10-08-2015	

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. P.Surya Prakash Rao: Life member of SFA
(2) Dr. M.K. Mohan: Life Member (IIM), SFA
(3) Dr.G.V.S. Nageswara Rao: Life member of IIM, PMAI, ISTE, MRSI, EMSI, IIW and SFA

(4) Sri. P.Ravindar: Life Member (IIM), SFA
(5) Dr. N. Narasaiah: Life Member (IIM), SFA
(6) Dr. C.Vanitha: Life Member (IIM), Life Member (MRSI), Life Member (PMAI), SFA
(7) Dr. Asit Kumar Khanra: Life member of SFA
(8) Mr.V. Rangadhara Chary: Life member of SFA
(9) Dr. Ajoy Kumar Pandey: Life member of SFA
(10) Dr. Brahma Raju Golla: Life member of SFA
(11) 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.ijprc.com).
4. Journal of Metallurgical Engineering (www.me-journal.org).

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

S. No.	Name	Designation	Additional Duty	Duration	
				From	To
1	Dr.M.K. Mohan	Professor	Professor in-charge, Centre for Advanced Materials	06-12-2010	Till date
2	Dr.G.V.S. Nageswara Rao	Professor	Dean, Research and Consultancy	01.07.2014	Till date
3	Dr. N.Narasaiah	Assoc. Professor	Head of the Department	18.03.2013	Till date
4	Warden	Dr. Bonta Srinivasa Rao	1.8K, A- Block, ground to 2nd floor	01.01.2015	Till date

9. **ADMINISTRATIVE ROLES**

A. DEPARTMENTAL

S. No.	Role	Faculty-in charge	Term
1	Member DPC, Member DAC-UG, Member DAC-PG	Dr.M.K. Mohan	Since 2012
2	Member DPC, Member DAC-UG, Member DAC-PG	Dr. P.Surya Prakash Rao	Since 2012
3	Coordinator for FIST, Supported by DST, Member DAC-UG, Member DAC-PG	Dr. G. V. S. Nageswara Rao	5 years - January 2010 onwards
5	Member DPC, Member DAC-UG, Member DAC-PG	Sri. P.Ravindar	Since 2012
6	Head of the Department Member DAC-UG, Member DAC-PG	Dr. N.Narasaiah	Since 18.03.2013
7	Department library advisory committee member,	Dr. C. Vanitha	Since 2008
8	SEM In-Charge, TEQIP Coordinator,	Dr. Asit Kumar Khanra	Since 2008
9	Class advisor for M.Tech, DAC-PG Member, Department PG training and placement representative	Dr. Ajoy Kumar Pandey	Since 2014
10	Class advisor for B.Tech II year, Department UG training and placement representative, Adhoc Faculty Recruitment Coordinator, Annual Report Coordinator, DAC-UG Member, Depatment Time table Incharge	Dr. Brahma Raju Golla	Since 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 2014
12	Class advisor for B.Tech III year, DAC-UG Member, Departmental Website incharge, Mechanical Metallurgy lab incharge	Dr. Bonta Srinivasa Rao	Since 2014

B. INSTITUTIONAL

S. No.	Role	Faculty-in charge	Term
1	Professor In-charge, Centre for Advanced Materials	Dr.M.K. Mohan	From 06-12-2010onwards
2	Dean, Research & Consultancy	Dr.G.V.S. Nageswara Rao	1st July, 2014 onwards
3	Head of the Department	Dr. N.Narasaiah	Since 18.03.2013
4	Warden	Dr. Bonta Srinivasa Rao	01.01.2015 to till date

10. ANY OTHER SIGNIFICANT INFORMATION

Prof P. Surya Prakash Rao: Superannuated on 31.12.2015

Prof G.V.S. Nageswara Rao:

- Member, Board of Studies (BOS) in Metallurgy and Materials Technology, JNTUH,
- Selection Committee Member – State Level Committee meeting for selection of Best Teacher Awards-2015 in Technical Education, Telangana State,
- Subject expert on the selection committee for faculty at JNTU, Hyderabad,
- Ph. D. thesis evaluator and External examiner for Ph.D. Viva-voce of JNTUH

CHEMICAL ENGINEERING DEPARTMENT:

1. PATENTS REGISTERED / WON

S. No.	Name of the Faculty	Patent's Registration No.	Status (Pending / Won)
1	ShirishSonawane Bharat Bhanvase and Y. Pydi Setty, S. Srinath	Systems for preparation of nano organic pigment dispersions using cavitation reactors 233/MUM/2013 published online March 2013	Pending
2	G. Srinivas, Y. Pydi Setty, T. Sunil Kumar	Continuous Countercurrnt multistage Wall Heated Fluidized Bed Dryer", Patent Number: 3338/CHE/2014A, Publication Date: 18th July 2014,	Pending
3	S. H. Sonawane, AbhijeetKulkarni and R SatishBabu	Application No.: 635/CHE/2015,	Pending
4	S. H. Sonawane, Prashant L. Suryawanshi and P. Rajesh Kumar	Application No.: 5619/CHE/2015 A	Pending
5	S. H. Sonawane, ShabanaShaik and S. Srinath	Application No.: 6001/CHE/2015 A	Pending

2. ACHIEVEMENTS / AWARDS / INNOVATIONS

S. No.	Name of the Faculty	Nature of the Achievement/ Award / Innovation
1	Prof. Y. Pydi Setty	Outstanding faculty award given by Venus International Foundation, Chennai.
2	Dr. K. Anand Kishore	Best Teacher Award - 2015 by Rotary club, Hanmakonda.
3	Dr. K. Anand Kishore	Outstanding Scientist Award in Engineering - 2015 by Venus International Foundation Chennai

3. EXTENTION / EXPERT / INVITED LECTURES DELIVERED ELSEWHERE

S. No.	Name of the Faculty	Lecture Title	Place	Dates
1	Y. Pydi Setty	Problem Specification in Separation Processes	Dept. of Chemical Engineering, Work Shop on Advanced Separation Processes	February 5-7, 2016
2	S.H Sonawane	Energy for Tomorrow", Functional Nanomaterials for Solar Cells	Pune	13 March 2015,
3	S.H SONAWANE	Key note address on nanotechnology and applications for engineers	Nova Engineering College, Vijayawada, AP	6 March 2015
4	T. Sunil Kumar	Simulation of moving boundary problems with COMSOL multiphysics and MATLAB live link	Hyderabad, COMSOL DAY	May 20, 2016

4. CONFERENCES / SYMPOSIA SESSIONS CHAIRED

S. No.	Name of the Faculty	Event Title	Place	Dates
1	Prof. Y. Pydi Setty	International conference on Computational Heat and Mass transfer (ICCHMT)	Dept. of Mathematics, NIT Warangal during Nov 30-Dec 2, 2015.	December 2, 2015
2	Dr S Srinath	International conference on Computational Heat and Mass transfer (ICCHMT)	Dept. of Mathematics, NIT Warangal during Nov 30-Dec 2, 2015.	December 2, 2015
3	Dr. K. Anand Kishore	6th International Conference on Chemical, Biological and Environmental Sciences (ICCEBSâ??2015),	Dubai, United Arab Emirates (UAE).	September 13-14, 2015

5. INTERNATIONAL VISITS

S. No.	Name of the Faculty	Countries Visited	Organisations Visited	Dates
1	S.H Sonawane	Portugal	Institutosperiortechnico, Lisbon	June-2015-July 2015
2	S.H Sonawane	Canada	Canadian Chemical Engineering Conference (CSChE2015), held at Telus Convention Centre, Calgary, Alberta, Canada	OCTOBER 4TH – 7TH 2015.

6. RESEARCH AND CONSULTANCY EXPERTISE

A. Research Areas Active in

- Fluidized bed drying, Biological waste water using fluidized bed bioreactor and packed bed bioreactor, circulatinf fluidized bed, modelling, simulation and optimization of chemical engineering processes, microbial fuel cells, Hydrodynamics and RTD studies in a fluidized bed, Bioethanol production,catalysis

B. Consultancy Capabilities in

- Fluidization, Wastewater treatment, Bioethanol production, fluidized bed drying, microbial fuel cells, modeling and simulation
- Heat Transfer enhancement using nanofluids, spout-fluid beds, CFD
    - Nano Iron Oxide Pilot scale reactor
    - Devlopment of Antiscalent for the polymer membrane

7. MEMBERSHIP in PROFESSIONAL and S&T BODIES

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

Dr. P.V.Suresh

- Member, American Chemical Society (ACS).
- Member, American Institute of Chemical Engineers (AIChE).
- Life Member, Indian Institute of Chemical Engineers (IIChE).
- Life Member, Indian Society for Technical Education (ISTE)

Dr. G.UdayBhaskarBabu

- Life Member, Indian Institute of Chemical Engineers (IIChE).

Dr. V. Ramsagar

- Member, American Institute of Chemical Engineers (AIChE).
- Life Member, Indian Institute of Chemical Engineers (IIChE).

Dr. A. SarathBabu

- Member, American Institute of Chemical Engineers (AIChE).
- Life Member, Indian Institute of Chemical Engineers (IIChE).

Dr. A. SeshagiriRao

- Member, American Institute of Chemical Engineers (AIChE).
- Life Member, Indian Institute of Chemical Engineers (IIChE).
- Member, IEEE

Dr. S. Muralimohan

- Life Member, Indian Institute of Chemical Engineers (IIChE).

8. MEMBERSHIP in EDITORIAL BOARDS of RESEARCH JOURNALS

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

Dr. ShirishSonawane, ACS chemistry for life membership admission committee for 2016

DrS.Srinath
Guest editor for " Environmental Science and Pollution research" Springer

9. ADMINISTRATIVE ROLES

A. DEPARTMENTAL

S. No.	Role	Faculty-in charge	Term
1	MTech Program Coordinator for NBA	Dr. T.Sunil Kumar	2015-16
2	Staff Advisor for IIChE student chapter	DrS.Srinath	2014
3	Deparmental Time Table Incharge	Dr. V Ramsagar	2015-16
4	Student Internships	Dr. V Ramsagar	2015-16
5	IV year Advisor	Dr. S.Muralimohan	2015-16
6	Mass Transfer Lab incharge	Dr. S.Muralimohan	2015-16
7	Chemical Reaction Engineering Lab incharge	Dr. VidyasagarShilapuram	2015-16
8	Department Library Incharge	Dr. VidyasagarShilapuram	2015-16
9	IIIrd year Faculty Advisor	Dr. VidyasagarShilapuram	2015-16
10	IPC Lab Incharge	Dr. A. SeshagiriRao	2015-2016

B. INSTITUTIONAL

S. No.	Role	Faculty-in charge	Term
1	Associate Dean (Admissions)	Dr. A. VenunVinod	
2	Block Warden, International Students Hostel	Dr. T. Sunil Kumar	2015-16
3	DY.Chief Warden	DrS.Srinath	2015
4	Member Board of Governors	Dr. A. SarathBabu	2015-16
5	Associate Dean (Students Welfare)	Dr. A. SeshagiriRao	
6	Head of the Department	Dr. K. Anand Kishore	From Nov-2014

10. ANY OTHER SIGNIFICANT INFORMATION

Prof. Y. Pydi Setty

i). Member of statutory selection committee for faculty recruitment for several Institutes
ii). Served as member of AICTE Expert Committee for several institutes during the period.
iii) Member of Board of studies for JNTU, Kakinada
iv) Member of Academic Council, Osmania University College of Technology, Hyderabad
v) Paper setting in various subjects for different universities.

Ph. D Guidance:

1. Guided K.Narasimhulu, Assistant Professor, Dept. of Biotechnology, NITW for Ph.D (Completed-2013)
2. Guiding OnkaraPerumal Assistant Professor, Dept. of Biotechnology, NITW for Ph D (Pursuing)
3. Guiding Nisha Gaur as a Co-guide for Ph D (pursuing) in Biotechnology Dept., NIT Warangal.

Editor for a book entitled. "Chemical and Bioprocess Engineering: Trends and Developments" published by Apple Academic Press.

Reviewed the Manuscripts for publication in the following journals:

a. Powder Technology 1 No. (Original-August 2015 and revised manuscript-December 2015) (Elsevier)
b. Reviews on Environmental Science and Biotechnology (Springer)
c. Energy and Power (Scientific and Academic Publishing, USA)
d. Canadian journal of Chemical Engineering (received for review in February 2016 and completed)
e. Bioresource Technology (May, 2016 - completed)
f. Journal of Biotechnology (May, 2016 - completed)
g. Bioresources Technology (June, 2016 - completed)
h. Powder Technology (June, 2016 - completed)

Responsibilities at Dept./ Institute's Level:

1. Member of Doctoral Scrutiny Committee for several Research Scholars in various Departments of the Institute (Mathematics, Chemistry, Biotechnology, Mechanical Engg., MME, Chemical Engg.).
2. Member of Departmental Purchase Committee.
3. Member DAC-UG
4. Member DAC-PG & R
5. Chairman of selection committee for interviews for Ph. D admission in the Department of Chemical Engineering on June 8, 2016.

Institute Level:
(Please give the details about the type of operation carried out by you)

1. Member of Purchase committee for Department of Biotechnology
2. Member of selection committee for JRF recruitment in the Dept. of Chemistry, Dept. of Mechanical Engineering, Dept. of Chemical Engineering.
3. Member of committee for Evaluation of presentations by applicants in the Recruitment of Assistant Professor for Department of Biotechnology, NIT Warangal on 01-02-2016.
4. Member of committee for Evaluation of presentations by applicants in the Recruitment of Assistant Professor for Department of Chemical Engineering, NIT Warangal on 03-02-2016

5. Director's nominee for interviews for Ph. D admission in the Department of Civil Engineering on June 9-10, 2016.

Dr.S.Srinath
i) Member of Board of studies for JNTU Hyderabad
ii) Paper setting in various subject for JNTUH, JNTUK, SVU, VIGNAN
iii) EvalutedPh.d thesis of JNTU H

Dr. VidyasagarShilapuram
i) Environmental science and pollution research
ii) Indian Journal of Chemical Technology
iii) Journal of Engineering and Technology Research
iv) Particulate science and Technology

COMPUTER SCIENCE AND ENGINEERING DEPARTMENT:

1. ACHIEVEMENTS / AWARDS / INNOVATIONS

S. No.	Name of the Faculty	Nature of the Achievement/ Award / Innovation
1	Prof.D.V.L.N. Somayajulu	Best Engineering Researcher Award in September 2015 jointly awarded by National Institute of Technology, Warangal and NIT Alumni Association in recognition of Research, consultancy and training in the field of Computer Science & Engineering.

2. INTERNATIONAL VISITS

S. No.	Name of the Faculty	Countries Visited	Organisations Visited	Dates
1	Prof.D.V.L.N. Somayajulu	Russia	BRICS Meeting	
2	Dr.U.S.N.Raju	China	To present a Paper at IEEE BigMM 2015	April 2015
3	Dr.U.S.N.Raju	USA	To present a Paper at NewYork and visited University of Southern California, Californala	July 2015

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

S.No.	External Organisation	MoU Signed on	Remarks
1	BRICS member counties	18-11-2015	• Setting up Research Labs • Joint Research Projects. • Joint Ph.D. guidance. • Faculty exchange • Joint Conference
2	Institute for Development and Research in Banking Technology	16-12-2015	• Joint Collaboration on Academic and Research activities. • Establishment of External Research Centre. • Joint M.Tech. and Research Projects.

4. RESEARCH AND CONSULTANCY EXPERTISE

A.	Research Areas Active in
•	Data Science
•	Information Security
•	Parallel Computing
•	Cryptanalysis
•	Information Security
•	Distributed Data Mining
•	Big Data Analytics
B.	**Consultancy Capabilities in**
•	Network Security
•	Cryptography
•	Web Designing
•	Mobile Application Development

5. MEMBERSHIP in PROFESSIONAL and S&T BODIES

- Institute of Electrical and Electronics Engineers(IEEE),
- Computer Society of India (CSI),

- Indian Society for Technical Education (ISTE),
- Indian Science Congress Association(ISCA)
- Academy of Discrete Mathematics and Applications(ADMA)
- Association for Computing Machinery (ACM)
- Associate member in Universal Association of Computer and Electronics Engineers (UACEE)

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

S. No.	Name	Designation	Additional Duty	Duration	
				From	To
1	Dr. T. Ramesh	Professor	Resident Coordinator, NIT AP		
2	Dr. D.V.L.N. Somayajulu	Professor	Dean, Academics		
3	Dr. D.V.L.N. Somayajulu	Professor	BRICS Coordinator		
4	Dr. D.V.L.N. Somayajulu	Professor	E&ICT Chair		
5	Dr. R. B. V. Subramanyam	Associate Professor	Associate Dean, Academics		
6	Mr. T. Ramakrishnudu	Assistant Professor	Institute Website In charge	November 2013	Till Date
7	Mr. T. Ramakrishnudu	Assistant Professor	Nodal Officer for the Institute Website from 2013-till date	November 2013	Till Date
8	Dr. K. V. Kadambari	Assistant Professor	Block Warden		
9	Dr. U. S. N. Raju	Assistant Professor	Block Warden		
10	Dr. Rashmi Ranjan Rout	Assistant Professor	WSDC In charge		
11	Dr R Padmavathy	Assistant Professor	Faculty Advisor		
12	Dr R Padmavathy	Assistant Professor	DAC-UG member		
13	Dr R Padmavathy	Assistant Professor	M.Tech Information security project committee member		

7. ADMINISTRATIVE ROLES

A. DEPARTMENTAL

S. No.	Role	Faculty-in charge	Term
NIL			

B. INSTITUTIONAL

S. No.	Role	Faculty-in charge	Term
1	Faculty Advisor WSDC	Dr. Rashmi Ranjan Rout	3 years (continuing)
2.	Monitoring Committee Member, E&ICT Academy, NIT Warangal	Dr. Rashmi Ranjan Rout	1 year

C. DEPUTATIONAL / MINISTERIAL

S. No.	Role	Faculty-in charge	Term
1	Resident Coordinator, NIT AP	Dr. T. Ramesh	

BIOTECHNOLOGY DEPARTMENT:

1. ACHIEVEMENTS / AWARDS / INNOVATIONS

S. No.	Name of the Faculty	Nature of the Achievement/ Award / Innovation
1	Dr. Rama Raju.B	Young Scientist Award-2015 received from Scientific Planet Society India, Dehradun
2	Dr.V. Kohila	Awarded second prize for the poster presented in the conference ICRTB 2016, Karaikudi
3	Dr. Prakash Saudagar	Best Presentation Award at ICIDN-2015, Kathmandu, Nepal.

2. EXTENTION / EXPERT / INVITED LECTURES DELIVERED ELSEWHERE

S. No.	Name of the Faculty	Lecture Title	Place	Dates
1	Dr. Prakash Saudagar	Redox Metabolism in *Leishmania* Parasite	RDMBSBDD-2015, IIT Guwahati, India.	December 06-07,2015

3. RESEARCH AND CONSULTANCY EXPERTISE

A. Research Areas Active in

•	Bioinformatics, Sustainable Biofuels Development
•	Environmental Biotechnology, Bio-fuels,
•	Stem Cell Engineering, Down Stream Processing
•	Modeling & simulation of bioprocesses, Bioinformatics
•	Metabolic Engineering, Biofuels & Bioenergy, Biomaterials technology
•	Gene therapy and Insights of Molecular pathogenesis, *In Silico* Biology
•	Molecular and Biochemical Parasitology
•	Signaling Pathways in Cancer, Network Biology,
•	Nano biotechnology , Medical Biosensors
•	Gene regulation in Mycobacteria, Characterization of transcription factors
•	Metagenomics

B. Consultancy Capabilities in

•	Bioinformatics, Sustainable Biofuels Development
•	Environmental Biotechnology, Bio-fuels,
•	Stem Cell Engineering, Down Stream Processing
•	Modeling & simulation of bioprocesses, Bioinformatics
•	Metabolic Engineering, Biofuels & Bioenergy, Biomaterials technology
•	Gene therapy and Insights of Molecular pathogenesis, *In Silico* Biology
•	Molecular and Biochemical Parasitology
•	Signaling Pathways in Cancer, Network Biology,
•	Nano biotechnology , Medical Biosensors
•	Gene regulation in Mycobacteria, Characterization of transcription factors
•	Metagenomics

4. 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
v. Life member Scientific Planet Society of India SPS/LM/LS/156 http://www.sciencebeingjournal.com/about-sps

5. MEMBERSHIP 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

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

S. No.	Name	Designation	Additional Duty	Duration	
				From	To
1	Dr.R.Satish Babu	Assistant Profesor	Faculty In- charge Security	June 2016	Till Date
2	Dr.R.Satish Babu	Assistant Profesor	NCC officer	2012	Till Date

7. ADMINISTRATIVE ROLES

A. 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.	Department Purchase Committee Member	Mr. Onkara Perumal.P	01.04.2015 - Till date
5.	Treasurer for Technical Association of Biotechnology (TAB).	Dr. K. Narasimhulu	Until further orders (2 Years)
6.	Faculty Coordinator for Web Advisory Committee	Dr. K. Narasimhulu	Until further orders (2 Years)
7.	Lab In-charge Instrumentation and analysis Lab	Dr. K. Narasimhulu	Until further orders (2 Years)
8.	Departmental NBA coordinator	Dr. P.Sreenivasa Rao	Until further orders (2 Years)
9.	Departmental TEQIP coordinator	Dr. P Sreenivasa Rao	Until further orders (2 Years)
10.	Faculty Coordinator Euphrates and Heritage exchange programs	Dr. P.Sreenivasa Rao	Until further orders (2 Years)
11.	Lab In-charge Downstream processing Lab	Dr. P.Sreenivasa Rao	Until further orders (2 Years)
12.	Faculty-in-charge for IV B.Tech. Biotechnology	Dr. Amitava Bandhu	Until further orders (2 Years)
13.	Faculty-in-charge, Alumni affairs	Mr. Onkara Perumal.P	Until further orders (2 Years)
14.	Lab In-charge Bioprocessing Lab	Dr. R. Satish Babu	Until further orders (2 Years)
15.	Training & Placement	Dr. Rama Raju. B	Until further orders (2 Years)
16.	Industrial tours& visits	Dr. Amitava Bandhu	Until further orders (2 Years)
17.	Lab- in charge Biochemistry Lab	Dr. Rama Raju. B	Until further orders (2 Years)
18.	Faculty Advisor Technical Association of Biotechnology	Dr. Rama Raju. B	Until further orders (2 Years)
19.	Faculty-in-charge for II/IV B. Tech Biotechnology	Dr. Prakash Saudagar	Until further orders (2 Years)
20.	Faculty-in charge Library	Dr.V.Kohila	Until further orders (2 Years)
21.	Lab In-charge : Genetic Engineering Lab	Dr. Asim Bikas Das	Until further orders (2 Years)
22.	Ph. D. course coordinator	Dr. Urmila Saxena	Until further orders (2 Years)
23.	Department Academic audit coordinator	Dr. Urmila Saxena	Until further orders (2 Years)
24.	Laboratory In-charge Microbiology Lab	Dr. Amitava Bandhu	Until further orders (2 Years)
25.	In-charge departmental glassware procurement	Dr. Asim Bikas Das	Until further orders (2 Years)

B. INSTITUTIONAL

S.No.	Role	Faculty-in charge	Term
1	Faculty-Advisor, Dance& Dramatic Club, NIT Warangal.	Dr. K. Narasimhulu	Two years
2	NCC officer	Dr. R. Satish Babu	Until further orders
4	Member, Institute Curriculum Review Committee	Dr. Urmila Saxena	Until further orders
5	Scrutiny committee of chemical and glassware procurement under rate contract	Dr. Asim Bikas Das (committee member)	2015 - 2016
6	Warden, Ladies Hostel	Dr. Urmila Saxena	July 2015- Till date

MATHEMATICS DEPARTMENT

1. ACHIEVEMENTS / AWARDS / INNOVATIONS

S. No.	Name of the Faculty	Nature of the Achievement/ Award / Innovation
1	Dr. Ch.RamReddy	Awarded Outstanding Reviewer Status from Journal of the Taiwan Institute of Chemical Engineers (Elsevier).

2. EXTENTION / EXPERT / INVITED LECTURES DELIVERED ELSEWHERE

S. No.	Name of the Faculty	Lecture Title	Place	Dates
1	G. Radhakrishnamacharya	Mathematical Modeling	S.G. Govt. Degree College, Piler, Chittoor	10-8-2015
2	G. Radhakrishnamacharya	Bio-Fluid Dynamics	Siddhartha College of Arts and Science, Vijayawada	9-9-2015
3	G. Radhakrishnamacharya	Contributions of Srinivasa Ramanujan	Central University of Karnataka, Gulbarga	15-12-2015
4	G. Radhakrishnamacharya	Fascinating world of Mathematics	Srinivasa Junior College, Vuyyuru, Krishana Dist.	2-1-2016
5	Y.N. Reddy	Finite Difference Methods	Central University of Gulburga, Gulburga	5-7, October 2015

6	Y.N. Reddy	Research in Mathematics	DST Inspire at Loyola PG College, Pulivendula,	4-12-2015
7	Y.N. Reddy	Boundary layer Problems	Adi Kavi Nannaya University, Rajamundry	29-1-2016
8	Y.N. Reddy	Delay Differential Equations	IIT Kanpur	26-27, March 2016
9	D. Srinivasacharya	Quasilinearization and Successive Linearization Methods	NIT Warangal	1-3, April, 2015
10	D. Srinivasacharya	Spectral Quasilinearisation Method	NIT Warangal	1-3, April, 2015
11	D. Srinivasacharya	Cubic Spline Collocation Method	NIT Warangal	17-19, April, 2015
12	D. Srinivasacharya	Homotopy Analysis Method	NIT Warangal	10th - 12th July, 2015
13	D. Srinivasacharya	An Introduction to HAM	NIT Raipur	04-08, January 2016
14	P. Muthu	Numerical Solution of Navier-Stokes equations - Two dimensional flow in square cavity	Department of Mathematics, N.I.T Warangal	April 1 - 3, 2015
15	P. Muthu	Numerical Solution of Navier-Stokes equations	Department of Mathematics, N.I.T Warangal	April 17 - 19, 2015
16	P. Muthu	Finite Difference Methods	Department of Mathematics, N.I.T., Warangal	May 11 - 15, 2015.
17	P. Muthu	Two dimensional flow in square cavity	Department of Mathematics, N.I.T., Warangal	July 10 - 12, 2015
18	P. Muthu	Introduction to fuzzy logic and its applications	Department of Civil Engg, N.I.T., Warangal	September 07 to 10, 2015
19	P. Muthu	Modelling of Infectious Diseases	Department of Mathematics, N.I.T., Warangal	December 7 - 11, 2015
20	Dr. R. S. Selvaraj	Computational Complexity (STTP on Contemporary Approaches of Applied Mathematics in Science and Engineering)	Dept. of Mathematics, NIT Warangal	11-15, May 2015
21	Dr. R. S. Selvaraj	Mathematical Foundation for TOC (FDP on Theory of Computation)	Dept. of CSE, NIT Warangal	18.01.2016
22	Dr. Hari Ponnamma Rani	A critique on Crank-Nicolson Method	STTP on Advanced Computational Methods in Engineering and Science, NITW	1st-3rd Apr, 2015
23	D. Bhargavi	1. Introduction to FDM and Its Applications to Incompressible Navier-Stokes Equations, 2. Introduction to SAR Scheme and Its Applications to Solve Thermal Energy Equation in Porous Medium. 3. Introduction to Mathematica Department of Mathematics,NIT Warangal 506 004.	Department of Mathematics, NIT Warangal-506 004.	1. April 1 - 3, 2015. 2. April 17th - 19th , 2015. 3. , July 10th to 12th, 2015.
24	T. Kurmayya	Perron-Frobenius theorem and its applications.	NIT Raipur	10-07-2015
25	Dr.Ch.RamReddy	The Wonderful World of Differential Equations	Series of Lectures on Applications of Engineering Mathematics, Organized by Department of Mathematics, Anurag Engineering Institutions (Autonomous), Hyderabad	Feb. 27, 2016
26	Dr.Ch.RamReddy	Simple and Parallel Shooting Methods: Applications to System of Differential Equations	STTP on Nonlinear Systems: Mathematical Modeling and Computer Simulations, Organized by Department of Mathematics, NIT Raipur.	Jan. 4-8, 2016.
27	Dr.Ch.RamReddy	Applications of Implicit Finite Difference Scheme to Differential Equations	STTP on Nonlinear Systems: Mathematical Modeling and Computer Simulations, Organized by Department of Mathematics, NIT Raipur.	Jan. 4-8, 2016.
28	Dr.Ch.RamReddy	Shooting Methods: Newton's and Parallel Shooting Methods	STTP on Contemporary Approaches of Applied Mathematics in Science & Engineering, Organized by Department of Mathematics, NIT Warangal.	May 11-15, 2015.
29	Dr.Ch.RamReddy	A domain Decomposition Method: Motivation, Basics and Applications	STTP on Advanced Numerical Methods in Fluid Dynamics, Organized by Department of Mathematics, NIT Warangal	April 17-19, 2015.

30	Dr.Ch.RamReddy	The Keller-Box Method: Introduction & Its Applications	STTP on Advanced Computational Methods in Engineering and Science, Organized by Department of Mathematics, NIT Warangal	April 1-3, 2015.

3. CONFERENCES / SYMPOSIA SESSIONS CHAIRED

S. No.	Name of the Faculty	Event Title	Place	Dates
1	YNReddy	ICMMDESCA-2016	IIT Kanpur	26-27, March 2016
2	P Muthu	International Conference on Mathematical and Computational Biology	I.I.T. Kanpur	28 Feb - 3 Mar, 2015
3	P Muthu	International Conference on Computational Heat and Mass Transfer	N.I.T. Warangal	November 30 - December 2, 2015
4	P Muthu	International Conference on Mathematical Modelling, Differential Equations, Scientific Computing and Applications	I.I.T. Kanpur	March 27-29, 2016
5	Dr. Hari Ponnamma Rani	Int. Conference on Computational Heat and Mass Transfer (ICCHMT-2015)	Dept .of Mathematics, NITW, India	30th Nov- 2nd Dec. 2015
6	Dr. Hari Ponnamma Rani	Int. conference on Vibration problems (ICOVP -2015)	Dept. Mathematics & Dept. of Mechanical Engg, Kakatiya Uni., Warangal, India.	18th-20th Feb., 2015
7	D. Bhargavi	International Conference on Computational H eat and Mass Transfer,	Organized by Department of Mathematics, National Institute of Technology, Warangal-506 004, Telangana State, India	November 30 to December 2, 2015

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

S. No.	External Organisation	MoU Signed on	Remarks
1	IIGM (Indian Institute of Geomagnetism Mumbai)	23-11-2015	

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 Fluid Dynamics

6. MEMBERSHIP in PROFESSIONAL and S&T BODIES

J. Pranitha

- ISTAM(Indian Society for Theoritical and Applied Mechanics)
- APSMS(Andhra Pradesh Society for Mathematical Sciences

R.S. Selvaraj:

- Life member of "CRYPTOLOGY RESEARCH SOCIETY OF INDIA – CRSI" [ID No. L/497]

H.P. Rani:

- Indian Society for Theoretical and Applied Mathematics (ISTAM)
- International Association of Mathematical Physics
- Indian society for heat and mass transfer
- Indian Society for Mathematical Modeling & Computer Simulation

T. Kurmayya:

- Member in the Ramanujan Mathematical Society

7. MEMBERSHIP in EDITORIAL BOARDS of RESEARCH JOURNALS

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, Engineering and Applied Computational Fluid Mechanics.
- Member of the Editorial Board for Thermal and Mass Transport, a specialty of Frontiers in Mechanical Engineering.
- Guest editor of The Standard International Journals (The SIJ)

Dr.Ch.RamReddy

i. Universal Journal of Computational Mathematics
ii. Research Journal of Pure Science
iii. International Journal of Advanced Trends in Computer Applications
Journal of Statistics and Mathematical Sciences

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

S. No.	Name	Designation	Additional Duty	Duration	
				From	To
1.	Prof. K.N.S.Kasi Viswanadham	Professor	Nodal Officer, TEQIP Phase-II	1-4-2015	31-3-2016
2.	Prof. K.N.S.Kasi Viswanadham	Professor	Finance Officer, GIAN Program	16-1-2016	31-3-2016
3.	Prof.J.V.Ramana Murthy	Nodal Officer for MHRD data			
4	Prof Debashis Dutta	HOD, Maths		Jan 11, 2016	Till date
5	D. Srinivasacharya	Associate Professor	Chief Warden	22/06/2014	25/06/2015
6	Dr J Pranitha	Assistant Professor	LH Warden	4th August 2014	4th August 2015

9. ADMINISTRATIVE ROLES

A. DEPARTMENTAL

S.No.		Role	Faculty-in charge	Term
1	D. Srinivasacharya	Incharge	Computational lab	
2	P. Muthu	Faculty In-charge	Department Library	2015 – 2016
3	J. Pranitha	Treasurer	1 year	1
4	R.S. Selvaraj	Course Coordinator	For Mathematics-II	Jan. - May 2016
5	R.S. Selvaraj	Dept. Website in-charge	Website in-charge	
6	H.P. Rani	Faculty Advisor	Faculty Advisor	2014- till date.
7	H.P. Rani	Postgraduate course committee member	Committee member	2014- till date
8	Ch. Ramreddy	Coordinator	MA201:Mathematics-III course	July, 2015 – Dec, 2015
9	Ch. Ramreddy	In-charge	Time Table	July, 2014 – Till Date

B. INSTITUTIONAL

S. No.	Role	Faculty-in charge	Term
1	Member, BOG, NIT Warangal	G. Radhakrishnamacharya	Dec 2013-Nov 2015
2	Prof. Incharge, Legal Cell, NIT Warangal	G. Radhakrishnamacharya	Dec 2012-July 2015
3	Deputy Chief Warden	Prof Debashis Dutta	3years+
4	Warden IFC-B	Prof Debashis Dutta	1 year
5	Member in Tender Committee for IFC & Messes	Prof Debashis Dutta	3years+

6	Coordinator for Hostel Portal (On line Room & Mess Allotment)	Prof Debashis Dutta	3years
7	Member of the Curriculum Committee	Dr J Pranitha	2 years
8	Warden and Incharge for Plumbing and Carpentary	Dr. T. Kurmayya	2 years
9	Warden (IFC-A)	Dr. Ch. Ramreddy	Aug, 2015 - Till Date
10	Member (Anti-Ragging Committee)	Dr. Ch. Ramreddy	July, 2014 - Till Date

DEPARTMENT OF PHYSICS

1. EXTENTION/EXPERT/INVITEDLECTURESDELIVEREDELSEWHERE

S.No.	NameoftheFaculty	LectureTitle	Place	Dates
01	Dr D. Dinakar	Fiber optics and its applications	National seminar on recent advance in smart materials and probing techniques. Dept. of physics south campus, Telengana Univ. Nizambad	August 21-22 2015. Telengana state
02	Dr D. Dinakar	comparison study on different types of fiber optic vibration sensors:	3rd two day National conference on applied physics and materials science, Dept. of Physics, Vasavi college of Engineering	7-8 august, 2015
03	Dr. Sourabh Roy	Lecture on "Solid State Lighting" at Date:	MVSR Engineering College Hyderabad	16/11/2015
04	Dr. D. Paul Joseph	Proximity Effect in Bi-layers and Tri-layers of Mutually Exclusive Half-metallic Ferromagnet and High T_c Superconducting Thin Films	International Conference on Magnetic Materials and Applications - 2015 - by the 'Magnetics Society of India', DMRL, Hyderabad, at VIT, Vellore, India.	2nd Dec. to 4th Dec. 2015.

2. CONFERENCES/SYMPOSIASESSIONS CHAIRED

S. No.	Name of theFaculty	EventTitle	Place	Dates
01	Dr D. Dinakar	International conference on Communication, Information & Computing Technology (ICCICT-15) (Chaired a Session and Keynote Address and Guest of Honor)	Punjab Technical University, India, Amritsar, Punjab, India.	May, 2015,
02	Dr D. Dinakar	3rd Two Day National Conference On Applied Physics And Materials Science.	Dept. of Physics,Vasavi College Of Engineering (Autonomous)	7-8 Aug 2015
03	Dr. T. V. Appa Rao	ICCHMT-2015	Dept of Mathematics, NIT Warangal	30.11.2015

3. INTERNATIONALVISITS

S. No.	Nameof theFacully	CountriesVisited	OrganisationsVisited	Dates
01	Dr. Sourabh Roy	Italy	University of Padova as Visiting Scientist	15 May-15 June

4. RESEARCHANDCONSULTANCYEXPERTISE

A. ResearchAreasActivein

- Fiber Optics
- Photonics
- Bio and Glass Materials
- Nuclear Physics
- Polymer Materials
- Organic and Polymer solar cells
- Transparent Conducting Oxides and Electrochromics
- Thin Films and Nanomaterials
- Magnetic & Spintronics Materials

B. ConsultancyCapabilitiesin

- Oxide and metallic thin film coatings using Thermal evaporation, Spray pyrolysis and Spin coating

5. MEMBERSHIPinPROFESSIONALandS&TBODIES

Dr. T. V. Appa Rao
1. Member in Physics Teacher – Online Group
2. Member in Polymer Science – Linkden Group

Dr. P. Abdul Azeem
1. Luminescence society of India (LSI)
2. Materials Research society (MRS)

Dr. D. Paul Joseph
1. Materials Research Society of India (Life member) - LMB1367
2. Magnetics Society of India (Life member) – LM456
3. Indian Physics Association (Life member) – GEN/LM/12995

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

6. ADMINISTRATIVE/CO-CURRICULAR/OTHERADDITIONALPOSITIONSHELDBYTHEFACULTY

S. No	Name	Designation	Additional Duty	Duration	
				From	To
1	Dr. T. V. Appa Rao	Assit. Prof	Warden	April 2015	March 2016
2	Dr. Sourabh Roy	Assit. Prof	Painting Club	April 2015	March 2016

7. ADMINISTRATIVE ROLES

A. DEPARTMENTAL

Sl. No	Role	Faculty in charge	Term
1	Optics Lab in charge	Prof. M. Sai Shankar	April 2015 to March 2016
2	Head, Dept. of Physics	Prof. L. R. G. reddy	23-06-2015 to 03-08-2016
3	Electronics Lab in charge	Prof. R. L. N. Sai Prasad	April 2015 to March 2016
4	U.G. Lab and Materials Science Lab in charge	Dr. K. V. G. Reddy	April 2015 to March 2016
5	Faculty coordinator T & P	Dr. T. V. Appa Rao	April 2015 to March 2016
6	Physics Association	Dr. Sourabh Roy	April 2015 to March 2016
7	Dept. Website incharge	Dr. D. Paul Joseph	April 2015 to March 2016

B.INSTITUTIONAL

Sl. No	Role	Faculty in charge	Term
1	Faculty In charge of Dispensary	Prof. S.V.S. Ramana Reddy	April 2015 to March 2016
2	Chief Warden	Prof. M. Sai Shankar	April 2015 to March 2016
3	Dean P & D	Prof. R. L. N. Sai Prasad	April 2015 to March 2016
4	Assoc. Dean, Faculty Welfare	Dr. D. Dinakar	April 2015 to March 2016
5	Faculty In charge of Minority cell	Dr. P. Abdul Azeem	April 2015 to March 2016
6	Hostel Warden	Dr. T. V. Appa Rao	2014 onwards till date
7	Hostel Warden	Dr. Sourabh Roy	2014 onwards till date

C.DEPUTATIONAL/MINISTERIAL

Sl. No	Role	Faculty in charge	Term
1	Director, NIT- Goa	Prof. G. R. C. Reddy	2010 to till date

8. ANYOTHERSIGNIFICANTINFORMATION

Dr. P. Abdul Azeem, Dr. K. Thangaraju, Dr. D. Paul Joseph and Dr. V. Jayalakshmi are active members in the Center for Advanced Materials and also in the Centre of Excellence for Energy under the TEQUIP-II programme. Dr. P. Abdul Azeem is also an active member in Center for Advanced Instrumentation.

CHEMISTRY DEPARTMENT:

1. ACHIEVEMENTS / AWARDS / INNOVATIONS

- **A. Ramachandraiah**
- A. Ramachandraiah, Conductometry and Potentiometry, Unit Lesson 411.7; AUM 411: Basics of Analytical Sciences and Electronics, Postgraduate Diploma in Quality Control and Management, University of Hyderabad
- A. Ramachandraiah, Electrogravimetry, Polarography and Cyclic voltammetry, Unit Lesson 411.8; AUM 411: Basics of Analytical Sciences and Electronics, Postgraduate Diploma in Quality Control and Management, University of Hyderabad
- A. Ramachandraiah, Computational Chemistry and Computer Applications in Chemical Analysis, Laboratory Instruction Manual for M.Sc. Industrial Chemistry, National Institute of Technology Warangal
- Editor: VidyarthiChekumuki (science monthly; since inception for 24 years)
- Science Columnist in *Eenadu* (largest circulated Telugu daily; since 15 years, weekly twice)
- Science Columnist in *The Hindu* (South India's largest English daily; since 15 years, avg monthly once)
- Science Columnist in *Prajashakti* (Telugu daily; science article every week; since 4 years)
- Science Columnist in *Nava Telangana*(Telugu daily; science article every week; since July, 2014)
- The Hindu published 2nd highest number of Science Answers in its 'The Hindu Speaks on Scientific Facts', 2015
- B.V. Appa Rao, A. Ramachandraiah and I. Ajit Kumar Reddy, Practicals of Physical Chemistry, Laboratory Instruction Manual for M.Sc. Industrial Chemistry, National Institute of Technology Warangal
- B.V. Appa Rao, A. Ramachandraiah and I. Ajit Kumar Reddy, Practicals of Physical Chemistry, Laboratory Instruction Manual for II/IV B.Tech.. Chemical Engg, National Institute of Technology Warangal
- B.V. Appa Rao, A. Ramachandraiah, I. Ajit Kumar Reddy, P. Nageswara Rao and K. Laxma Reddy, Practicals of Engineering Chemistry, Laboratory Instruction Manual for I/IV B.Tech., National Institute of Technology Warangal
-

•	I. A.K.Reddy	Is awarded **"Best Science Faculty of the Year 2015"** by NITW Alumni Association and NIT Warangal
•	I.A.K.Reddy	As a Co-Developer developed "***Chemistry-I e-learning course*** " of the MHRD- NMEICT project entitled "Developing suitable pedagogical methods for various classes, intellectual calibers and research in e-learning"in association Prof. B.V.Appa Rao (Principal Developer) and Prof. A.Ramachanraiah (Co-Principal Developer).
•	I.A.K.Reddy	Introduced new Experiments in M.Sc. (Chemistry) Physical Chemistry Laboratory and developed Laboratory Manuals for the same
•	B.V. Appa Rao	Best Paper Award by the NACE International, Gate Way India Section for the following paper. 'Corrosion control of mild steel in 1M HCl by synergistic effect of chitosan ascorbate ketimine and Cu2+ ions, Vimal Kumar, K and B.V.Appa Rao, CORCON(2015), organised by NACE International, Gate Way India Section,19-21 November 2015, Chennai Trade Centre, Chennai.

2. EXTENTION / EXPERT / INVITED LECTURES DELIVERED ELSEWHERE

S. No.	Name of the Faculty	Lecture Title	Place	Dates
1	Prof. A. Ramachandraiah	Electron Microscopy: SET, TEM, STEM, AFM	Govt PG College, Rajahmundry	21st-22nd Aug. 2015
2	Prof. A. Ramachandraiah	Trends of Modern Science	Govt PG College, Rajahmundry	22nd Aug, 2015
3	Prof. A. Ramachandraiah	International Ozone-Day	DIET College	16-9-2015
4	Prof. A. Ramachandraiah	Science and Scientific Temper	Chaitanya Degree & PG College, Hanamkonda	7-1-2016
5	Prof. A. Ramachandraiah	Science and Scientific Temper	Kavitha Memorial Degree & PG College, Khammam	19-1-2016
6	Prof. A. Ramachandraiah	National Science Day and Raman-Effect	DIET College	28-2-2016
7	Prof. A. Ramachandraiah	National Science Day and the Role of Youth	SR College, Warangal	29-2-2016

8	I.A.K.Reddy	Journey at NIT Warangal and Beyond	At the orientation programme for DASA students of NIT Warangal, NITW	28th July 2015
9	I.A.K.Reddy	Teaching- Learning Methods and Values Education"	At the Training Programme for PGTs and TGTs of Navodaya Schools from South India held at Jawahar Navodaya Vidyalaya, Mamnoor, Warangal District on the	23rd June 2015
10	I.A.K.Reddy	Technologies for Flipped Classroom	Training Programme for Executives at NAARM, Hyderabad	19th May 2016
11	I.A.K.Reddy	Learner Centered Teaching Strategies in Higher Education	Workshop on "Soft Skills" at Sri Hindu College of Engineering, Ibrahimpatnam, Hyderabad	20th May 2016
12	Prof. K. Laxma Reddy	Opportunities in Science Education and Research	Chitanya Degree & PG College Hanamkonda Karimnagar	7-1-2016
13	Prof. K. Laxma Reddy	Environmental Issues and Challenges	Kavitha Degree & PG College. Khammam	19-1-2016
14	Prof. K. Laxma Reddy	Opportunities in Science Education and Research	Aditya High School, Suryapet	25-2-2016
15	Prof. K. Laxma Reddy	Raman Effect and Applications	Govt, High School, Krisna Colony, Warangal	27-2-2016
16	Prof. K. Laxma Reddy	Science and Scientific Temper	Kakatiya School, Wardennapet	28-2-2016
17	Prof. K. Laxma Reddy	Opportunities in Science Education and Research	Wisdom School, Narasampet	6-3-2016
18	Prof. K. Laxma Reddy	Removal of Metal ions by Biosorption methods using Modified Chitozins	National Conference on "Emerging trends in Pharmaceutical and Chemical Sciences" Department of Chemistry, SV. University, Tirupati	28-3-2016

3. CONFERENCES / SYMPOSIA SESSIONS CHAIRED

S. No.	Name of the Faculty	Event Title	Place	Dates
1	Prof. A. Ramachandraiah	2-Day UGC National Conference on ***Advanced Molecular Spectroscopic Techniques***	Govt PG College, Rajahmundry	21st-22nd Aug, 2015
2	Prof. A. Ramachandraiah	*Perkin-Elmer Product Seminar on New Trends in FT IR and UV-Vis*	AVAS, Hyderabad	2nd June, 2015 Topic Keynote and Participation
3	I.A.K. Reddy	Chaired Technical Session V at the 7th IEEE International Conference on "Technology for Education"	NIT Warangal	10-12, Dec. 2015
4	I.A.K. Reddy	Chaired Techical Session IV on "Catalysis" at the National Conference on "Frontiers in Chemical Sciences and Technologies"	NIT Warangal	28-29, January 2016
5	Prof. K. Laxma Reddy	*National Conference on "Frontiers in Chemical Sciences and Technologies"*	Department of Chemistry, NIT, warangal	28-29 January, 2016
6	Prof. K. Laxma Reddy	*National Conference on "Emerging Trends in Pharmaceutical and Chemical Sciences"*	Department of Chemistry, SV, University, Tirupati	28-29 March, 2016
7	Prof. Rajeswar Rao Vedula	*Frontier in Chemical Sciences and Technologies*	NIT Warangal	January, 28-29th 2016

4. RESEARCH AND CONSULTANCY EXPERTISE

A. Research Areas Active in

- Coordination Chemistry
- Environmental Chemistry
- Kinetics and Mechanisms of Reactions
- Homogeneous and Heterogeneous catalysis
- Educational Technology
- Synthetic Organic Chemistry
- Heterocyclic Chemistry
- Electrochemical Sensors
- Fuel Cell Electrocatalytic Materials
- Biosensors
- Molecular Imprinted Polymers
- Synthesis and Biological Evaluation of Non-viral Gene Delivery Vectors
- Development Heterocyclic based Pharmaceuticals
- Advanced Materials
- Heterogeneous catalysis & Biomaterials
- Nano structured materials for photocatalytic applications
- Development of synthetic methods
- Total synthesis of natural products
- Carbohydrate Chemistry
- Medicinal Chemistry

B. Consultancy Capabilities in

- Testing of Materials
- Water Quality & Analysis
- Total Synthesis of Drugs
- Total Synthesis of Medicinally Important Organic Heterocyclic Compounds
- Fuel Cell Materials
- Gas-diffusion Electrodes
- Immunosensors, SPR sensors
- Electrochemical- and Bio-sensors
- Advanced materials
- Heterogeneous catalysis and Biomaterials
- Organic Synthesis
- Homogeneous and Heterogeneous catalysis
- Medicinal Chemistry

5. MEMBERSHIP in PROFESSIONAL and S&T BODIES

Prof. A. Ramachandraiah: American Chemical Society (ACS); Indian Council of Chemists (ICC); 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)

(i) Life Member, Catalysis Society of India
(ii) Life Member, Indian Council of Chemists
(iii) Life Member, Indian Society for Technical Education
(iv) Life Member, Association of Chemistry Teachers
(v) Life Member, Indian Society for Training & Development

Prof. K. Laxma Reddy
Life Member in Indian Chemical Society
Life Member in NEERI Journals
Life Member in ISTE

Prof. V. Rajeswar Rao
Indian Council of Chemists, Agra
International Society of Electrochemistry (ISE)
Materials Research Society of India (MRSI)

Dr. K. V. Gobi

Indian Society for Electroanalytical Chemistry (ISEAC)
Society for Advancement of Electrochemical Science and Technology (SAEST)
The Japan Association of Chemical Sensors

Dr. N. Venkatathri

American Chemical Society Membership
Catalysis society of India
Materials Research Society of India
Chemical Research Society of India
International Zeolite Association

Dr. Vishnu Shanker
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.
Life Member, Chemical Research Society of India

An e-member of Royal Society of Chemistry, London

6. MEMBERSHIP in EDITORIAL BOARDS of RESEARCH JOURNALS

The open catalysis journal
Current world environment
Journal of Ultra Chemistry
Intech publications
Associate Editor of Journal of Nanoscience Letters
Journal of Pharmacy and Chemistry

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

S. No.	Name	Designation	Additional Duty	Duration	
				From	To
1.	Prof. A. Ramachandraiah	Professor	Prof-In-Charge, CAI	01.04.2015	Till date
2.	Prof. A. Ramachandraiah	Professor	Institute Coordinator of Erasmus Mundus Euphrates	01.04.2015	Till date
3.	Prof. A. Ramachandraiah	Professor	Institute Coordinator of Erasmus Mundus Heritage	01.04.2015	Till date
4	I . A. K. Reddy	Professor	Centre for Educational Technology	17-10-2014	Continuing
5	I. A. K. Reddy	Professor	Centre for Continuing Education	17-10-2014	Continuing
6	I. A. K. Reddy	Professor	Centre for Pedagogy	17-10-2014	Continuing
7	I. A. K. Reddy	Professor	Institute Level Mentoring Committee	Dec. 2015	Continuing
8	I. A. K. Reddy	Professor	Coordinator Teaching and Learning Centre Member,	August 2015	Continuing
9	I. A. K. Reddy	Professor	Institute Level Monitoring Committee, Rashtriya Avishkar Abhyan	24-10-2014	Continuing
10	Prof. K. Laxma Reddy	Professor	Chairman, Games & Sports	5-9-2007	6-4-2009
11	Dr. K. V. Gobi	Associate Professor	Course Coordinator - I/IV B.Tech. Chemistry	June 2013	Present
12.	Dr. B. Srinivas	Assistant Professor	Rate contract (Chemicals and Glassware)	2015	2016

8. ADMINISTRATIVE ROLES

A. DEPARTMENTAL

S. No.	Role	Faculty-in charge	Term
1	Prof-In-Charge	Computational Lab Dr. A. Ramachandraiah	01.04.2015 to Till date
2	Prof-In-Charge	Instrumentation Lab – II Dr. A. Ramachandraiah	01.04.2015 to Till date
3	In-charge	Physical & Analytical Chemistry Laboratory Dr. I. Ajit Kumar Reddy	July 2015 – Continuing
4	Faculty In-charge	Acquisition and Maintenance of Minor Instruments Dr. I Ajit Kumar Reddy	July 2011- Continuing
5	Faculty Coordinator	II B.Tech (Chemical Engg.) Course Dr. I Ajit Kumar Reddy	July 2010- Continuing
6	Faculty Coordinator	I M.Sc. Chemistry (DDPP and MMCA Programmes) Dr. I Ajit Kumar Reddy	July 2012- Continuing
7	In-charge	Departmental Seminar Hall Dr. I Ajit Kumar Reddy	July 2012- Continuing
8	Member	Departmental Space Committee Dr. I Ajit Kumar Reddy	June 2014- Continuing
9	Head, Department of Chemistry	Prof. K. Laxma Reddy	2 Years (3-1-2011 to 1-1-2013)
10	In-Charge, NMR Instrument	Prof. K. Laxma Reddy	From 2-10-2014 onwards
11	Head, Department of Chemistry	Prof. V. Rajeswar Rao	01/08/2014-02/08/2016
12	Coordinator - Academic curriculum (Examination, Paper setting, Evaluation Process and Grading) of I/IV B.Tech. Chemistry Laboratory Cycle	Dr. K. V. Gobi	June 2013 to Present
13.	Coordinator - Departmental maintenance and usage of Electrochemical, Spectroscopic and Fluorometry equipments and purchases of High grade gases	Dr. K. V. Gobi	June 2013 to Present
14	Core Member, Department Purchase Committee	Dr. K. V. Gobi	June 2015 to Present
15	Faculty In-charge Research Laboratory (Physical Chemistry)	Dr. K. V. Gobi	July 2013- Continuing
16.	Initiator, Department Purchase committee	Dr. N. Venkatathri	2012 - till date
17.	Faculty Adviser - I/IV B.Tech., I/II M.Sc. and II/II M.Sc. Registration	Dr. N. Venkatathri	2012- till date
18	coordinate the academic curricular (Exam, Paper setting, Evaluation Process and Grading) and Coordinator of mentors nominated by Head, Department of Chemistry	I/IV-B.Tech. Chemistry Cycle In-charge for Dr. Vishnu Shankar	three years
19	to frame the time table for the smooth conduction of the classes	Departmental Time – Table. Dr. Vishnu Shankar	three years
20	to maintain the website up-to-date	Departmental website and database management. Dr. Vishnu Shankar	three years
21	IR- IN CHARGE	K. Hari Prasad	01.04. 2015 on wards
22	Faculty advisor for Chemistry association	K. Hari Prasad	01.04. 2015 on wards
23.	Member of UG and PG-R DAC	Dr. B. Srinivas	2014 to till now
24.	File maintenance (CO's) during NBA visit	Dr. B. Srinivas	2014 to till last visit
25.	Maintenance of NMR instrument	Dr. B. Srinivas	2015-tillnow

B. INSTITUTIONAL

S. No.	Role	Faculty-in charge	Term
1	Prof-In-Charge	Dr. A. Ramachandraiah CAI, NITW	01.04.2015 to Till date
2	Faculty In Charge	Dr.A. Ramachandraiah ESR, CAI, NITW	01.04.2015 to Till date

3	Chairman, Library Advisory Committee	Dr. K. Laxma Reddy	From 8-10-2014 onwards
4	Head, Department of Biotechnology	Dr. K. Laxma Reddy	From 25-6-2015 onwards
5.	To coordinate the research progress of the Center of Excellence in 'Sustainable Energy Studies' (CoE-SES)	Dr. K. V. Gobi	August 2013 to Present
6.	To coordinate the research progress of the Center of Advanced Materials (CAM)	Dr. K. V. Gobi	June 2012 to Present
7.	Member, Central Library Advisory Board	Dr. N. Venkatathri	2012- till date
8	To look after the Rajbhasha activities in the institute	Dr. Vishnu Shankar Faculty In-charge for Hindi (Raj Bhasha)	24-11-2008 to till the date.
9	guide the students to organize activities (in 2015 got Best Emerging club award)	Dr. Vishnu Shankar Faculty Advisor of Nature Club	2013 to till date
10	To look after the various activities	Dr. Vishnu Shankar Member in institute fest during "Spring Spree-2015"	2015
11	Publication of convocation booklet	Dr. Vishnu Shankar A member of publications committee (convocation booklet, chief guest address) of 12th Convocation of the Institute.	2015 and 2016

C. DEPUTATIONAL /MINISTERIAL

S. No.	Role	Deputation	Term
1	Nodal Officer	MHRD-Rashtriya Avishkar abhiyan (RAA) Dr.A. Ramachandraiah	2015 May Onwards
2	Coordinator	HERITAGE(Ersmus Mundus) Dr.A. Ramachandraiah	2013 July onwards
3	Coordinator	EUPHRATES(Ersmus Mundus) Dr.A. Ramachandraiah	2014 July onwards
4	Coordinator	MERGING VOICES (Ersmus Mundus) Dr.A. Ramachandraiah	2016 January onwards
5.	Observer, NET-2015	Dr. N. Venkatathri	December 2015
6.	Microobserver. Lok shaba and Municipality elections	Dr. N. Venkatathri	2015-2016
7.	Involved in the NIT AP admissions.	Dr. B. Srinivas	2015

9. ANY OTHER SIGNIFICANT INFORMATION

Dr.A. Ramachandraiah

(1) Member, Board of Studies JNTUH, Telangana
(2) Board Member in Anna University, Channai, Thamilnadu
(3) Mentor, in the National Pool of DST INSPIRE

Dr. K. Laxma Reddy

Actively involved in propagation of Scientific Temper among the masses and also in community service through Jana Vignana Vedika, Telangana and Presently State President, Jana Vignana Vedika, Telangana State.

Dr. K. V. Gobi

Reviewer for following High Impact factor journals:

Biosensors and Bioelectronics
Sensors and Actuators B
Electrochimica Acta
Talanta
Bioelectrochemistry

Reviewer of Ph.D. Thesis from NIT Trichy, M.S. University, Tamilnadu.

Dr. N. Venkatathri

* Ph.D. thesis, External Examiner, Inorganic and Physical chemistry division, Indian Institute of Technology, Hyderabad.
* Ph.D. thesis, External Examiner, Department of Chemistry, Anna University, Chennai.
* Ph.D. course, Doctoral Scrutinizing committee member, Department of Chemical Engineering, NIT, Warangal.
* Ph.D. course, Doctoral Scrutinizing committee member, Department of Chemistry, NIT, Warangal.

Dr. Vishnu Shanker

Resource person for the Center for advance Materials.

HUMANITIES AND SOCIAL SCIENCES DEPARTMENT:

1. EXTENTION / EXPERT / INVITED LECTURES DELIVERED ELSEWHERE

S. No.	Name of the Faculty	Lecture Title	Place	Dates
1.	Dr. Madhavi Kesari	"How to write a research paper/proposal"	Three week Refresher Course on "Soft Skills for Professional Excellence" organized by UGC- Human Resource Development Centre, JNTUH Kukatpally	19-12-2015
2.	Dr. Madhavi Kesari	"Strategies to Develop Language Proficiency	Summer School on "Role ofCommunication Skills in Effective Teaching"	JNTUH Kukatpally, Hyderabad on 10-06-2015
3.	Dr. Madhavi Kesari	'Curriculum Development and Syllabus Design	Five Day workshop Activity Based Language Teaching' at JNTUK Vizianagaram.	17th April 2016

2. CONFERENCES / SYMPOSIA SESSIONS CHAIRED

S. No.	Name of the Faculty	Event Title	Place	Dates
1	Madhavi Kesari	Two day National Conference on Women in Higher Education: Perspectives and Challenges in Digital ERA (WHE-2016)'	National Institute of Technology, Warangal	during 30th – 31st May, 2016.
2.	D.S.Kesava Rao	Delivered Expert lecture " Towards Effective Teaching of English-- Methods, Materials, Research and Training"	Srinidhi Institute of Technology and Sciences, Ghatkesar	July 25, 2016

3. RESEARCH AND CONSULTANCY EXPERTISE

A. Research Areas Active in
Dr. Madhavi

- Academic reading and writing skills; Designing task based ESP courses based on learner needs; Multiple intelligences -Visual Literacies
- Educational Technology

Dr. M.R. Vishwanadhan

- English Language Teaching
- British/American literature

Prof. D.S. Kesava Rao: **Teacher Development , Moral Values in Education**

4. MEMBERSHIP in PROFESSIONAL and S&T BODIES.

Prof. D.S. Kesava Rao

1. Member of Departmental Committee Central University of Hyderabad
2. Member of Board of Studies JNTU Hyderabad
3. –do—JNTU Anantapur
4. –do—JNTU Kakinada
5. ELTAI English Language Teachers Association, Chapter, Chennai
6. ISTE life member

Dr. K. Madhavi

- GIAN
- ELTAI English Language Teachers Association, Chapter, Chennai.
- ELT Voices, INDIA Journal, GUJARAT
- JNTU Forum of Musings, JNTU College of Engineering, Hyderabad.
- Member on BOS Committee BVRIT Vishnupur.
- Member on BOS Committee for Gitanjali College of Engineering, Keesara, Hyderabad
- Executive Editor, The Forum for Musings, JNTU Journal of English studies.

Member Editorial Board Sreenidhi's Journal of English Studies SNIST

5. MEMBERSHIP in EDITORIAL BOARDS of RESEARCH JOURNALS:

Prof. D..S.Kesava Rao
Editor

1. Literary Vibes
2. Journal of Literature Society

Dr.K.Madhavi

- Member on BOS Committee BVRIT Vishnupur.
- Member on BOS Committee for Gitanjali College of Engineering, Keesara, Hyderabad
- Executive Editor, The Forum for Musings, JNTU Journal of English studies.
- Member Editorial Board Sreenidhi's Journal of English Studies SNIST

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

S. No.	Name	Designation	Additional Duty	Duration	
				From	To
1.	Madhavi Kesari	Assistant Professor	ELCS Lab in charge	Jan 14	date
2.	Madhavi Kesari	Assistant Professor	Newsletter editor(Assistant)	Nov, 2013	date
3.	Madhavi Kesari	Assistant Professor	TWANIT Executive Council Member	Feb 2014	March 2015
4.	Dr. M. Raja Vishwanathan	Assistant Professor	LandD club faculty advisor	2013	date

7. ADMINISTRATIVE ROLES

A. DEPARTMENTAL

S.No.	Role	Faculty-in charge	Term
1	*ELCS Lab in charge.*	Madhavi Kesari	2013-Till date
2.	*Course Coordinator- I.B-Tech*	Madhavi Kesari	2014-Till date
3.	*Editor Institute News Letter*	Madhavi Kesari	2014-Till date
4.	Head of the Department	Prof .D.S. Kesava Rao	Since 2009 till date

B. INSTITUTIONAL

S. No.	Role	Faculty-in charge	Term
1.	Warden Ladies Hostel	Madhavi Kesari	2014-Till date
2.	Core team member of Centre for Educational Technology and Centre for Pedagogy at the Institute	Madhavi Kesari	2015-Till date
3	Core Group Member, Teaching and Learning Centre, NIT Warangal.	Madhavi Kesari	2016-Till date
4.	Chief Editor Newsletter and Institute Magazine Chief Editor Institute Newsletter Convenor, Convocation Brochure	Prof .D.S. Kesava Rao	Since 2005 till date
5	Purchase of books for NIT library Library Purchase Committee	Dr. M. Raja Vishwanathan	2012- date

SCHOOL OF MANAGEMENT

1. EXTENTION / EXPERT / INVITED LECTURES DELIVERED ELSEWHERE

S. No.	Name of the Faculty	Lecture Title	Place	Dates
1	Dr.M.Ravindar Reddy	International Business	JNTU, Hyderabad	October 2015
2	Dr.K.Padma	Personality Development	Govt. Degree College,Khammam	19th September 2015

2. RESEARCH AND CONSULTANCY EXPERTISE

A. 1. Dr.M.Ravindar Reddy
Economics & Finance

2. Dr.P.Ramlal
Research Areas Active in

1. Human Resources, Training
2. 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 / CO-CURRICULAR / OTHER ADDITIONAL POSITIONS HELD BY THE FACULTY

S. No.	Name	Designation	Additional Duty	Duration	
				From	To
1.	Dr.M.Ravindar Reddy	Assoc.Prof.	Associate Dean (Accounts)	2014	Till date
2.	Dr.K.Padma	Assoc. Prof.	1.Staff advisor, Innovation Garage 2.Innovation & incubation club	2015	Till date

6. ADMINISTRATIVE ROLES

A. 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, Class & Exam time tables	
6	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	
2	Dr.K.Padma	Women's Protection cell, Innovation garage	
3	Dr.P.Ramlal	Coordinator, Differently Abled People Cell, NIT Warangal	
4	Dr.K.Francis Sudhakar	PRO	

11.0 ACTIVITIES OF TECHNICAL ASSOCIATIONS

STUDENT HOBBY CLUBS DURING THE YEAR 2015-2016

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.	Biotechnology 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 2015 – 2016

DANCE AND DRAMATIC CLUB Teacher's day celebrations (05/09/15): We firstly started our events by organizing a program on teacher's day. Club was not formed by then. But all the final years of the club coordinated and successfully organized the event. We actually did a couple of skits on teacher's day theme and few dances.

Fresher's event (16/10/15): This is an event which tries to recognize the best dancers of fresher's coming down to college. Fresher's will be auditioned initially and the top three male and female contestants get to battle in the auditorium for the titles Mr.DnD and Miss. DnD. Fresher's were really enthusiastic and we could get participants in real huge number.

Technozion audinite (30/10/15): DnD has always been the best entertainer for the crowd coming down to technozion. This year too we made our mark. We gave a very good show. I can confidently say that audinite was the best night of technozion'15.

Thematic nite (23/11/15): This event was newly introduced this year.Where all the performances of the show should be of a particular theme. Themes were "romantic nite" and "pawannite". We never expected such an overwhelming response for a new event but we did get it.

Audi nite 1 (08/02/16): They is no exaggeration when you say that audinites are one of the best events that happen in college. Almost all the students attend audinites. Auditorium will always be full. These refreshes student's minds who are under constant academic pressure.

Audi nite 2 (24/02/16): This event turned out to be one of the best events of this year. All the performances were really professional and the students liked it a lot.

Spring spree (11/03/16 to 13/03/16): We have conducted two events solo dance and pair dance from our club during spring spree'16. Participants turned up from various institutions all over the country. These events were successfully conducted and cash prizes were awarded for the winners.

DPL(dance premier league) (05/04/16 to 06/04/16): This is an event where all the final years of the club get divided into 5 teams and form their teams by bidding the participants through virtual points given to each team. This event was sponsored by "dominos pizza" and "baskinrobbins".

This is a two day event and these five teams battle in three formats solo, pair and group dances. The team getting the highest points in all the three formats together wins.

Zero gravity (22/04/16 to 24/04/16)
This is an inter branch dance and drama competition. This is a three day event. All the branches compete in five formats solo dance, pair dance, group dance, mad ads and short skit. This is the biggest event of the college which DnD club conducts every year.

Club room renovation: This year we could get our DnD room in sac renovated with extreme support from the dean student welfare Prof. S.V.S.Ramana Reddy and faculty advisor Dr. K. Narasimhulu.

T-shirts distribution: This year we could distribute t-shirts to all the club members of DnD from the club fund itself. All the members of the club were really happy with it.

MUSIC CLUB: Two musical nights were held this academic year. Each of these shows was very successful in terms of preparation and presentation. The first show was held on the inaugural night of TECHNOZION, a technical contest and a flagship contest of NIT Warangal. . It set the proper tone for the rest of the proceedings. The second big event was held in the second semester. An important occurrence is the collaboration between some members of the music club and certain Alumni which took place during the institute's national level cultural competition, SPRINGSPREE. During the Spree, a number of musical programmes were held much to the delight of the youthful audience. There were more than a hundred people auditioning for the vocal contests and a good number turned up for the instrumentals as well. The club would like to go in soon for new and better additional light and sound equipment.

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

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

PAINTING CLUB: Painting club aims at encouraging and enhancing art, discovering new talents and sowing the seed of artistic zest among students. With a group of 40 young, budding artists driven by enthusiasm, and boundless creativity, the club has been reaching new heights since its inception. The Year 2015-2016 was a year of thrilling challenges for the Painting Club. The overwhelming response for CHITR'11 from the art lovers of the campus as well as the townsfolk outside had raised the standards of the club very high from the very first day. The club showed good unity and leadership with an executive strength of 40 members. "SANS BRUSH" competition, painting without brushes, was conducted in the month of October in which 55 teams participated and made it a grand success. "RANGOLI AND MEHANDI COMPETITON" was held on the eve of Diwali. Another major event was the "KITE-MAKING COMPETITION" which turned out to be even more beautiful than last year as colours flared in the sky to given an awesome view.We introduced a new event this year named JIGSAW PUZZLE MAKING COMPETITION. Participants were required to draw and colour any drawing and then cut it into form of a Jigsaw puzzle. During Springspree the club conducted events; where every budding artist helped each other in enhancing their skills. Face Painting, Sand Castles and Soap Carving were the main draws at Spring Spree. In addition, there were three quality workshops held during the spree: GRAFFITI, GLASS PAINTING and CINEMA 4D. Graffiti workshop was conducted by two German artists named Zebster and Loomit which attracted graffiti enthusiasts from all over the state.

SCIENCE AND HOBBIES CLUB: For the year 2015-2016 the Executive of the Science & Hobbies Club was formed in the first week of August, 2015.The Club activity started in the last week of August, 2015 with the first event of "Science Quiz" held on last week of August, 2015. The event was about general science topics and around 180 students participated in the event. In the middle of September "Puzzle Mania" an event on logical and numerical puzzles was conducted. The club conducted "Model making competition" in the last week of February and for this event each team was given material and were asked to make a model and present its theme. It was well-attended. In the first week of March, a workshop on paper carving "Origami" was conducted by the club. During Spring Spree'15 an event "RUMINER" consisting of a series of events including puzzles, math questions and task completion was held. Teams were selected on the basis of an aptitude test for further rounds. The participation by the teams was enthusiastic. The club is planning to bring out a Newsletter this time soon.

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

NATURE CLUB: The Nature Club focused on Mother Earth in its activities this year. Overall, 6 events were held with an Executive consisting of 33 members. Then first event was "Speak for Nature" with a quiz and debate. There was also a mad-ad competition in which 34 teams of two members each took part. In Technozion 15, club members passed on Green Tips to participants. A video on Climate Change was screened and led to active discussion. A model called "Save Nature" was made and displayed near the auditorium. In the second semester, a wildlife quiz was conducted and another event was Eco-Industrial Networking, a case study emphasizing the least amount of carbon foot print left by an industry. The last event was a treasure hunt which attracted 64 teams. Participants cleaned campus and sowed seedlings. The club's newsletter Vasudha was released.

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

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

THE INSTITUTION OF ENGINEERS (INDIA) NITW STUDENTS CHAPTER:
This is a national level Student Chapter which began its activities on the NITW campus in 2015.Even though it is the first year of the club, the Chapter organsied four events .First there was the Inaugural and Aptitude test based on technical knowledge. There was a case study on "Why diesel engines are not used in bikes?". It was followed by a Mock Gate Test and finally another Aptitude test on technical matters brought the activities to a close. Plans are afoot to revive the

Energy Park in association with Nature Club with the objective of producing biogas from waste products on the campus.

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

TECHNOZION-15: Technozion is an annual national level student's technical activity of NIT, Warangal. The 2015-16 edition of this event, Technozion X was held during 30,31stOctober and 1stNovember, 2015. The main objective of this event is to bring students from various engineering colleges across the country on to a single platform where they can share their ideas and showcase their various technical activities. The event is organized entirely by the students. The financial resources for organizing the event are raised by the students through sponsorship and registration fees.

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

Guest lectures by eminent personalities were organized as part of Technozion.A.S.Kiran Kumar - ISRO chairman. Seminar on Digitalisation- its opportunities and Challenges by Subramaniyan Venkataraman, Vice-president, Software Engineering & Technology group, CA Technologies. Vivek Prakash - Co-Founder Of Hacker Earth

In addition to the workshops and guest lectures, several technical events were organized during Technizion. Technical paper presentations, Technical quiz, Jahaaz, a competition on boat making and boat racing, cultural events are ROCK BAND, TVF Show and DJ VARSHA organized. In addition to these events, department level competitions were organized in the individual departments.

SPRING SPREE 2016: Spring Spree 2016 – A National Level Cultural Festival was conducted during March 11-13, 2016. The inaugural of the cultural festival took place on 10th March, 2016 at 1800 hrs. Prof. T. Srinivasa Rao, Director, NIT, Warangal presided over the inaugural function. "KALYANA VAIBHOGAME" team, from Telugu film industry was the Chief Guest of the function. A total of about 600 students from institutes all over India participated in Springspree 2016. A good number of competitions and SALSA, Game Development and IOT workshops were held to bring out the best talent among the students. Many national and international experts were invited to conduct workshops and judge the events. On 11th March, 2016 in addition to the regular events, a highlight was the "ALLURE" a fashion show, for which
Ms.viva Sabarish Kandregula and Shanmukh Kandregula, was the judge.

A workshop on Film Making by Nakama Planet Green Studios on 12thMarch was conducted. A musical night was conducted during which two popular artists from Indian film industry viz., Interactive session on Internet of things(IOT) by iB.

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

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

RECEIPTS	2013-2014	2014-2015	2015-2016
I. Opening 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	225777494	90856377	77201529
---In Deposit Account	0	0	0
---Savings Account (others)	4434856	23831865	29523186
---Fee Bank A/c (Current)	2421046	16080769	3745893
II. Grants Received			
a) From Govt. of India			
---Towards General fund	264000000	265000000	865000000
---Towards Revenu Exp	501000000	650000000	930000000
---L/Yr Receivable	100000000	0	100000000
b) From State Government	0	0	0
c) From Other Sources - GPF	36322994	50685211	49353019
III. Academic Receipts (As per Annexure)	129262976	249959602	370690569
IV. Receipts against Earmarked/Endowment Fund			
---Earmarked Fund	286802330	328277180	330278471
---Endowment Fund	0	1550000	0
V. Receipts against Sponsored Projects/Schemes	62775172	56501961	99874726
VI. Receipts against sponsored Fellowships and			
Scholarships	0	0	0
VII. Income on Investments from			
---Earmarked/Endowment Funds	307830	443469	562310
---Other Investments			
VIII. Interest received on			
---Bank Deposits	30086943	19585860	12567948
---Loan and Advances	0	0	0
---Savings Bank Account	448086	947235	1169203
IX. Investment encashed	0	0	0
X. Term Deposits with Scheduled Bank encashed	672025303	953488412	590322606
XI. Other Income (including PPI)			
---Income from L & B	33400533	45552493	22083204
---Other Income	4013813	26283294	32928380
XII. Deposits & Advances			
---Other Deposits	43981575	22799677	29996430
---Advances Accounts	38016673	34979582	275121798
XIII. Miscellaneous Receipts including Statutory Receipts			
---Statury Liabilities	88760941	106809562	117700898
XIV. Any Other Receipts			
---Purchase Accounts	20861344	107328660	35684644
---Fee Receivable 2012.13	27335000	0	0
---Outstanding Liabilities	7893762	27003635	54049198
---NIT Delhi Receivable	1742255	0	0
	2582522963	**3079511219**	**4028979250**

PAYMENTS	2013-2014	2014-2015	2015-2016
I. Expenses			
a) Establishment Expenses	548032528	643451426	712148275
b) Academic Expenses	139860139	175768415	267844144
c) Administrative Expenses	136059183	129753851	131647109
d) Transportation Expenses	1268666	1381639	1414831
e) Repairs & Maintenance	90580309	147250421	178200550
f) Prior Period Expenses			0
II. Payments made against Earmarked/			
Endowment Fund			
---Earmarked Fund	181212538	230832734	252003509
---Endowment Fund	0	326265	0
---PF Subscription	30397334	46061109	52985082
III. Payments against Sponsored Projects/	181212538		
Schemes	17064635	45834934	48355408
IV.Payments against Sponsored Fellowships/Scholarships			
V. Investments and Deposits made			
a) Out of Earmarked / Endowments Funds	1545000	1550000	0
b) Out of Own funds		0	0
VI. Term Deposits with Scheduled Banks	582663112	862812590	843638376
VII. Expenditure on Fixed Assets and			
Capital Works - in - Progress	121754324	165512732	473895561
a) Fixed Assets			
b) Capital Work-in-Progress			
VIII. Other Payments including Statutory			
Payment			
---Statutory Liabilities	86602918	107935220	118091514
IX. Refunds and Grants		0	0
X. Deposits and Advances			
---Other Deposits	34424745	24868867	19101834
---Advances Accounts	409720272	204097625	702582687
XI. Other Payments			
---Outstanding Liabilities	12204233	7893762	27003635
---Purchases Accounts	55159812	72583783	58479298
---Electricity Deposit	1657829	0	0
---NP Grant Receivable	0	100000000	0
---Fee Receivable 2012-13	0	0	
XII. Closing Balances	12204233	0	
a) Cash in hand			
---Main Cash Book	1225156	804422	1350306
---Petty Cash Book	28330	2927	22494
---Imprest with Departments	292889	317889	340000
---Fee Account (Cash)	0	0	0
	1225156	0	
b) Bank Balances			
---In Current Accounts	76672534	71472644	65702084
---In Deposit Accounts	0	0	5000000
---Savings Account (Others)	38015708	35252071	57846967
---Fees Bank Account (Current A/c)	16080769	3745893	11325586
	2582522963	**3079511219**	**4028979250**

अत्याधुनिक उपकरण
विभिन्न विभागों में
SOPHISTICATED EQUIPMENTS
IN VARIOUS DEPARTMENTS



साइकलिक ट्रिक्सियियल परीक्षण मशीन
CYCLIC TRIAXIAL TESTING MACHINE



प्रेशर एजिंग वेज़ल
PRESSURE AGING VESSEL



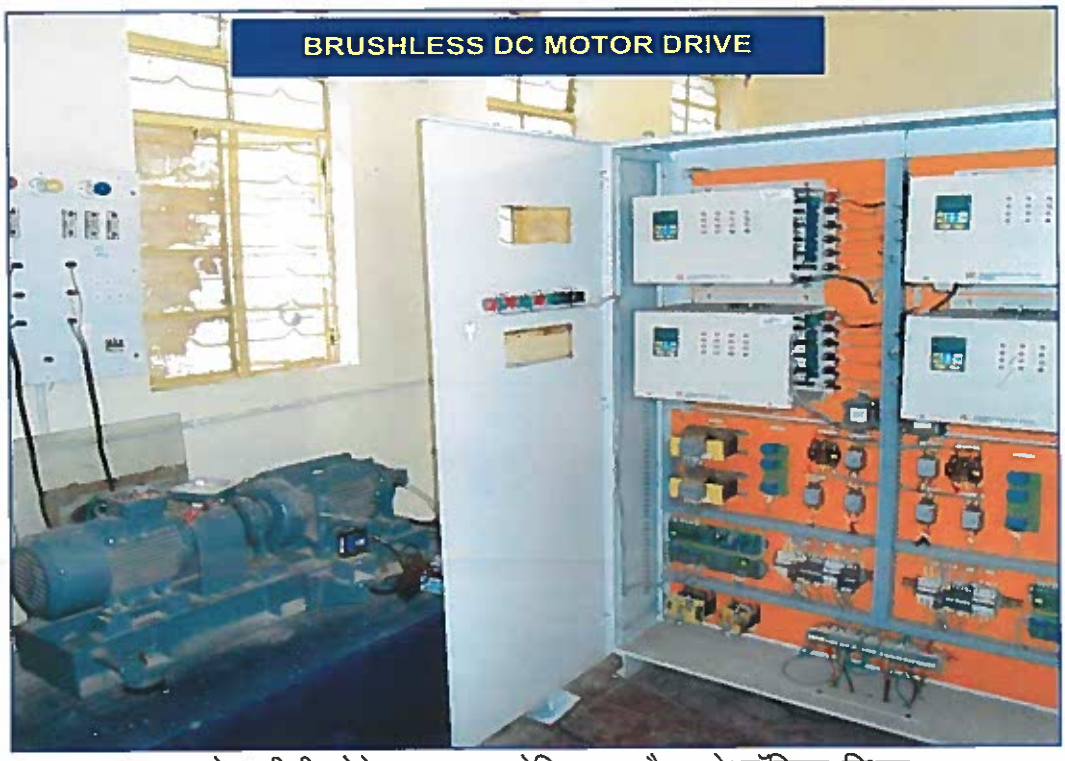
हाइ पर्फार्मेन्स लिक्विड क्रोमेटोग्रफी
HIGH PERFORMANCE LIQUID CHROMATOGRAPHY



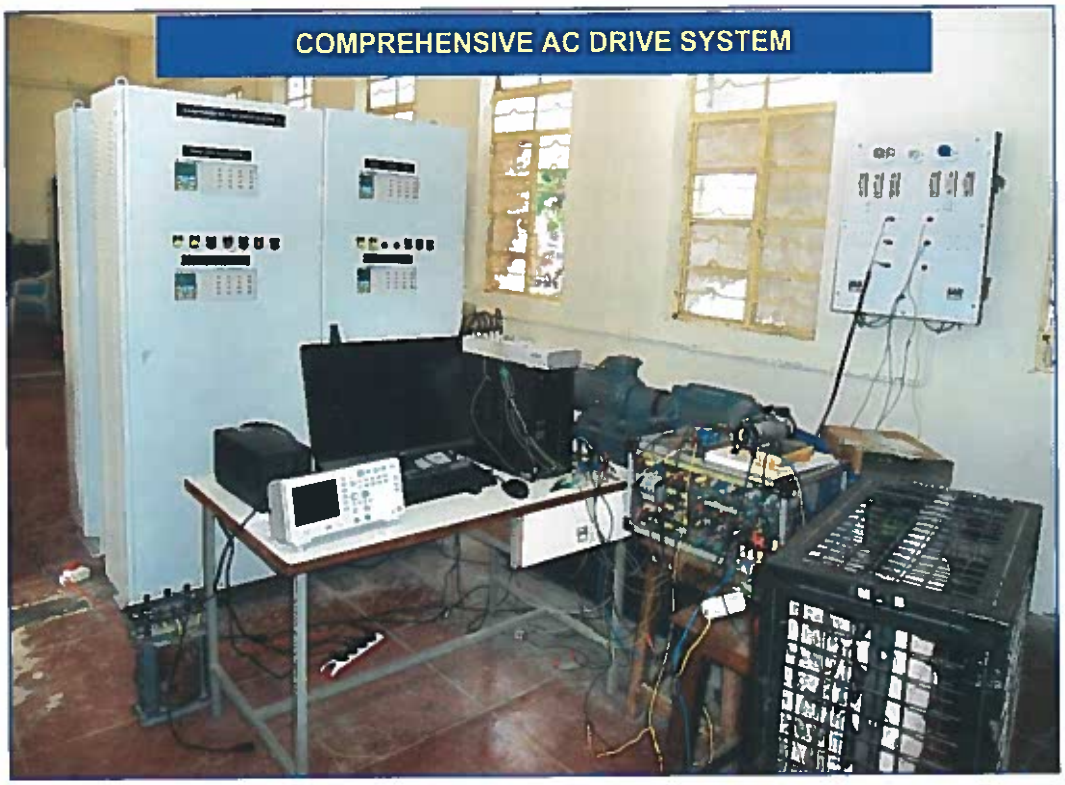
डाइनमिक टेस्टिंग मशीन
DYNAMIC TESTING MACHINE



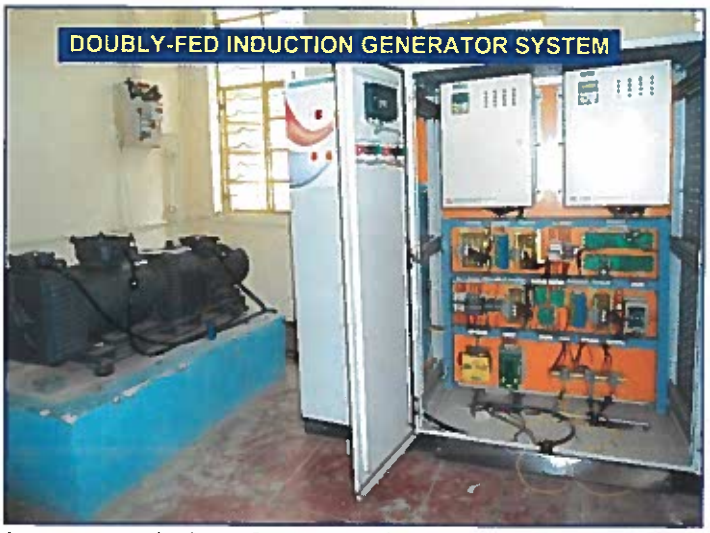
जियोटेक्सटाइल के लिए यूनिवर्सल परीक्षण मशीन
UTM FOR GEOTEXTILE



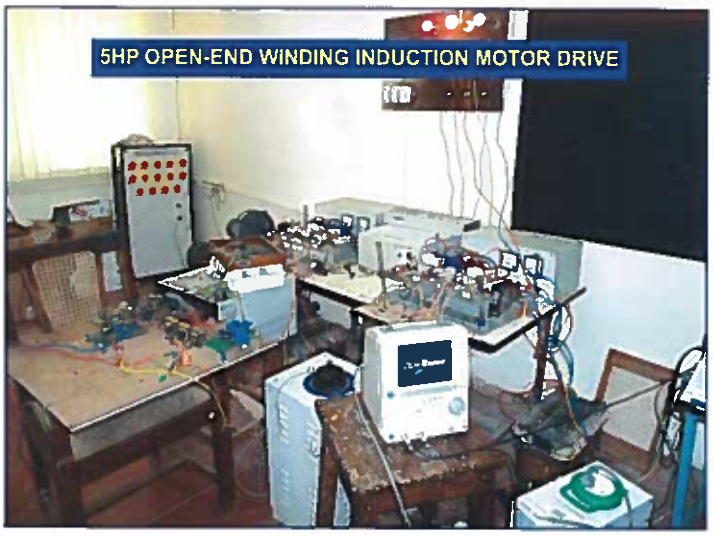
ब्रशलेस डीसी मोटेर ड्राइव - इलेक्ट्रिकल और इलेक्ट्रॉनिक्स विभाग
BRUSHLESS DC MOTER DRIVE - EED



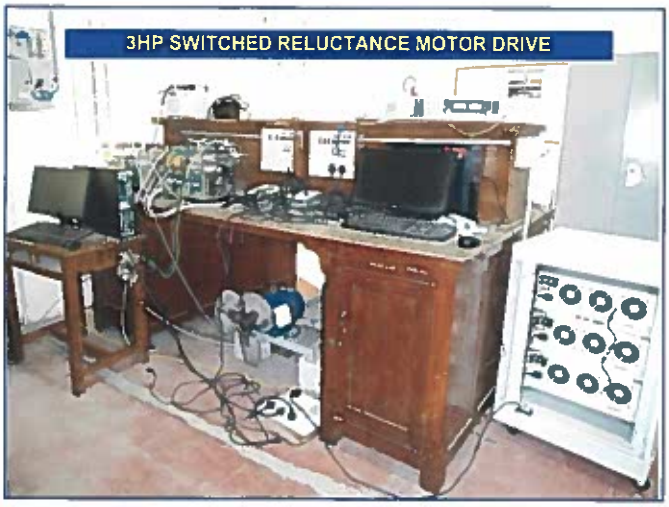
कॉम्प्रेहेन्सिव एसी सिस्टम - इलेक्ट्रिकल और इलेक्ट्रॉनिक्स विभाग
COMPREHENSIVE AC SYSTEM-EED



डब्ली-फेड इंडक्षन जेनरेटर सिस्टम - इलेक्ट्रिकल और इलेक्ट्रॉनिक्स विभाग
DFIG-EED



ओपन-एंड वाइंडिंद इंडक्षन मोटर ड्रइव - इलेक्ट्रिकल और इलेक्ट्रॉनिक्स विभाग
OPEN-END WINDING INDUCTION MOTOR DRIVE - EED



स्विच्ड रिलक्टोन्स मोटर ड्राइव - इलेक्ट्रिकल और इलेक्ट्रॉनिक्स विभाग
SWITCHED RELUCTANCE MOTOR DRIVE - EED

यांत्रिक अभियांत्रिक विभाग - 16
MECHANICAL ENGINEERING DEPARTMENT - 16



एर जेट एरोषन टेसटर
AIR JET EROSION TESTER



CNC लेद ट्रेनार
CNC LATHE TRAINER

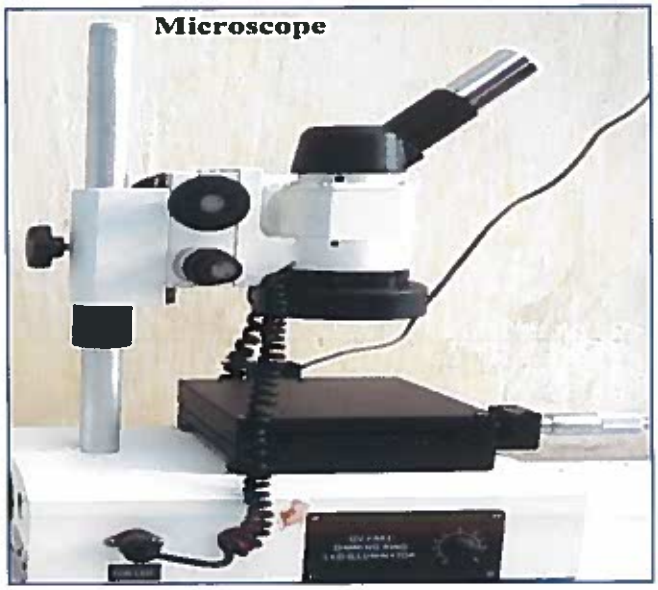


CNC मिल ट्रेनर
CNC MILL TRAINER



फोर बॉल टेसटर
FOUR BALL TESTER

यांत्रिक अभियांत्रिक विभाग - 16
MECHANICAL ENGINEERING DEPARTMENT - 16



माइक्रोस्कोप
MICROSCOPE



पिन ऑन डिस्क फ्रिक्षन आंड वेअर टेस्ट रीघ
PIN ON DISC FRICTION AND WEAR TEST RIG



वेयिंग बॅलेन्स
WEIGHING BALANCE

PART - II

ANNUAL ACCOUNTS AND AUDIT REPORT

2015 - 2016

SIGNIFICANT ACCOUNTING POLICIES AND NOTES 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.**2471.12 lacs** in respect of Instructional Buildings and Hostel Buildings.

04. **Depreciation:** Depreciation has not been provided in the books of accounts. As and when asset is declared as unserviceable / obsolete, after obtaining the order of the competent authority and after following the prescribed procedure, action is taken to write off the value of such assets in the annual accounts.

05. **Inventories:** Cement, Central Stores, Steel and FDD's are valued at cost. Physical verification is to be conducted once in two years except in the case of Library Books / Volumes. In respect of Library Books this item of work is carried out at intervals of not more than 5 years, as the collections in the Central Library are more than 2,00,000 volumes which includes Books, Back Volumes, Technical Pamphlets, Standards, CD ROMs, Video Cassettes etc.,

06. **Investments:** The Institute invests Provident Fund money in Public Sectors banks, as per the pattern of Investment communicated by the Government of India. The Institute also invests money available out of the Plan grants not required for immediate use and also other funds in Short Term Deposit Account with the Nationalized Banks with a view to earn interest to generate internal revenue. The revenue is accounted on accrual basis.

07. **Capital / Revenue Expenditures:** The Institute follows the provisions of General Financial Rules and other orders issued by the Government of India from time to time.

08. **Land:**
    a) Land purchased by the Andhra Pradesh State Government and handed over to National Institute of Technology, Warangal: 248.0 Acres.
    b) A.P. Tourism Development has handed over the Land and Building to the Institute on 30-06-2007. The value of the Building not exhibited in the Main Accounts and it is yet to be valued.
    c) Land leased to APSEB for erection of 33/11 KV Sub-Station (4000 Sqm.) 0.988 Acres.
    d) Land leased to Tele-Communication Department for construction of Telephone Exchange for 30 years from 10-06-1982 (1446 Sqmts): 0.357 Acres.
    e) Land leased to Software Technology Park of India 1.981 Acres.
    f) Land measuring 1255 Sq.mtrs (0.310 Acres) leased to State Bank of Hyderabad, Warangal NIT Branch.
    g) Land 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 2016-17

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

NATIONAL INSTITUTEOF TECHNOLOGY, WARANGAL			
CONSOLIDATED BALANCE SHEET AS AT 31-03-2016			
		(Amount in Rupees)	
SOURCES OF FUNDS	**SCHEDULE**	**Current Year**	**Previous Year**
Corpus / Capital Fund	1	5535417873	4581403073
Designated / Earmarked / Endowment Funds	2	702700094	614762822
Current Liabilities & Provisions	3	262401845	182434766
TOTAL	0	**6500519812**	**5378600661**
APPLICATION OF FUNDS			
Fixed Assets	4		
-- Tangible Assets		2914740098	2449223489
-- Intangible Assets		23720299	15341347
-- Capital Work in progress		1199996302	1199996302
Investments	5		
-- Long Term		0	0
-- Short Term		451805138	369138683
Investments – Others	6	0	0
Current Assets	7	675812317	537314289
Loans, Advanes & Deposits	8	1234445658	807586551
TOTAL		**6500519812**	**5378600661**
Significant Accounting Policies	23		
Contingent Liabilities and Notes to Accounts	24		

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2016

SCHEDULE 1- CORPUS FUND / CAPITAL FUND	COLLEGE	TEQIP-1	TEQIP-2	TEQIP-2COE	RESEARCH	PF	TOTAL
Balance as at the beginning of the year	4130270253	172452051	62955092	18275587	5763870	191686220	4581403073
Add: Contributions towards Corpus / Capital Fund	840000000	0	25000000	0	0	64920389	929920389
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	0	0	0	0	0	0	0
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	74593807	0	0	749857	4772527	64301	80180492
	5044864060	172452051	87955092	19025444	10536397	256670910	5591503954
Ded: Deficit of In cover over Expenditure transferred from Income & Expenditure Account & PF Withdrawal	0	0	3100999	0	0	52985082	56086081
Balance at the year end	5044864060	172452051	84854093	19025444	10536397	203685828	5535417873

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	29447950	0	0	0	0	0	29447950
--- Hostel Caution Money Deposit	446664	0	0	0	0	0	446664
--- NIT Co-operative Stores Deposit	2076184	0	0	0	0	0	2076184
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	47815924	770	601610	0	26301	0	48444605
--- Other Deposit	2147988	0	0	0	0	0	2147988
--- 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	-232762	0	0	0	0	0	-232762
--- Profession Tax	178207	0	0	0	-125666	0	52541
--- Income Tax	67333	0	0	0	113000	0	180333
--- LIC (SSS)	5	0	0	0	0	0	5
--- GLIS	1785	0	0	0	0	0	1785
--- 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	357531	0	0	0	0	0	357531
--- Seignorage Charges	281409	0	0	0	0	0	281409
--- 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	109628681	0	109628681
c) Recpt against sponsored fellowships & scholarships	0	0	0	0	0	0	0
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	54049198	0	0	0	0	0	54049198
TOTAL (A)	**152157149**	**770**	**601610**	**0**	**109642316**	**0**	**262401845**
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)	**152157149**	**770**	**601610**	**0**	**109642316**	**0**	**262401845**

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	1698304332	14702290	0	0	0	0	1713006622
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	45824308	11588815	0	0	161700922
Scientific & Laboratory Equipment	788729956	0	0	0	0	0	788729956
Office Equipment	0	8424982	0	0	0	0	8424982
Audio Visual Equipment	0	0	0	0	0	0	0
Computers & Peripherals	30007320	11740161	0	0	0	0	41747481
Furniture, Fixtures & Fittings	96802453	5305346	1200821	0	0	0	103308620
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)	2678094323	172452821	52604139	11588815	0	0	2914740098
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	23720299	0	0	0	0	0	23720299
Patents	0	0	0	0	0	0	0
Total (C)	23720299	0	0	0	0	0	23720299
Grand Total(A+B+C)	3901810924	172452821	52604139	11588815	0	0	4138456699
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	451805138	0	0	0	0	0	451805138
7. Others (to be specified)	0	0	0	0	0	0	0
TOTAL	451805138	0	0	0	0	0	451805138
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	7543573	0	0	0	0	0	7543573
--- FDD's	16043875	0	0	0	0	0	16043875
--- Fee Receivable	0	0	0	0	0	0	0
--- Plan Grant and Non Plan Grant Receivable	0	0	0	0	0	0	0
3. Cash and Bank Balances							
a) Cash Balance in hand(Incl cheques / drafts and Imprest)							
- Main Cash Balance	1350306	0	0	0	0	0	1350306
- Petty Cash Balance	22494	0	0	0	0	0	22494
- Imprest with department	340000	0	0	0	0	0	340000
b) With Scheduled Banks:							
- In Current Accounts	69239477	0	5351564	2436629	30733701	0	107761371
- In Term Deposit Accounts - STDR	243496061	0	27500000	5000000	61878159	177662080	515536300
- In Savings Accounts	1089518	0	0	0	0	26023748	27113266

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	339226436	0	32851564	7436629	92611860	203685828	675812317
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	264150	0	0	0	0	0	264150
c) LTC	1210520	0	0	0	0	0	1210520
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	25799755	0	25799755
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	1194508047	0	0	0	0	0	1194508047
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	149735	0	0	0	1767098	0	1916833
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	1206878805	0	0	0	27566853	0	1234445658

NATIONAL INSTITUTEOF TECHNOLOGY, WARANGAL			
CONSOLIDATED INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31st MARCH 2016			
SOURCES OF FUNDS	**SCHEDULE**	**Current Year**	**Previous Year**
Academic Receipts	9	347949689	249959602
Garnts / Subsidies	10	930000000	650000000
Income from Investments	11	28199619	34535763
Interest Earned	12	0	0
Other Income	13	77752464	71922548
Prior Period Income	14	0	0
TOTAL (A)		**1383901772**	**1006417913**
EXPENDITURE			
Staff Payments & Benefits (Establishment Expenses)	15	712148275	643451426
Academic Expenses	16	267844144	175768415
Administrative and General Exp	17	147200479	144109728
Transportation expenses	18	1414831	1381639
Reparis & Maintenance	19	178200550	147250421
Finance Cost	20	0	0
Depreciation	4	0	0
Other Expenses	21	14000	43904
Prior Period Expenses	22	0	0
TOTAL (B)		**1306822279**	**1112005533**
Balance being excess of Income over Expenditure (A-B)		77079493	-105587620
Transfer to / from Designated Fund		0	0
Building Fund		0	0
Others if Any		0	0
Balance being surplus (Deficit) carried to General Fund		**77079493**	**-105587620**
Notes on Accounts	22		

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL							
SCHEDULES FORMING PART OF CONSOLIDATED INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR 2015-16							
SCHEDULE 9- ACADEMIC RECEIPTS							
FEE FROM STUDENTS	COLLEGE	TEQIP-1	TEQIP-2	TEQIP-2COE	RESEARCH	PF	TOTAL
A. Academic							
1.Tution fee	345425227	0	0	0	0	0	345425227
2. Admission fee	1714500	0	0	0	0	0	1714500
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)	347139727	0	0	0	0	0	347139727
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	170900	0	0	0	0	0	170900
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)	170900	0	0	0	0	0	170900
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	639062	0	0	0	0	0	639062
TOTAL (D)	639062	0	0	0	0	0	639062
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)	347949689	0	0	0	0	0	347949689

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	930000000	0	0	0	0	0	930000000
Total	930000000	0	0	0	0	0	930000000
Less: Refunded to UGC	0	0	0	0	0	0	0
Balance	930000000	0	0	0	0	0	930000000
Less: Utilized for Capital Expenditure (A)	0	0	0	0	0	0	0
Balance	930000000	0	0	0	0	0	930000000
Less: Utilized for Revenue Expenditure (B)	930000000	0	0	0	0	0	930000000
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	6223945	0	289390	1268086	4786527	15631671	28199619
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
4. Others (Specify)	0	0	0	0	0	0	0
TOTAL	6223945	0	289390	1268086	4786527	15631671	28199619
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	20528400	0	0	0	0	0	20528400
2. License fee	1280454	0	0	0	0	0	1280454
3. Hire Charges of Auditorium/Play	274350	0	0	0	0	0	274350

ground/Convention Centre,etc.							
4. Electricity Charges recovered	22643304	0	0	0	0	0	22643304
5. Water Charges recovered	97576	0	0	0	0	0	97576
Total (A)	**44824084**	**0**	**0**	**0**	**0**	**0**	**44824084**
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.)	32928380	0	0	0	0	0	32928380
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	0	0	0
TOTAL(H)	**32928380**	**0**	**0**	**0**	**0**	**0**	**32928380**
GRAND TOTAL (A+B+C+D+E+F+G+H)	**77752464**	**0**	**0**	**0**	**0**	**0**	**77752464**
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**

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL							
SCHEDULES FORMING PART OF CONSOLIDATED INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR 2015-16							
SCHEDULE 15- STAFF PAYMENTS & BENEFITS	**COLLEGE**	**TEQIP-1**	**TEQIP-2**	**TEQIP-2COE**	**RESEARCH**	**PF**	**TOTAL**
a) Salaries and Wages	452085927	0	849618	270427	0	0	453205972
b) Allowances and Bonus - Bonus for Non Teaching Staff	932580	0	0	0	0	0	932580
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	4834273	0	0	0	0	0	4834273
f) Retirement and Terminal Benefits	208467009	0	0	0	0	0	208467009
g) LTC facility	3274714	0	0	0	0	0	3274714
h) Medical facility	6746426	0	0	0	0	0	6746426
i) Children Education Allowance	7041077	0	0	0	0	0	7041077
j) Honorarium	0	0	0	0	0	0	0
k) Others (Specify)	0	0	0	0	0	0	0
--- Amenities to Staff & Students	446533	0	0	0	0	0	446533
--- Daily wage / consolidated / Outsourcing charges	27199691	0	0	0	0	0	27199691
TOTAL	**711028230**	**0**	**849618**	**270427**	**0**	**0**	**712148275**
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	6789520	0	0	0	0	0	6789520
d) Payment to Visiting Faculty - Contingency for Spl Faculty & Allowances	31370040	0	0	0	0	0	31370040
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	0	0	0	0	0	0	0
i) Publications	0	0	0	0	0	0	0
j) Stipend/ means-cum-merit scholarship	221699162	0	0	0	0	0	221699162
k) Subscription expenses	0	0	0	0	0	0	0
l) Others (Specify)	0	0	0	0	0	0	0
--- Professional Development Allowance	7985422	0	0	0	0	0	7985422
TOTAL	**267844144**		**0**	**0**	**0**	**0**	**267844144**
SCHEDULE 17- ADMINISTRATIVE AND GENERAL EXPENSES	**COLLEGE**	**TEQIP-1**	**TEQIP-2**	**TEQIP-2COE**	**RESEARCH**	**PF**	**TOTAL**
A. Infrastructure							
a) Electricity and Power	64362770	0	0	0	0	0	64362770

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)	781057	0	0	0	0	0	781057
B. Communication	0	0	0	0	0	0	0
e) Postage and telegram	0	0	0	0	0	0	0
f) Telephone, Fax and Internet Charges	10079098	0	0	0	0	0	10079098
C. Others	0	0	0	0	0	0	0
g) Printing and Stationary (Consumption)	2763942	0	0	0	0	0	2763942
h) Travelling and Conveyance Expenses	8363897	0	0	0	0	0	8363897
i) Hospitality	0	0	0	0	0	0	0
j) Auditor's Remuneration	901185	0	0	0	0	0	901185
k) Professional Charges - Legal Charges	6402504	0	0	0	0	0	6402504
Balance C/d	93654453	0	0	0	0	0	93654453
Balance B/d	93654453	0	0	0	0	0	93654453
l) Advertisement and Publicity	2824883	0	0	0	0	0	2824883
m) Magazines and Journals	0	0	0	0	0	0	0
n) Others (Specify)	0	0	0	0	0	0	0
--- DOC - Contingent Expenses	9410591	0	0	0	0	0	9410591
--- Security Staff Salaries (Temporary Staff)	15113411	0	0	0	0	0	15113411
--- Conservancy Charges	46534	0	0	0	0	0	46534
--- Guest House Charges	991060	0	0	0	0	0	991060
--- Other Miscellaneous Expenses	6803604	0	2540771	247802	0	0	9592177
--- Interest on Provident Fund	0	0	0	0	0	15567370	15567370
TOTAL	128844536	0	2540771	247802	0	15567370	147200479
SCHEDULE 18- TRANSPORTATION EXPENSES	COLLEGE	TEQIP-1	TEQIP-2	TEQIP-2COE	RESEARCH	PF	TOTAL
1. Vehicles (owned by educational institution)							
a) Running Expenses	1344307	0	0	0	0	0	1344307
b) Repairs and Maintenance	0	0	0	0	0	0	0
c) Insurance Expenses	70524	0	0	0	0	0	70524
2. Vehicles taken on Rent/ Lease	0						
a)Rent/ Lease Expenses	0	0	0	0	0	0	0
3. Vehicle (Taxi) hiring expenses	0	0	0	0	0	0	0
TOTAL	1414831	0	0	0	0	0	1414831
SCHEDULE 19- REPAIRS AND MAINTENANCE	COLLEGE	TEQIP-1	TEQIP-2	TEQIP-2COE	RESEARCH	PF	TOTAL
a) Building	177662806	0	0	0	0	0	177662806
b) Furniture's and Fixtures	0	0	0	0	0	0	0
c) Plant and Machinery	0	0	0	0	0	0	0
d) Office Equipment	537744	0	0	0	0	0	537744
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	**178200550**	**0**	**0**	**0**	**0**	**0**	**178200550**
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	14000	0	14000
TOTAL	**0**	**0**	**0**	**0**	**14000**	**0**	**14000**
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
TOTAL	**0**	**0**	**0**	**0**	**0**	**0**	**0**

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL					
CONSOLIDATED RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31-03-2016					
				(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	712148275	643451426
--- Main Cash Book	804422	1225156	b) Academic Expenses	267844144	175768415
--- Petty Cash Book	2927	28330	c) Administrative Expenses	131647109	129753851
--- Imprest with Departments	317889	292889	d) Transportation Expenses	1414831	1381639
--- Fee Account (Cash)	0	0	e) Repairs & Maintenance	178200550	147250421
			f) Prior Period Expenses	0	0
b) Bank Balances					
--- In Current Accounts	77201529	90856377	**II. Payments made against Earmarked / Endowment Funds**		
--- In Deposit Accounts	0	0	--- Earmarked Fund	252003509	230832734
--- Savings Account (others)	29523186	23831865	--- Endowment Fund	0	326265
--- Fee Bank A/c(Current)	3745893	16080769	--- PF Subscription	52985082	46061109
			III. Payments against Sponsored Projects / Schemes	48355408	45834934
II. Grants Received			**IV. Payments against Sponsored Felllowships / Scholarships**	0	0
a) From Govt. of India					
--- Towards General Fund	865000000	265000000	**V. Investments and Deposits made**		
--- Towards Revenue Exp	930000000	650000000	a) Out of Earmarked / Endowments funds	0	1550000
--- L/Yr Receivable	100000000	0	b) Out of Own funds	0	0
b) From State Government	0	0			
c) From Other Sources - GPF	49353019	50685211	**VI. Term Deposits with Scheduled Banks**	843638376	862812590
III. Academic Receipts (As per Annexure)	370690569	249959602	**VII. Expenditure on Fixed Assets and Capital Works - in - Progress**		
			a) Fixed Assets	473895561	165512732
IV. Receipts against Earmarked / Endowment Fund			b) Capital Work - in - Progress	0	0
--- Earmarked Fund	330278471	328277180			
--- Endowment Fund	0	1550000			

V. Receipts against Sponsored Projects / Schemes	99874726	56501961	**VIII. Other Payments including statutory payments**		
			--- Statutory Liabilities	118091514	107935220
VI. Receipts against Sponsored Fellowships and Scholarships	0	0			
			IX. Refunds and Grants	0	0
VII. Income on Investments from					
--- Earmarked / Endowment Funds	562310	443469	**X. Deposits and Advances**		
--- Other Investments	0	0	--- Other Deposits	19101834	24868867
			--- Advances Accounts	702582687	204097625
VIII. Interest received on					
--- Bank Deposits	12567948	19585860	**XI. Other Payments**		
--- Loand and Advances	0	0			
--- Savings Bank Account	1169203	947235	--- Outstanding Liabilities	27003635	7893762
			--- Purchases Accounts	58479298	72583783
IX. Investment encashed	0	0	--- Electricity Deposit	0	0
			--- NP Grant Receivable	0	100000000
X. Term Deposits with Scheduled Banks encashed	590322606	953488412			
XI. Other Income (including PPI)					
--- Income from L & B	22083204	45552493			
--- Other Income	32928380	26283294			
XII. Deposits & Advances			**XII. Closing Balances**		
--- Other Deposits	29996430	22799677	a) Cash in hand		
--- Advances Accounts	275121798	34979582	--- Main Cash Book	1350306	804422
			--- Petty Cash Book	22494	2927
XIII. Miscelleneous Receipts including Statutory Receipts			--- Imprest with Departments	340000	317889
--- Statutory Liabilities	117700898	106809562	--- Fee Account (Cash)	0	0
XIV. Any Other Receipts			**b) Bank Balances**		
--- Purchase Accounts	35684644	107328660	--- In Current Accounts	65702084	71472644
--- Fee Receivable 2012-13	0	0	--- In Deposit Accounts	5000000	0
--- Outstanding Liabilities	54049198	27003635	--- Savings Account (Others)	57846967	35252071
--- NIT Delhi Receivable	0	0	--- Fees Bank account (Current a/c)	11325586	3745893
	4028979250	**3079511219**		**4028979250**	**3079511219**

NATIONAL INSTITUTEOF TECHNOLOGY, WARANGAL			
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31st MARCH 2016			
SOURCES OF FUNDS	**SCHEDULE**	**General Fund**	**Previous Year**
Academic Receipts	9	347949689	249959602
Garnts / Subsidies	10	930000000	650000000
Income from Investments	11	6223945	13728710
Interest Earned	12	0	0
Other Income	13	77752464	70750028
Prior Period Income	14	0	0
TOTAL (A)		**1361926098**	**984438340**
EXPENDITURE			
Staff Payments & Benefits (Establishment Expenses)	15	711028230	641758574
Academic Expenses	16	267844144	175768415
Administrative and General Exp	17	128844536	110611680
Transportation expenses	18	1414831	1381639
Reparis & Maintenance	19	178200550	147250421
Finance Cost	20	0	0
Depreciation	4	0	0
Other Expenses	21	0	0
Prior Period Expenses	22	0	0
TOTAL (B)		**1287332291**	**1076770729**
Balance being excess of Income over Expenditure (A-B)		74593807	-92332389
Transfer to / from Designated Fund		0	0
Building Fund		0	0
Others if Any		0	0
Balance being surplus (Deficit) carried to General Fund		**74593807**	**-92332389**
Notes on Accounts	22		

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL					
RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31-03-2016					
				(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	711028230	641758574
--- Main Cash Book	804422	1225156	b) Academic Expenses	267844144	175768415
--- Petty Cash Book	2927	28330	c) Administrative Expenses	128844536	110611680
--- Imprest with Departments	317889	292889	d) Transportation Expenses	1414831	1381639
--- Fee Account (Cash)	0	0	e) Repairs & Maintenance	178200550	147250421
			f) Prior Period Expenses	0	0
b) Bank Balances					
--- In Current Accounts	49698544	38806470	**II. Payments made against Earmarked / Endowment Funds**		
--- In Deposit Accounts	0	0	--- Earmarked Fund	252003509	230832734
--- Savings Account (others)	1036578	916469	--- Endowment Fund	0	326265
--- Fee Bank A/c(Current)	3745893	16080769	**III. Payments against Sponsored Projects / Schemes**	0	1000
II. Grants Received			**IV. Payments against Sponsored Felllowships / Scholarships**	0	0
a) From Govt. of India					
--- Towards General Fund	840000000	250000000	**V. Investments and Deposits made**		
--- Towards Revenue Exp	930000000	650000000	a) Out of Earmarked / Endowments funds	0	1550000
--- L/Yr Receivable	100000000	0	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**	760078433	810934431
III. Academic Receipts (As per Annexure)	370690569	249959602	**VII. Expenditure on Fixed Assets and Capital Works - In - Progress**		
			a) Fixed Assets	469925796	153784866
IV. Receipts against Earmarked / Endowment Fund			b) Capital Work - in - Progress	0	0
--- Earmarked Fund	330278471	328277180			
--- Endowment Fund	0	1550000			
V. Receipts against Sponsored Projects / Schemes	0	0	**VIII. Other Payments including statutory payments**		
			--- Statutory Liabilities	117745354	107935220
VI. Receipts against Sponsored Fellowships and Scholarships	0	0			
			IX. Refunds and Grants	0	0

VII. Income on Investments from					
--- Earmarked / Endowment Funds	562310	443469	**X. Deposits and Advances**		
--- Other Investments	0	0	--- Other Deposits	17831409	18379602
			--- Advances Accounts	673709332	202251375
VIII. Interest received on					
--- Bank Deposits	6223945	13728710	**XI. Other Payments**		
--- Loand and Advances	0	0			
--- Savings Bank Account	0	0	--- Outstanding Liabilities	27003635	7893762
			--- Purchases Accounts	58479298	72583783
IX. Investment encashed	0	0	--- Electricity Deposit	0	0
			--- NP Grant Receivable	0	100000000
X. Term Deposits with Scheduled Banks encashed	544262663	923488412			
XI. Other Income (including PPI)					
--- Income from L & B	22083204	45552493			
--- Other Income	32928380	25197535			
XII. Deposits & Advances			**XII. Closing Balances**		
--- Other Deposits	27374494	20880160	a) Cash in hand		
--- Advances Accounts	268862473	31483530	--- Main Cash Book	1350306	804422
			--- Petty Cash Book	22494	2927
XIII. Miscelleneous Receipts including Statutory Receipts			--- Imprest with Departments	340000	317889
--- Statutory Liabilities	117544248	106606551	--- Fee Account (Cash)	0	0
XIV. Any Other Receipts			**b) Bank Balances**		
--- Purchase Accounts	35684644	107328660	--- In Current Accounts	57913891	49698544
--- Fee Receivable 2012-13	0	0	--- In Deposit Accounts	0	0
--- Outstanding Liabilities	54049198	27003635	--- Savings Account (Others)	1089518	1036578
--- NIT Delhi Receivable	0	0	--- Fees Bank account (Current a/c)	11325586	3745893
	3736150852	**2838850020**		**3736150852**	**2838850020**

NATIONAL INSTITUTEOF TECHNOLOGY, WARANGAL			
TEQIP - II CoE - SUSTAINABLE ENERGY STUDIES			
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31st MARCH 2016			
SOURCES OF FUNDS	**SCHEDULE**	**Current Year**	**Previous Year**
Academic Receipts	9	0	0
Garnts / Subsidies	10	0	0
Income from Investments	11	1268086	0
Interest Earned	12	0	0
Other Income	13	0	0
Prior Period Income	14	0	0
TOTAL (A)		**1268086**	**0**
EXPENDITURE			
Staff Payments & Benefits (Establishment Expenses)	15	270427	192394
Academic Expenses	16	0	0
Administrative and General Exp	17	247802	1833500
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)		**518229**	**2025894**
Balance being excess of Income over Expenditure (A-B)		749857	-2025894
Transfer to / from Designated Fund		0	0
Building Fund		0	0
Others if Any		0	0
Balance being surplus (Deficit) carried to General Fund		**749857**	**-2025894**
Notes on Accounts	22		

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL

TEQIP - II CoE - SUSTAINABLE ENERGY STUDIES

RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31-03-2016

(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	270427	192394
b) Bank Balances			b) Academic Expenses	0	0
--- SBH NITW Current A/c	10810907	20721481	c) Administrative Expenses	247802	1833500
			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 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	0
VIII. Interest received on			**VII. Expenditure on Fixed Assets and Capital Works - in - Progress**		
--- Bank Deposits	1268086	0	a) Fixed Assets	3959135	7629680
--- 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	165000	255000
--- Other Income					
-- Sale of Tender Schedules	0	0			
XII. Deposits & Advances					
--- EMD / Bid Security	0	0	**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	2436629	10810907
			--- SBH NITW FD A/c	5000000	0
	12078993	20721481		12078993	20721481

NATIONAL INSTITUTEOF TECHNOLOGY, WARANGAL			
TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME - II			
BALANCE SHEET AS AT 31-03-2016			
			(Amount in Rupees)
SOURCES OF FUNDS	**SCHEDULE**	**Current Year**	**Previous Year**
Corpus / Capital Fund	1	84854093	62955092
Designated / Earmarked / Endowment Funds	2	0	0
Current Liabilities & Provisions	3	601610	601610
TOTAL	0	85455703	63556702
APPLICATION OF FUNDS			
Fixed Assets	4		
-- Tangible Assets		52604139	52593509
-- Intangible Assets		0	0
-- Capital Work in progress		0	0
Investments	5		
-- Long Term		0	0
-- Short Term		0	0
Investments - Others	6	0	0
Current Assets	7	32851564	10963193
Loans, Advanes & Deposits	8	0	0
TOTAL		85455703	63556702
Significant Accounting Policies	23		
Contingent Liabilities and Notes to Accounts	24		

NATIONAL INSTITUTEOF TECHNOLOGY, WARANGAL			
TECHNICAL EDUCTION QUALITY IMPROVEMENT PROGRAMME - II			
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31st MARCH 2016			
SOURCES OF FUNDS	**SCHEDULE**	**Current Year**	**Previous Year**
Academic Receipts	9	0	0
Grants / Subsidies	10	0	0
Income from Investments	11	289390	136137
Interest Earned	12	0	0
Other Income	13	0	1085759
Prior Period Income	14	0	0
TOTAL (A)		**289390**	**1221896**
EXPENDITURE			
Staff Payments & Benefits (Establishment Expenses)	15	849618	1500458
Academic Expenses	16	0	0
Administrative and General Exp	17	2540771	17264642
Transportation expenses	18	0	0
Repairs & 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)		**3390389**	**18765100**
Balance being excess of Income over Expenditure (A-B)		-3100999	-17543204
Transfer to / from Designated Fund		0	0
Building Fund		0	0
Others if Any		0	0
Balance being surplus (Deficit) carried to General Fund		**-3100999**	**-17543204**
Notes on Accounts	22		

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL

TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME - II

RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31-03-2016

(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	849618	1500458
b) Bank Balances			b) Academic Expenses	0	0
--- SBH NITW Current A/c	10963193	17144583	c) Administrative Expenses	2540771	17264642
			d) Transportation Expenses	0	0
II. Grants Received			e) Repairs & Maintenance	0	0
a) GOI - MHRD Grants	25000000	15000000	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**	32500000	0
VIII. Interest received on			**VII. Expenditure on Fixed Assets and Capital Works - In - Progress**		
--- Bank Deposits	289390	136137	a) Fixed Assets	10630	4098186
--- 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	5000000	0	**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	0
--- Other Income			--- Advances Accounts	2480960	0
-- Sale of Tender Schedule	0	0	--- COE	0	0
-- Training / Regn Fee Coll	0	1085759			
			XI. Other Payments	0	0
XII. Deposits & Advances			**XII. Closing Balances**		
--- EMD	0	0	a) Cash in hand		0
--- Advances Accounts	2480960	460000	b) Bank Balances		
--- COE	0	0	--- SBH NITW Current A/c	5351564	10963193
XIII. Miscelleneous Receipts including Statutory Receipts	0	0			
XIV. Any Other Receipts	0	0			
	43733543	**33826479**		**43733543**	**33826479**

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL
PROVIDENT FUND ACCOUNT
RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31-03-2016

(Amount in Rupees)

RECEIPTS	Current Year	Previous Year	PAYMENTS	Current Year	Previous Year
Opening Balances:			GPF Advance / Withdrawn	22250700	23777168
a) Cash in hand	0	0			
b) Bank Balances			CPF Advance / Withdrawn	0	0
--- SBH SB Account	28486608	22915396			
			NPS Tier - II	15504194	11141970
G P F Subscription	26098559	25175738			
			University Contribution Withdrawl	15230188	11141971
C P F Contribution	0	0			
			Term Deposits with Scheduled Banks	41059943	0
C P F University Contribution(NPS)	11627759	12755184			
			Bank Charges	0	125
NPS Tier II Account	11626701	12754289			
			Closing Balances		
Term Deposits with Scheduled Banks encashed	41059943	0	a) Cash in hand	0	0
			b) Bank Balances		
Interest Received			--- SBH SB Account	26023748	28486608
a) Interest on STDR's	0	0			
b) Interest on SB Account	1169203	947235			
	120068773	74547842		120068773	74547842

INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31/03/2016

(Amount in Rupees)

EXPENDITURE	Current Year	Previous Year	INCOME	Current Year	Previous Year
Interest credited to			Interest Earned on Investements inclu-	1169203	947235
--- GPF Account	15567370	14399906	ding Savings Bank Account		
			Add: Interest accrued on 03/2016	14462468	14002668
--- CPF Account	0	0			
			Add: Tax recovered on Interest -Refund	0	0
--- University Contribution (NPS)	0	0	to be obtained		
--- NPS Tier - II Account	0	0	Less: Interest accrued for 03/2015	0	0
Excess of Income over Expenditure	64301	549997	Excess of Expenditure over Income	0	0
	15631671	14949903		15631671	14949903

BALANCE SHEET AS AT MARCH 31, 2016

(Amount in Rupees)

LIABILITIES	Current Year	Previous Year	ASSETS	Current Year	Previous Year
GPF:			**Investments**	105300000	105300000
Opening Balance	182076797	166278446			
Less: Subscription for March 2015	0	0	**Interest accrued as on 31.03.2016**	72362080	57899612
Add: Subscriptions in the year	26098559	25175738			
Add: Subscriptions for March 2016	0	0	**Subscription Due for March, 2016**		
Add Interest Credited	15567370	14399906	--- GPF	0	0
Less: Advance / withdrawl	-22250700	-23777293	--- CPF	0	0
Closing Balance	201492026	182076797	--- UC due to CPF	0	0
			--- NPS - II	0	0
CPF:					
Opening Balance	0	0	Tax recovered from interest on investme-	0	0
Less: Subscription for March 2015	0	0	nts pending refund from Income tax dept		
Add: Subscriptions in the year	0	0			
Add: Subscriptions for March 2016	0	0	**Cash at Bank**		
Add Interest Credited	0	0	--- SBH SB Account	26023748	28486608
Less: Advance / withdrawl	0	0			
Closing Balance	0	0			
University Contribution (NPS):					
Opening Balance	4495968	2883649			
Less: Subscription for March 2015	0	0			
Add: Subscriptions in the year	11626701	12754289			
Add: Subscriptions for March 2016	0	0			
Add Interest Credited	0	0			
Less: Advance / withdrawl	-15504194	-11141970			
Closing Balance	618475	4495968			
NPS Tier- II Account					
Opening Balance	4387323	2774110			
Less: Subscription for March 2015	0	0			
Add: Subscriptions in the year	11627759	12755184			
Add: Subscriptions for March 2016	0	0			
Add Interest Credited	0	0			
Less: Advance / withdrawl	-15230188	-11141971			
Closing Balance	784894	4387323			
Interest Reserve					
Opening Balance	726132	176135			
Add: Excess of Income over Exp	64301	549997			
ClosingBalance	790433	726132			
	203685828	**191686220**		**203685828**	**191686220**

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL					
RESEARCH SCHEMES ACCOUNT					
RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31-03-2016					
					(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	5728885	14183843	c) Administrative Expenses	14000	43904
			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**	48355408	45833934
V. Receipts against Sponsored Projects / Schemes	99874726	56501961	**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**	10000000	51878159
VIII. Interest received on			**VII. Expenditure on Fixed Assets and Capital Works - in - Progress**		
--- Bank Deposits	4786527	5721013	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	0	30000000	--- Income Tax	242116	0
XI. Other Income (including PPI)			--- Professional Tax	104044	0
--- Income from L & B	0	0			
--- Other Income			**IX. Refunds and Grants**	0	0
			X. Deposits and Advances		

XII. Deposits & Advances			--- NIT Warangal	0	0
--- NIT, Warangal	0	0	--- Advances Accounts	26392395	1846250
--- Advances Accounts	3778365	3036052	--- FDD Suspense Account	1105425	1893216
--- FDD Suspense Account	2621936	1919517	--- LC Suspense Account	0	4341049
XIII. Miscelleneous Receipts including Statutory Receipts			**XI. Other Payments**	0	0
--- Income Tax	113000	37550			
--- Professional Tax	43650	116000			
--- Miscelleneous Receipts	0	49461	**XII. Closing Balances**		
			a) Cash in hand	0	0
XIV. Any Other Receipts	0	0	b) Bank Balances		
			--- SBH NITW Current A/c	30733701	5728885
	116947089	**111565397**		**116947089**	**111565397**

NATIONAL INSTITUTEOF TECHNOLOGY, WARANGAL			
RESEARCH SCHEMES ACCOUNT			
BALANCE SHEET AS AT 31-03-2016			
			(Amount in Rupees)
SOURCES OF FUNDS	SCHEDULE	Current Year	Previous Year
Corpus / Capital Fund	1	10536397	5763870
Designated / Earmarked / Endowment Funds	2	0	0
Current Liabilities & Provisions	3	109642316	57432297
TOTAL		120178713	63196167
APPLICATION OF FUNDS			
Fixed Assets	4		
-- Tangible Assets		0	0
-- Intangible Assets		0	0
-- Capital Work in progress		0	0
Investments	5		
-- Long Term		0	0
-- Short Term		0	0
Investments – Others	6	0	0
Current Assets	7	92611860	57607044
Loans, Advanes & Deposits	8	27566853	5589123
TOTAL		120178713	63196167
Significant Accounting Policies	23		
Contingent Liabilities and Notes to Accounts	24		

NATIONAL INSTITUTEOF TECHNOLOGY, WARANGAL			
RESEARCH SCHEMES ACCOUNT			
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31st MARCH 2016			
SOURCES OF FUNDS	**SCHEDULE**	**Current Year**	**Previous Year**
Academic Receipts	9	0	0
Grants / Subsidies	10	0	0
Income from Investments	11	4786527	5721013
Interest Earned	12	0	0
Other Income	13	0	86761
Prior Period Income	14	0	0
TOTAL (A)		**4786527**	**5807774**
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
Repairs & Maintenance	19	0	0
Finance Cost	20	0	0
Depreciation	4	0	0
Other Expenses	21	14000	43904
Prior Period Expenses	22	0	0
TOTAL (B)		**14000**	**43904**
Balance being excess of Income over Expenditure (A-B)		4772527	5763870
Transfer to / from Designated Fund		0	0
Building Fund		0	0
Others if Any		0	0
Balance being surplus (Deficit) carried to General Fund		**4772527**	**5763870**
Notes on Accounts	22		

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 2016

We have audited the attached Balance Sheet of National Institute of Technology, Warangal, as at 31 March 2016, 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 Corpus/Capital Fund: ₹ 553.54 crore (Schedule-1)

A.1.1.1 This does not include an amount of ₹ 1.33 crore[1] incurred during the year towards purchase of Library Books and Online UPS System 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 Capital Fund and Fixed Assets by ₹ 1.33 crore each.

A.1.1.2 This does not include an amount of ₹ 0.95 crore incurred during the year towards purchase of Networking equipment, out of Computer & Maintenance, E-Mail Fund (Designated/Earmarked Fund), 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 Capital Fund and Fixed Assets by ₹ 0.95 crore each.

---

[1] (i) Library Books: ₹ 1,23,85,296/- and Online UPS System (Static Convertors): ₹ 8,64,791/-

A.1.2 Designated/Earmarked/Endowment Funds: ₹ 70.27 crore (Schedule-2)

A.1.2.1 This includes closing balance of ₹ 1.78 crore pertaining to unspent amounts of sponsored State Governments and Other Scholarships, which was neither routed through Schedule-3(b), Sponsored Fellowships & Scholarships nor closing balance accounted under Current Liabilities, though mandated as per Revised Format of Accounts prescribed by MHRD. This resulted in overstatement of Designated/Earmarked Funds and understatement of Current Liabilities by ₹ 1.78 crore.

A.1.3 Current Liabilities & Provisions: ₹ 26.24 crore (Schedule-3)

A.1.3.1 This does not include provision for known liability towards net difference in payment of Salaries of ₹ 0.12 crore[2] for the month of March 2016, despite accounts maintained on accrual basis. This resulted in understatement of Current Liabilities & Provisions and Expenditure by ₹ 0.12 crore each and also consequently overstatement of Surplus by ₹ 0.12 crore.

A. 2. Application of Funds

A.2.1. Fixed Assets: ₹ 293.85 crore (Schedule-4)

A.2.1.1 This includes Gross Fixed Assets value of ₹ 270.18 crore acquired over a period of years out of Plan Grants, but exhibited at its book value without providing depreciation, despite repeated Audit comments and though mandated as per Revised Format of Accounts prescribed by MHRD. This resulted in overstatement of Net Assets value (could not be quantified due to non-adoption of any depreciation rates).

---

[2] **Difference between provision for payment of salaries for the month of March 2016 (₹ 2,67,15,717/-) and March 2015 (₹ 2,55,39,288/-)= ₹ 11,75,429/- (or) ₹ 0.12 crore**

A.2.1.2 This includes consultancy fee of ₹ 0.38 crore paid during the year to National Council for Cement and Building Materials (NCCBM), Hyderabad, towards Third Party Quality Assurance for two Deposit works under progress[3], and incorrectly capitalised by addition to Fixed Assets. This resulted in overstatement of Fixed Assets and understatement of Capital Works-in-Progress by ₹ 0.38 crore.

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

A.2.2.1 This includes expenditure of ₹ 4.48 crore[4] incurred on Deposit Works, reported as completed in 2014 and handed over by CPWD, but not yet capitalised, though pointed out in previous audit. This resulted in overstatement of Capital Works-in-Progress and understatement of Fixed Assets by ₹ 4.48 crore.

A.2.3 Loans, Advances & Deposits: ₹ 123.44 crore (Schedule-8)

A.2.3.1 This includes an amount of ₹ 68.38 crore[5] incurred on Deposit Works, reported as expenditure 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 ₹ 68.38 crore.

---

[3] (i) Construction of Metallurgical and Material Engineering Department Buildings and (ii) Construction of Chemical Engineering Department Building

[4] CPWD Final Expenditure Statement and Utilisation Certificate- (i) Renovation and Re-carpeting of Internal Roads (Phase-I): ₹ 2,69,79,710/- and (ii) Construction of second floor over NAB Building and balance portion of first floor over Computer Centre Building: ₹ 1,77,97,461/-

[5] (i) Construction of Metallurgical and Material Engineering Department Buildings: ₹ 33,61,40,185/- (ii) Construction of Chemical Engineering Department Building: ₹ 32,72,72,995/-, (iii) Construction of Dr. B.R. Ambedkar Learning Center: ₹ 1,23,14,373/-, (iv) Construction of Annexe Building between Conference and Seminar Hall and Renovation of Existing Conference and Seminar Hall: ₹ 60,00,000/- and (v) Renovation of IT Theme Center : ₹ 20,25,936/-

B. Consolidated Income and Expenditure

B.1 Income: ₹ 138.39 crore

B.1.1 This does not include total receipts of ₹ 1.4 crore[6] on account of Registration fee from Foreign Students and towards Post Graduation, which were incorrectly accounted under Designated/Earmarked Funds, instead of as internal income. This resulted in understatement of Income and overstatement of Designated/Earmarked/Endowment Funds by ₹ 1.4 crore. Surplus was also understated by ₹ 1.4 crore.

B.1.2 This does not include unspent balance of ₹ 0.3 crore in respect of closed courses incorrectly retained under Designated/Earmarked Funds as "College resource fund (Self Generation)", despite repeated Audit comments (SARs 2012-13 & 2013-14). This resulted in understatement of Income and overstatement of Designated/Earmarked Funds by ₹ 0.3 crore. Surplus was also understated by ₹ 0.3 crore.

B.2 Expenditure: ₹ 130.68 crore

B.2.1 This includes expenditure of ₹ 2.45 crore incurred towards fourteen (14) civil 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 ₹ 2.45 crore. Surplus was understated by ₹ 2.45 crore.

B.2.2 This includes expenditure of ₹ 0.77 crore incurred during the year towards five (05) civil construction/road 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 ₹ 0.77 crore. Surplus was understated by ₹ 0.77 crore.

---

[6] Registration Fee from Foreign Students: ₹ 7,66,700/- and (ii) Registration Fee from PG: ₹ 1,31,89,683/-

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. Details as to existence of factual liability/lapsed/unclaimed deposits, relating to an amount of ₹ 8.2 crore[7] exhibited as 'Current Liabilities' were neither available nor year-wise analysis was conducted, despite previous Audit comments.

3. 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.

4. 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.

5. 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] **Lab & Library Deposit: ₹ 2,94,47,950/- (ii) Earnest Money Deposit/Security Deposit: ₹ 4,78,15,924/- (iii) Other Deposits: ₹ 21,47,988/- (iv) Deposit for Rent and other Service charges: ₹ 2,000/- (v) NIT Co-operative Deposit: ₹ 20,76,184/- (vi) ICCR&D Deposit: ₹ 11,000/- (vii) Security Deposit for Staff Quarters: ₹ 51,840/- and (viii) Hostel and Caution Money Deposit: ₹ 4,46,664/-**

6. Details relating to an amount of ₹ 119,99,96,302/-[8] exhibited under Schedule-4 (Page 5), as 'Capital Works-in-Progress' were not available and work-wise analysis of the closing balances, which were carried forward every year was also not conducted to review the status of completion of works.

7. Though pointed out in previous audits, Designated/Earmarked/Endowment Fund Account closing balance (Schedule-2), includes an amount of ₹ 78,08,817/- under 'Depreciation Fund', in respect of which, the purpose of utilisation of fund amounts were not disclosed in the *'Notes on Accounts'*, in view of the Accounting Policy No.04, regarding non-provision of depreciation on Fixed Assets.

8. Capital expenditure of ₹ 46,99,25,796/- incurred during the year towards fixed assets, out of Plan Grants was not credited to Corpus/Capital Fund (Schedule-1) by corresponding debit to Grants Account, though mandated in the Revised Format of Accounts prescribed by Ministry of Human Resource Development (Page 66), and instead the entire Plan Grants of ₹ 84 crore received during the year was credited to Corpus/Capital Fund. This incorrect accounting was not rectified accordingly, though pointed out in previous audit.

9. E-Journals asset value of ₹ 83,78,952/- capitalised during the year and shown under Intangible Assets (Schedule-4A Plan) includes Tangible Assets value of ₹ 42,49,111/-[9] purchased during the year. This misclassification of assets was not rectified for accounting under respective asset heads.

10. Minus closing balance amounts of ₹ 29,10,422/- in respect of four Fund Accounts under Designated/Earmarked Funds (Schedule-2, Page nos.34,35, 36 and 39) reflects excess expenditure/overspent amounts. The proper authorization for such excess expenditure and also confirmation of reimbursement of such excess expenditure should be taken from the Sponsoring Agency/Government of India.

---

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

[9] **(i) Air-Conditioners: ₹ 31,99,216/-, (ii) Computers & Peripherals : ₹ 10,49,895/-**

11. Minus closing balance amounts in respect of Sales Tax (₹ 2,32,762/-) and Profession Tax (₹ 1,25,666/-) shown under Current Liabilities & Provisions (Schedule-3, Page 3) in the Annual Accounts, were not reconciled for passing necessary rectification entries.

12. Deposits of ₹ 119,45,08,047/- with Other Department/Contractors including CPWD, shown under Loans, Advances & Deposits (Schedule-8) includes minus balance amounts of ₹ 2,46,976/-[10], which was not reconciled for carrying out rectification entries.

13. Plan Grants (General Activities and Capital Assets) pertaining to SC and ST Components were accounted as Earmarked Funds under Schedule-2 of Annual Accounts (Page 40). However, only revenue expenditure under SC (₹ 14,94,000/-) and ST (₹ 8,62,718/-) Components were accounted in the Earmarked Fund Accounts and the Grants received in respect of SC (General Activities: ₹ 1.74 crore and Capital Assets: ₹ 10.86 crore) and ST (General Activities: ₹ 89.60 lakh and Capital Assets: ₹ 5.82 crore) Components were not accounted as additions with related capital expenditure during the year as utilisation, with unspent closing balance. The entire Grants (SC& ST) were instead, included in the total Grants of ₹ 84 crore and credited to Corpus/Capital Fund. This incorrect accounting was not reviewed and rectified accordingly in consonance with the stipulations contained in the Revised Format of Accounts prescribed by Ministry of Human Resource Development for depiction under Schedule-3(c), Page no. 25 of Annual Accounts.

14. Lease rent receivable of ₹ 32,361/- due as on 31st March 2016, from certain Organisations on account of land leased to them, was not accounted as 'Receivables' under Loans, Advances & Deposits (Schedule-8) and as 'Other Income' in the Income and Expenditure Account.

---

[10] **(i) Civil Engineering Department: ₹ 1,81,578/-, (ii) Training and Placement: ₹ 15,398/- and (iii) Advance to Library: ₹ 50,000/-**

15. Prepaid insurance expenses of ₹ 22,640/- incurred during the year towards Vehicles of the Institute was not accounted for under Loans, Advances & Deposits (Schedule-8, Page 8) and instead incorrectly accounted as part of current year vehicle insurance expenditure in the Income and Expenditure Account.

16. The difference of ₹ 1,52,71,924/- and ₹ 1,34,64,810/- between additions (₹ 3,29,86,600/-) and utilisation (₹ 2,26,51,044/-) as per Annual Accounts, Schedule-2 (Page 35, Sl.no.14) and the respective departmental figures of receipt of Scholarship amounts (₹ 1,77,14,676/-) and its disbursement (₹ 91,86,234/-) during the year, was not reconciled.

17. In the R&P Account of University contribution Account (NPS), it was shown that Receipts: ₹ 1,16,27,759/- and Withdrawals: ₹ 1,52,30,188/- (Page 67) and in the R&P Account (Page 67) of NPS Tier –II Account, it was shown that Receipts: ₹ 1,16,26,701/- and Withdrawals: ₹ 1,55,04,194/-. However, in the Balance Sheet, Liabilities side, Page 65, University Contribution (NPS) Account closing balance (31.03.2016) was arrived by taking the Receipts and Withdrawals of NPS Tier-II Account. Similarly for arriving at the closing balance (31.03.2016) of NPS Tier-II Account, the Receipts and Withdrawals of University Contribution (NPS) Account were taken. This was incorrect and erroneously interchanged, which were not rectified.

18. Closing balance (31.3.2016) amounts of ₹ 69,47,04,878/- and ₹ 79,95,216/- in respect of Designated/Earmarked Funds and Endowment Funds respectively under Schedule-2 (Page 40) were not distinctly represented by (i) Cash and Bank balances (ii) Investments and (iii) Interest accrued but not due, though mandated as per Revised Format of Accounts prescribed by Ministry of Human Resource Development.

19. Details of Current & Savings Bank Accounts in respect of closing Cash Book balances of ₹ 13,48,74,637/-, (Schedule-7, Page 7 of Annual accounts) shown under Current Assets, was not appended as Annexure-A to Schedule-7, though mandated as per Revised Format of Accounts, prescribed by Ministry of Human Resource Development (Page 21 and 22).

D. Net effect of Audit Comments on accounts

The net impact of Audit comments given in preceding paragraphs is understatement of Liabilities by ₹ 0.7 crore, Assets by ₹ 5.5 crore and Surplus by ₹ 4.8 crore.

E. Grants-in-Aid

Out of total Grants-in-aid of ₹ 177 crore[11] received during the year (Plan: ₹ 84 crore and Non-Plan: ₹ 93 crore), along with unutilised balance of previous year amounting to ₹ 8.22 crore and internal income of ₹ 43.19 crore, totalling ₹ 228.41 crore, the Institute utilised the entire sum[12], leaving no unspent balance as on 31st March 2016.

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 2016; and

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

31/10/16

(AJAIB SINGH)
Director General of Audit (Central)

---

[11] (i) Non-Plan (General & Salaries): ₹ 93,00,00,000/-, (ii) Plan- General Activities (General, SC & ST): ₹ 11,56,80,000/- (iii) Plan-Capital Assets (General, SC and ST): ₹ 72,43,20,000/-. Grand Total : ₹ 177,00,00,000/-

[12] (a) Plan- General Activities (General, SC and ST): ₹ 22,51,70,155/- (b) Plan-(Creation of Capital Assets-General, SC & ST, including capital expenditure of ₹ 46,99,25,796/-): ₹ 78,71,12,359/-, Total (Plan): ₹ 101,22,82,514/- (iii) Non-Plan (General & Salaries): ₹ 128,73,32,291/-. Grant Total (Plan and Non-Plan): ₹ 229,96,14,805/-

ANNEXURE

1. **Adequacy of Internal Audit System:** The Internal Audit Wing formed in 2012-13, was discontinued and as such there were no Internal Audit Reports for the years from 2013-14 to 2015-16. Thus, there was neither Internal Audit System in place in the Institute nor an Internal Audit Manual. The Institute did not also have an Accounts Manual.

2. **Adequacy of Internal Control System:** The internal control system needs to be strengthened in respect of the following, though pointed out in previous audit:

(i) No pursuance was made with Banks for reconciliation of the following discrepancies (as on March 2016) in respect of Bank Accounts of various fund accounts[1], which resulted in non-depiction of true and fair view of Closing Cash at Bank Balances:

   a. Unencashed Cheques of ₹ 27,73,60,134/-
   b. Credits given in Cash Book but not realized in Bank of ₹ 45,36,890/-
   c. Credits given by Bank but not taken in Cash Book of ₹ 4,85,49,603/-
   d. Debits made by Bank but not made in Cash Book of ₹ 4,57,42,739/-

(ii) No Internal Audit System

(iii) Improper capitalisation of Assets

(iv) Incorrect classification of Income

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 from 2013-14 to 2015-16, despite previous Audit comments. Besides this, sample Physical verification of Library Books (Institute stated having more than 2,00,000 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. Hence, system of physical verification needs to be strengthened to conduct physical verification in time.

4. **System of Physical verification of Inventory:** Physical verification of Inventory was not conducted for the years from 2013-14 to 2015-16, despite repeated Audit comments. Hence, system of physical verification of Inventory needs to be strengthened to conduct the physical verification in time.

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

25/10/16

(V.S. MURTY)
उप निदेशक/ केंद्रीय व्यय लेखा परीक्षा
DEPUTY DIRECTOR/ CEA

[1] **(i) Director-Main Account (Bank A/c No.52109375198), (ii) Director-FEE Account (Bank A/c No.62114635443) and (iii) Director-Research Account (Bank A/c No.62266262236)**