वार्षिक रिपोर्ट एवं वार्षिक एकाउंट्स
Annual Report & Annual Accounts
2016-2017





राष्ट्रीय प्रौध्योगिकी संस्थान, वरंगल
National Institute of Technology, Warangal

वार्षिक रिपोर्ट एवं वार्षिक एकाउंट्स
ANNUAL REPORT & ANNUAL ACCOUNTS -2016-17

ANNUAL REPORT & ANNUAL ACCOUNTS

2016 - 2017

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, 2016-2017, marks a high number (39) 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. Prof. T. Srinivasa Rao (Upto 30.06.2016), Prof. R.V. Chalam (from 01.07.2016 to 26.08.2016) and Prof. G. Ramachandra Reddy (from27.08.2016), Chairman, Board of Governors, of NIT Warangal during this period.

The Annual Report and Accounts Statement, 2016-2017, 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. N.V. Ramana Rao
Director

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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 575 Ph.Ds, so far.

This reputed institute has sailed through several phases in its historical journey assimilating newer experiences, academic as well as administrative, and yet retaining its original sheen and noble objectives. Established as an affiliate college of Osmania University (1959), REC Warangal came under the purview of Jawaharlal Nehru Technological University (1972) with *full academic autonomy*, a status enjoyed by a few RECs in the country then. It was an affiliate college of Kakatiya University (1976) and then on, steadily marched towards a University Status. It was declared a Deemed University in the year 2002. It was subsequently given the status of Institute of National Importance and renamed as National Institute of Technology, Warangal.

During this span of 56 years of existence, it has become a proud *Alma Mater* for over 17200 graduates in different branches of technology, 10997 postgraduates and 575 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 two 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. 9.32 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 2016-17 has been excellent. More than 200 organizations visited the campus and 670 students of B.Tech among 583 students (87%) 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.



1.0 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 Centres being established

- Centre for Sustainable and 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 9th Aug. 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 13th Dec. 2015, in which Padma Shri A.S. Kiran Kumar, Secretary, Dept. of Space Chairman, Space Commmission and Chairman, ISRO, was the Chief Guest
September 3, 2016	14th Convocation was held on 3rd Sep. 2016, in which Padma Shri Dr. Sanjay Govind Dhande, Former Director, Indian Institute of Technology, Kanpur, 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 (BoG)

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(FC), Building Works Committee (BWC)

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 Sanctioned Intake	Supernumerary	Year Started in
Civil Engineering	92	7	1959
Electrical and Electronics Engineering	108	9	1959
Mechanical Engineering	108	9	1959
Electronics and Communication Engineering	108	9	1971
Metallurgical and Materials Engineering	62	5	1965
Chemical Engineering	92	7	1964
Computer Science and Engineering	108	9	1983
Bio-technology	62	5	2006
Toptal Seats	740	60	-

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 & Geo Information 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
2. Process Control	20	2016
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
Physics……M.Sc (Tech)		
1. Engineering Physics (Photonics, Electronics and Instrumentation Specializations)	48	1970
Chemistry……M.Sc		
1. Organic Chemistry	24	1977
2 Analytical Chemistry	24	1999

Doctoral programmes (Leading to the degree of Ph.D) 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.

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

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

B Tech Programme Structure

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

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

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

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

Curriculum in the first two semesters:

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

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

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

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

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

Admission into M. Tech 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 2016-2017

Sl.No.	Branch	Boys		Girls		Total	
		Indians	Foreign	Indians	Foreign	Indians	Foreign
1	Civil Engineering	64	19	34	2	98	21
2	Electrical & Electronics Engineering	71	16	43	5	114	21
3	Mechanical Engineering	106	25	7	1	113	26
4	Electronics & Communication Engineering	62	18	53	6	115	24
5	Metallurgical and Materials Engineering	41	0	19	0	60	0
6	Chemical Engineering	58	8	36	6	94	14
7	Computer Science & Engineering	81	17	33	6	114	23
8	Bio-Technology	32	1	19	2	51	3
	Total	**515**	**104**	**244**	**28**	**759**	**132**

Number of candidates admitted into First year PG courses during 2016-17 : 668

Number of candidates admitted into Ph.D. courses during 2016-17 : 129

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 **2016-17**, 200+ companies / organizations visited the campus and offered a total of 872 placements. Among this, 582 are B.Tech students and 290 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	86	56
B.Tech	Electrical & Electronics Engineering	100	93
B.Tech	Mechanical Engineering	111	95
B.Tech	Electronics & Communication Engineering	100	96
B.Tech	Metallurgical & Materials Engineering	50	43
B.Tech	Chemical Engineering	74	66
B.Tech	Computer Science & Engineering	110	107
B.Tech	Bio-Technology	39	27
	B.Tech., Total	**670**	**583**
M.Tech	M.Tech., M.Sc. (Tech.), M.Sc., MCA., and MBA (all)	**566**	**290**
	Grand Total UG + PG (all)	**1236**	**872**

a) **Educational Tours**:

During the academic year 2016-17, 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 table:

Sl. No.	Place of visit	Student Branch(es)	No. of students	Accompanying person with designation	Date(s)
1.	Visakhapatnam Steel Plant , HPCL and Coca Cola Plant, Visakhapatnam	B.Tech (Chemical) II Year	83	Dr. S. Murali Mohan, Asst. Professor Dr. Neelima Tripathi, Adhoc Faculty	11-11-2016 to 15-11-2016
2.	KERS Dam, Mysore	B.Tech. (Civil) – II Year	60	Dr. P. Venkateswara Rao, Asst. Professor Ms. Sujana Haridas, Adhoc Faculty	22-02-2017 to 26-02-2017
3.	Anthem Biosciences, Genotypic Tech. Pvt. Ltd., and Genotypic, Bangalore	B. Tech. (Bio-Tech.) II year	30	Dr. K. Narasimhulu, Asst. Professor Ms. K. Shilpa, Adhoc Faculty	07-03-2017 to 11-03-2017
4.	JVS Electronics Pvt.Ltd., Bangalore and ACE Components & Electronics Pvt. Ltd., Mysore	B. Tech. (ECE) II Year	54	Smt. V. Rama, Asst. Professor Dr. J. Ravi Kumar, Asst. Professor	09-03-2017 to 13-03-2017
5.	Mahindra & Mahindra, Chennai	M. Tech. (Automobile Engg.) I Year	17	Dr. G. Naga Srinivasulu, Asst. Professor	22-03-2017 to 26-03-2017

b) **Industrial Training & Industrial Visits**:
During the summer vacation a number of Industries / organizations have offered training. About (250) students of III and II year B.Tech classes have undergone practical training during Summer Vacation of the academic year 2016-17.

The following are the details of Industrial Visits made by the students of various Departments during the **Academic year 2016-17**:

Sl. No.	Place of visit	Student Branch(es)	No. of students	Accompanying person(s) with designation	Date(s)
1	Water sheds at Katkuar & Peechara Villages, Warangal District	M. Tech. (RS&GIS) I Year	26	Dr. K. Venkata Reddy, Asst. Professor	06-10-2016
2	NGRI, Hyderabad	M.Sc. (Mathematics) II Year	29	Dr. J. Pranitha, Asst. Professor	15-11-2016
3	Diesel Loco Shed, South Central Railway, Kazipet	M. Tech. (AE and MD) I Year	17	Dr. V. Suresh Babu, Assoc. Professor Dr. G. Naga Srinivasulu Asst. Professor	07-01-2017
4.	Biological E. Ltd., Genome Valley Road, Hyderabad	M.Sc. (Chemistry) II Year	39	Dr. K. Hari Prasad, Asst. Professor Dr. Madhavi Chaudhary Adhoc Faculty	28-01-2017
5.	ARCI, Hyderabad	M. Tech. (Addi. Engg.) I Year	14	Dr. Y. Ravi Kumar, Asst. Professor	10-03-2017
6.	CPRI and PGCIL, Hyderabad	M. Tech. (PS Engg.) I Year	36	Dr. A.V. Giridhar, Asst. Professor Dr. G. Siva Kumar, Asst. Professor	17-03-2017
7.	ITC, Bhadrachalam	B. Tech. (Chem. Engg.) II Year	50	Dr. S. Vidya Sagar Asst. Professor Dr. G. Srinivas, Adhoc Faculty	18-03-2017

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

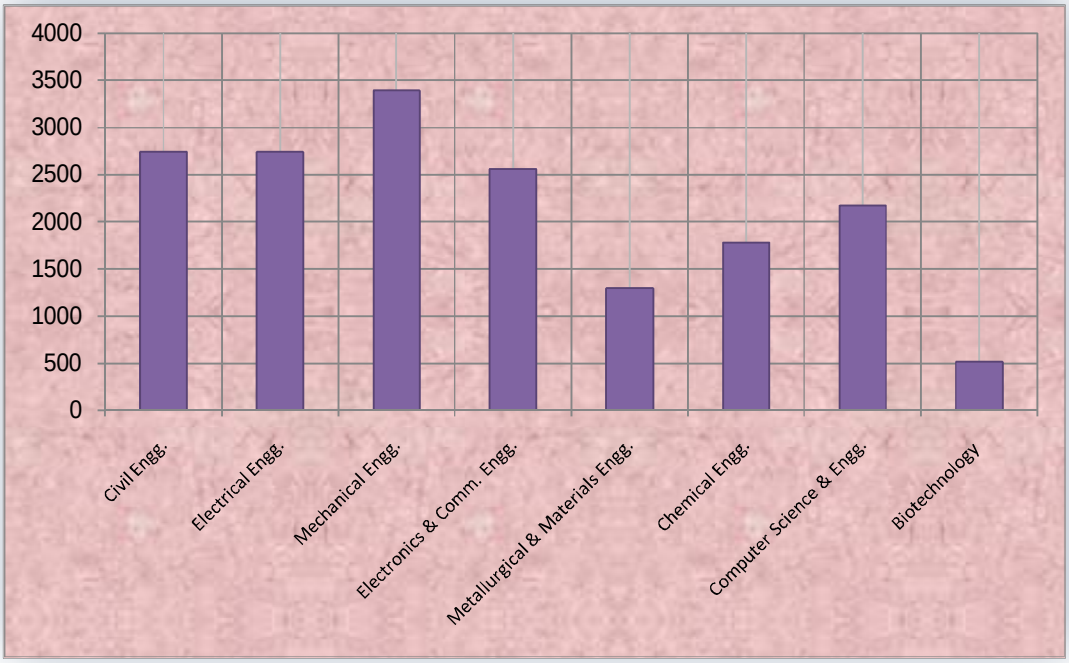
- Organizing intramural and extramural competitions and preparing the students for the same.
- Encouraging student participation in inter-collegiate, Inter University, Inter-NIT and other open tournaments in the country.
- Organizing Inter-Collegiate tournaments, Inter University, Inter-National Institute of Technology tournaments coaching camps and open tournaments in various sports and games.
- Organizing tournaments for Teaching and Non-Teaching staff.

2.12. Degrees Awarded Till March, 2017

Since Inception

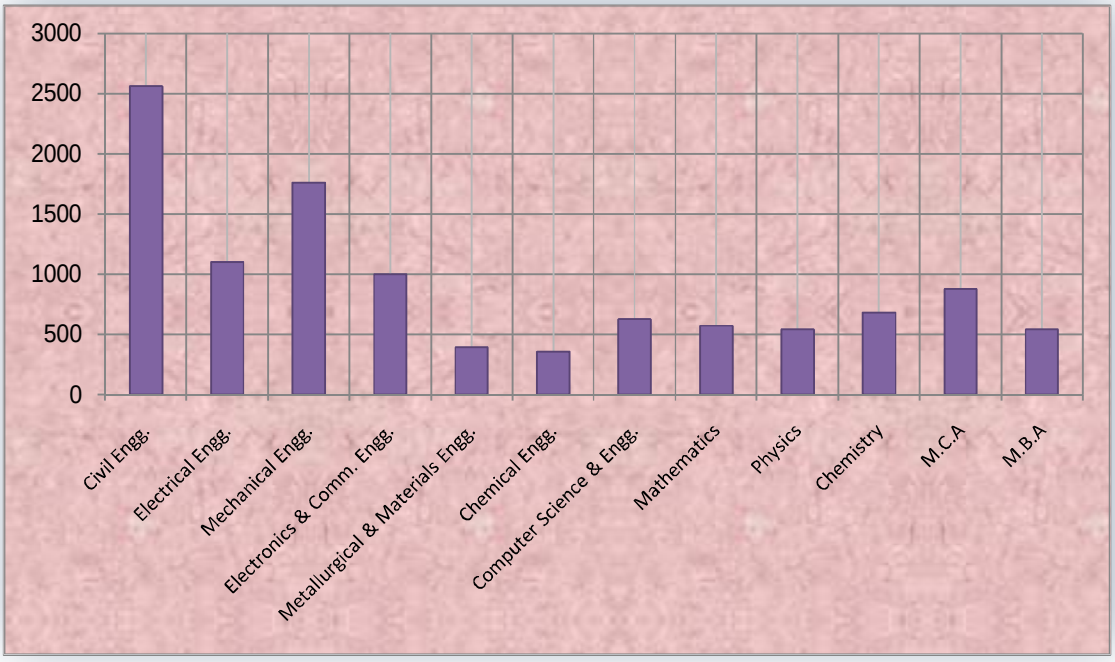
A) B.Tech.

Civil Engineering	**2741**
Electrical Engineering	**2741**
Mechanical Engineering	**3396**
Electronics & Communication Engineering	**2559**
Metallurgical and Materials Engineering	**1294**
Chemical Engineering	**1777**
Computer Science & Engineering	**2178**
Biotechnology	**514**
TOTAL	**17200**



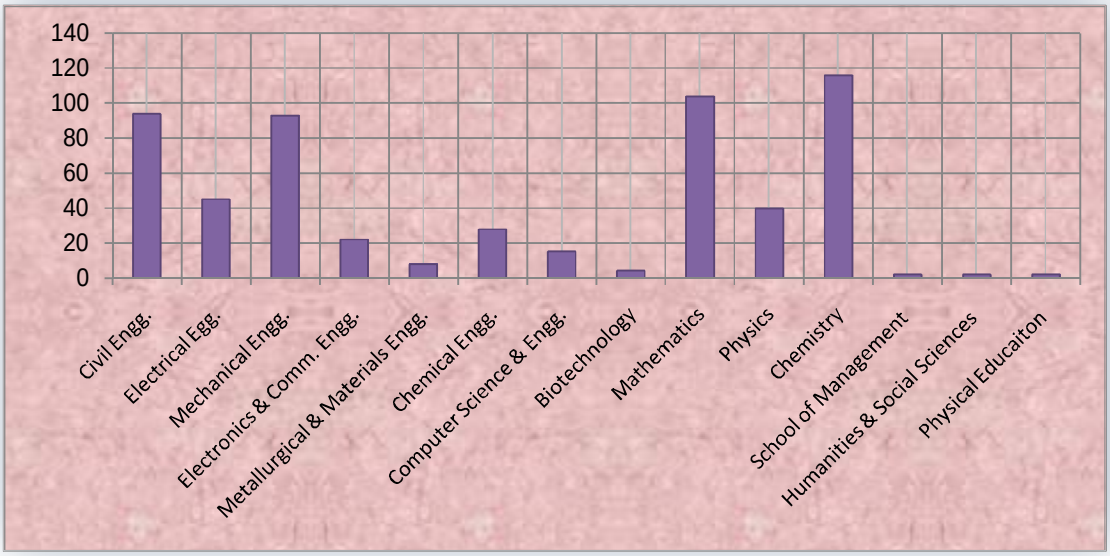
B) M.Tech. / M.Sc. / M.Sc. (Tech) / M.C.A. / M.B.A.

Civil Engineering	**2558**
Electrical Engineering	**1101**
Mechanical Engineering	**1760**
Electronics & Communication Engineering	**999**
Metallurgical and Materials Engineering	**388**
Chemical Engineering	**357**
Computer Science & Engineering	**625**
Mathematics	**568**
Physics	**540**
Chemistry	**682**
Master of Computer Application	**877**
Master of Business Administration	**542**
TOTAL	**10997**



C) Ph.D (Doctor of Philosophy)

Civil Engineering	94
Electrical Engineering	45
Mechanical Engineering	93
Electronics & Communication Engineering	22
Metallurgical and Materials Engineering	08
Chemical Engineering	28
Computer Science & Engineering	15
Biotechnology	04
Mathematics	104
Physics	40
Chemistry	116
School of Management	02
Humanities &Social Sciences	02
Physical Education	02
Total	**575**



2.13 R & D Infrastructure

RESEARCH

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

NIT Warangal has highly qualified, spirited and research oriented faculty capable of undertaking any challenging task in advanced research. During the last 5 years, the faculty of NITW have been receiving, on an average, an amount of Rs.5 crores/year research fund from various funding agencies such as DST, CSIR, DIT, DBT, DRDO (AR&DB, NRB and ERIPR), DAE-BRNS, etc. Particularly, the past 4 years witnessed a significant improvement in receiving a large number of research projects. During the year 2016 – 2017, the institute has received 36 projects of total worth Rs.6.34 crores including the 'Fast Track' projects sanctioned to young faculty.

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	0.50
3	Centre for Automation and Instrumentation (CAI)	Prof. A. Rama chandraiah Dept. Cheistry	ECE, EEE, Mech. Engg., Physics, Chemistry	2.12
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.

Total No. of Research Publications during 2016-2017 : 596

2.14 Centre for Automation and Instrumentation

A host of, state of the art, sophisticated equipment's have been installed, at the Centre for Automation and Instrumentation (CAI) for the use of all Departments engaged in research activities in various fields of material characterization, 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 Faculty-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	CGME Cell Stand	Dr. V. Ramasagar	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	Faculty-in-Charge, CAI
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	Chemistry
22	Fork Lift Maintenance/Tools	Sri I. Ashok Kumar Reddy	Mech. Engg.
23	LED Projector	Dr. Ramasagar	Chemical Engg.
24	Chemicals and Consumables	Prof. A. Ramachandraiah	Chemistry
25	Gases, Liquid Nitrogen,Solvents	Prof. A. Ramachandraiah	Chemistry

(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.

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
18	Continuous Growth Mercury Electrode(CGME)	5	The cell can be enclosed in the included Faraday Cage to minimize electrical interference. A built-in gas control allows purging or blanketing of the sample prior to or during analysis. The magnetic stirrer allows controlled agitation of the sample for experiments requiring convective mass transport of analyte to the electrode surface (e.g., anodic stripping voltammetry).	CGME Cell Stand is a general-purpose accessory for electro analytical experiments. It firmly holds all the components of the electrochemical cell (vial, electrodes, top) and provides a convenient means of stirring and purging the analyte solution.
19	**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 2016-2017 Financial Year.

List of Equipment acquired (or orders placed) during 2016-17 Financial Year

S.No	Instrument	Make & Model	Cost (in Rs. Lakhs)	Funds from	Applications
1	5 KVA Online UPS System		0.78	Plan Grants (2016-17)	Hooked to the LC-HRMS facility
2	Continuous Growth Mercury Electrode(CGME)	BASi	5	Plan Grants (2016-17)	CGME Cell Stand is a general-purpose accessory for electro analytical experiments. It firmly holds all the components of the electrochemical cell (vial, electrodes, top) and provides a convenient means of stirring and purging the analyte solution.
3	LED Projector for Training Hall	Viewsonic PJD5555	0.50	Plan Grants (2016-17)	To be used for another Training Hall

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, 2016-2017

1. GIAN Course on ***"Advanced Materials for Sustainable Energy and Storage"*** in association with the Department of Chemistry on 03rd to 29th June 2016.
2. Inauguration of Universal Testing Machine (UTM) and Quantum Lifetime Fluorescence Workstation on 30-06-2016.
3. Institute Peer Review Committee visits CAI on 21st and 22 ndNovember 2016.
4. Demonstration of HR-LCMS on 16-02-2017.

2.15 Centre for Innovation and Incubation

Memoranda of Understanding (MoUs) Centre the Institute has signed through the Department Exclusively:

Organisations:

1. Central Power Research Instiute, Bangalore
2. Indian Institute of Chemical Technology, Hyderabad
3. Sky e IT Solutions Private Limited, Hyderabad
4. Tata Consultancy Services Limited, Hyderabad
5. Warangal Municipal Corporation, Warangal
6. Infosys Limited, Bangalore
7. The Lakshya Foundaiton, Warangal
8. Electronics Corporation of India Limited, Hyderabad
9. Software Technology Park of India, Hyderabad
10. Center for Development of Advanced Computing (C-DAC), Bangalore
11. CNR, Chennai
12. Effexort Solutions Pvt. Ltd., Hyderabad
13. University of Malardalan, Sweden
14. FutureNow Innosoft Pvt. Ltd., Hyderabad
15. Helsinki University of Technology, University of Oulu, Tampere University of Technology and The University of Tampere, Finland
16. IBM India Limited, Bangalore
17. International Advanced Research Centre for Power Metallurgy and New Materials (ARCI), Hyderabad
18. International Foundation for Enterpreneurship, Science and Technology (IFEST), USA
19. Jayaprakash Narayan College of Engineering, Dharampur, Mahabubnagar
20. National Academy of Construction (NAC), Hyderabad
21. Nonferrous Materials Technology Development Centre, Hyderabad
22. Research Centre Imarat (RCI), Hyderabad
23. Tampere University of Technology, Finland
24. Texas A&M Agrilife Research University, USA
25. Appolo Computing Laboratory Pvt. Ltd., Hyderabad
26. Central Manufacturing Technology Institute (CMTI)
27. Defence Metallurgical Research Laboratory (DMRL)
28. National Institute of Technology Tiruchirapalli (NITT)
29. Visvesvaraya National Institute of Technology, Nagpur (VNIT)
30. National Institue of Technology, Agartala (NITA)
31. Telangana Academy of skill and knowledge (TASK)_Institue for Electronic Governance, Telangana State
32. Electronic Corporation of India Limited
33. Indian Institute of Technology, Madras, Chennai, India (IITM)
34. Wate and Land Management Training and Reseach Institue (WALMTARI)
35. Elico Ltd., Hyderabad
36. NITW and PEPSICO
37. ELICO Ltd., Hyderabad (different from that of S.No.35)
38. Indian Government MNIT, Hyderabad
39. University Corporation for Atmospheric Research
40. Ecole Centrale de Nantes, Nantes, France
41. Lave Consulting Services
42. Sapience Consulting a Texas Instruments University Programe (Bangalore)

43. Institute for Development and Research in Banking Technology (IDRBT)
44. Telangana State Road Transport Corporation, Hyderabad
45. Incube Ventures Pvt. Ltd., Ahmedabad
46. Geo Vista Technologies Pvt. Ltd., Hyderabad
47. Sky EIT Solutions(P) Ltd., Hyderabad
48. Sri Mangadu Kamatchiammam Business Corporation (INFOMAPS), Chennai
49. Info Trans Engineers Private Limited (ITE), Hyderabad
50. BHEL for Research & Development, New Delhi
51. Elecro Optical Instruments Research Academy DRDO, Ministry of Defence (MoD) (ELoira), Hyderabad
52. Nucleonix Systems Pvt. Ltd., Hyderbad (Nuclear Instrument on Research)
53. South Ural State University Chelyafinsk, Russia
54. Affine Tech Systems Pvt. Ltd., Hyderabad
55. iBuild innovations India Ltd.,

2.16 Teaching-Learning Centre of NIT Warangal:

The Teaching Learning Centre (TLC) at NIT Warangal was established in November 2015 with grants from MHRD, Govt. of India under the scheme of "PanditMadan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT)" at an outlay of Rs.9.63 Crores when a team of faculty of members of NIT Warangal with Prof. I. Ajit Kumar Reddy as the Coordinator, has submitted the Proposal against the call from the MHRD.Presently, w.e.f. 1st July, 2017, Prof. A. Ramachandraiah, the senior member of the Team is Coordinatro after Prof. Ajit Kumar Reddy retired on 30th June, on superannuation.

Under this scheme, a separate building for TLC is coming up with the state of the art studio for video- recording of lectures, facilities for offering courses on-line and training of faculty. The objectives of TLC are (i) developing and disseminating learner centered curricula, pedagogy and evaluation methods (ii) facilitatingreforms in curricula of higher education in tune with Global trends (iii) conducting training programmes for faculty in learner-centredteaching methods (iv) developing e-learning resources and ICT-Tools (v) promotingresearch in pedagogy and evaluation methods in higher education.

During the year 2016-17, with Prof. I. Ajit Kumar Reddy, as the Coordinator, the TLC has organized a series of faculty development programmes (FDP)on new pedagogical practices, use of technology in education, communication skills, innovative methods of teaching and learning some specific courses in engineering and sciences. As many as 623 faculty members, drawn from different parts of the country, were trained through 12 FDPs in the above mentioned areas. Details of various FDPs conducted by the TLC are given in the Table below. The web link, www.nitw.ac.in/tlc has further information.

Coordinator: Prof. I. Ajit Kumar Reddy (till 30th June, 2017)
Present Coordinator: Prof. A. Ramachandraiah (from 1st July, 2017)

S. No	Title of the Workshop / Faculty Development Programme	Programme Dates	Coordinators	TLC/ Associted Dept.	Number of Participants
1	Pedagogical Skills for Teacher Aspirants in Science and Engineering Education (Batch 1)	20-10-2016 to 25-10-2016	Prof. IAK Reddy Prof. BV Appa Rao	TLC	46
2	Instructional Design and Delivery Methods (Phase I)	12-11-2016 to 14-11-2016	Prof. IAK Reddy Prof. L Krishnanand Prof. BV Appa Rao	TLC	45
3	Pedagogical Skills for Teacher Aspirants in Science and Engineering Education (Batch 2)	13-11-2016 to 18-11-2016	Prof. IAK Reddy Prof. BV Appa Rao	TLC	37
4	Technologies for Development and Delivery of Instructional Materials for e-Learning	08-12-2016 to 10-12-2016	Prof. IAK Reddy Dr. K Madhavi	TLC	70
5	Process Oriented Guided Inquiry Learning	12-12-2016 to 12-12-2016	Prof. IAK Reddy	TLC	41
6	Instructional Design and Delivery Methods (Phase II)	22-12-2016 to 24-12-2016	Prof. IAK Reddy Prof. L Krishnanand Prof. BV Appa Rao	TLC	35
7	Communication Skills for Effective Teaching in Higher Education	24-02-2017 to 26-02-2017	Prof. DS Kesava Rao Dr. K Madhavi	Hum. & Soc. Sci.	75
8	Concept based teaching and learning physics through experiments in undergraduate education	02-03-2017 to 04-03-2017	Dr. T. Venkatappa Rao Dr. P. Abdul Azeem Dr. D. Paul Joseph	Physics	57
9	Free and Open Source Software in Teaching and Learning	04-03-2017to 05-03-2017	Dr. A VenuVinod Prof. IAK Reddy	TLC	72
10	Developing OER-enabled e-Learning Courses Using Moodle	18-03-2017 to 19-03-2017	Prof. IAK Reddy Sri SKLV Sai Prakash	TLC	44
11	Effective Teaching and Learning of Digital Electronics	21-03-2017 to 25-03-2017	SKLV Sai Prakash P Muralidhar	ECE	41
12	Innovative Methods for Teaching Mechanical Engineering	22-03-2017 to 26-03-2017	Dr. V Hari Kumar Prof. P Bangaru Babu Prof. RV Chalam	Mech. Engg	60
Total No. of Participants					**623**

2.17 Centre for Advanced Materials

1. DETAILS OF THE EQUIPMENT (Purchased/committed)

S. No.	Name	Designation	Equipment	Cost (Rs./-)	Remarks
1	Dr. V. Jayalakshmi	Assistant Professor	Fibre - Optic light guide	1,20,510	Bill Settled
2	Dr. B. Srinivasa Rao	Assistant Professor	Vacuum Induction Melting Furnace	30,00,000	Committed

2. RESEARCH PUBLICATIONS / PRESENTAIONS/Conference Proceedings

A. Publications

i) Peer – Reviewed International Journal Publications

S. No.	Authors (*)	Title of the Paper	Journal Details (Year, Vol., pp)
1	Ashish Kumar, **T. Venkatappa Rao**, S. Ray Chowdhury, S.V.S. Ramana Reddy	Compatibility confirmation and refinement of thermal and mechanical properties of poly (lactic acid)/poly (ethylene-co-glycidyl methacrylate) blend reinforced by hexagonal boron nitride	Reactive and Functional Polymers, 2017, 117, 1-9

* Name of the Faculty of the Department to be emboldened

ii) International Conference Proceedings

S.No.	Authors (*)	Title of the Paper	Conference Proceeding Details (Journal, Year, Vol., pp)
1	Ashish Kumar, **T. Venkatappa Rao**, S. Ray Chowdhury, S.V.S.R. Reddy	Effect of Electron Beam Irradiation on Thermal and Mechanical properties of Poly (lactic acid)/Poly (ethylene-co-glcidyl Methacrylate) Blend	AIP Conference Proceedings, 2017, 1849, 020039.

* Name of the Faculty of the Department to be emboldened

3. RESEARCH AND CONSULTANCY EXPERTISE

A. Research Areas Active in

Extractive Metallurgy, Corrosion and Removal of Heavy Metal Ions from Waste Process Solutions, Process Metallurgy, Sulphide Metallurgy, Surface Engineering, Powder Metallurgy; 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, High Temperature Materials, Thermo-Chemical Treatments and Coatings etc**.**

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

S. No.	Name of the Equipment	Model / Brand	Make	Book Value	Year of Acquisition	Main Application(s)
1.	Muffle furnace (1500 oC)	-	INDFURR	Rs. 3.3 Lakhs	2013	For conducting the heat treatments
2.	Muffle furnace (1800 oC)	LHT 04118	Nabertherm	Rs. 19.37 Lakhs	2016	
3.	Muffle furnaces (1600 oC)	60 FH & 70 FH	OKAY	Rs. 10 Lakhs	2015	
4.	Differential Scanning Calorimeter	DSC 8000	Perkin Elmer	Rs. 14.55 Lakhs	2014	To study the phase transformations of materials
5.	Impedance Analyzer	-	Bio Logic	Rs. 31.8 Lakhs	2014	To characterize the dielectric properties of the materials
6.	Thermo-Gravimetric Differential Thermal Analyzer	STA 2500 Regulus,	NEZSCH	Rs. 22.79 Lakhs	2016	To study the phase transformations of materials
7.	Optical microscope	BX53	Olympus	Rs.12.43 Lakhs	2015	Metallographic study of various samples
8.	Glove Box	-	Hind-Hi Vac	Rs.9.5Lakhs	2015	To handle sensitive samples in inert atmosphere
9.	UV spot light & Fibre Optic Light guide	L9588-06A	Hamamatsu Photonics	Rs. 6 Lakhs	2015 & 2016	To treat polymeric samples with intense UV light source
10	Plasma Cleaner	-	Harrick Plasma	Rs. 8.09 Lakhs	2015	To treat sample surfaces with a gas plasma
11	Vacuum Arc Remelting furnace (make: VEC solutions)	-	VEC Solutions	Rs. 8.6 Lakhs	2016	For the preparation of various alloys

2.18 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. 18.50 crores.

The following activities were conducted during the academic year, 2016-2017:

1. a) Programs for Faculty Development					
Sl. No	**Details**	**Department**	**From Date**	**To Date**	**Coordinator**
1	Workshop on "Role of Alumni in Skill Development, Unnat Bharat Abhiyan and Enterpreneurship Development"	Civil Engineering Dept.	05.11.2016	06.11.2016	Prof. CSRK. Prasad
2	A 3-day WORKSHOP ON Waste Management Technologies for Urban Areas	Civil Engineering Dept.	23.01.2017	25.01.2017	Dr. P.Venkateswara Rao and Dr. E .Venkata Rathnam
3	Three-Day Workshop On Condition Assessment and Rehabilitation of Structures (CARS-2017)	Civil Engineering Dept.	17.03.2017	19.03.2017	Dr. P. Rathish Kumar and Dr. S. Venkateswara Rao
4	A FIVE-DAY FACULTY DEVELOPMENT PROGRAM on Limit State Design of Steel Structures (LSDSS)	Civil Engineering Dept.	20.02.2017	24.02.2017	Dr. T.D.Gunneswara Rao and Sri. M. Sudhakar
5	Two day workshop on "High Rise Building and Soil Structure Interaction"	Civil Engineering Dept.	25.03.2017	26.03.2017	Dr .G Kalyan Kumar & Dr. M V N Siva Kumar
6	Three-Day Faculty Development porgram on "Finite Element Applications in Engineering Analysis"	Civil Engineering Dept.	10.03.2017	12.03.2017	Dr. D Ravi Prasad, Dr. M V N Siva Kumar and Dr. K Gopi Krishna
7	Workshop on "Analysis and design of water distribution networks"	Civil Engineering Dept.	16.03.2017	18.03.2017	Dr.Ajey Kumar Patel
8	Three day faculty development program on "Advances in structural health monitoring of civil infrastructure (ASHMCI)	Civil Engineering Dept.	22.03.2017	24.03.2017	Dr. K Gopi Krishna
9	Three day faculty development program on "Advances in Prestreested concrete design"	Civil Engineering Dept.	03.03.2017	05.03.2017	Dr. M V N Sivakumar and Dr. TD Gunneswara Rao
10	Three day faculty development program on "Advances in concrete technology"	Civil Engineering Dept.	20.03.2017	22.03.2017	Prof. G. Rajesh Kumar
11	Two day National Conference on "Recent Advances in ommunication and Electronics Engineering (RACE 2016)"	Electronics and Communication Engg. Dept.	23.09.2016	24.09.2016	Dr.V.V. Main
12	CONTINUING EDUCATION PROGRAM on Internet of Things (IoT)	Electronics and Communication Engg. Dept.	27.02.2017	04.03.2017	Dr. B. Lakshmi
13	Two day Conference on"Trends in Electronics & Communication (TREAT 17)	Electrical Engg. Dept.	17.02.2017	18.02.2017	Prof. NVSN. Sarma
14	Two day National Workshop on " New Directions in English in Professional Colleges"	Humanities	16.09.2016	17.09.2016	Prof. Kesava Rao
15	A TWO DAY NATIONAL WORKSHOP On Challenges of Using Digital Technology in Engineering Education	Humanities	28.12.2016	29.12.2016	Prof .D. S. Kesava Rao and Dr. K. Madhavi
16	National Conference on "Applied Nonlinear Dynamics"	Mathematics	21.12.2016	22.12.2016	Prof. Y.N. Reddy and Dr. H.P. Rani
17	NATIONAL CONFERENCE on WOMEN IN HIGHER EDUCATION: PERSPECTIVES AND CHALLENGES IN DIGITAL ERA-(WHE-2016)	Mathematics and Humanities	30.05.2016	31.05.2016	Dr. H.P. Rani and Dr. K. Madhavi
18	National Symposium in Mechanical Engineering for Ph.D. Scholar	Mechanical Engg. Dept.	07.10.2016	07.10.2016	Prof. CSP. Rao
19	ISME Conference - NIT Warangal	Mechanical Engg. Dept.	23.02.2017	25.02.2017	Prof. Amba Prasad Rao
20	Workshop on "Free and Open Scouce Sofware in Teching and Learning"	Chemical	04.03.2017	05.03.2017	Dr. A. Venu Vinod

1. b) Programs attended by NITW Faculty at other Institute in India					
Sl. No	**Details**	**Department**	**From Date**	**To Date**	**Coordinator**
1	To attend 77th Indian Road Congress Annual Session at Hyderabad	Civil Engineering Dept.	15.12.2016	16.12.2016	Dr. S. Shankar
2	To present a Technical Paper entitled "A study on the pH value of fly Ash concretes" in 2nd World Conference on Applied Science Engineering and Technology at Goa	Civil Engineering Dept.	28.12.2016	30.12.2016	Dr.T.D.Gunneswara Rao
3	To attend Workshop on "Nano - Structured Materials and their applications in catalysis & Fuel Cells" at NIT Suratkal	Chemical	29.09.2016	01.10.2016	Dr.K. Anand Kishore, Dr. S. Srinath and Dr.G.Uday Bhaskar Babu
4	To attend short term training program on "Recent Advances in Alternate Energy Sources and Technology" at NIT Goa	Chemical	05.12.2016	09.12.2016	Dr. A.Seshagiri Rao
5	To attend Five day Workshop on "Recent Advances in Alternate Energy Scouces and Technology" at NIT Goa	Chemical	04.12.2016	11.12.2016	Dr. S. Srinath
6	To attend Five day Workshop on "Recent Advances in Alternate Energy Scouces and Technology" at NIT Goa	Chemical	04.12.2016	11.12.2016	Dr.K.Ananda Kishore
7	To attend Five day Workshop on "Recent Advances in Alternate Energy Scouces and Technology" at NIT Goa	Chemical	04.12.2016	11.12.2016	Dr.G.Uday Bhaskar Babu
8	To attend Workshop on "Tntroduction to Gaussion 16: Theory and Practice" at New Delhi	Chemical	15.01.2017	21.01.2017	Dr.S.Vidyasagar
9	A Facile one pot Hydrothermal Synthesis of Three-Dimensional Reduced Graphene Oxide mediated Z-scheme Heterojunction Nanocomposite with Enhance Visible-Light Photocatalytic activity	Chemistry	17.01.2017	21.01.2017	Sri Sai Kumar.M
10	To Participate in a Workshop on Measuring Productivity in Higher Education at NIT Trichy	Chemistry and MED	18.09.2016	22.09.2016	Prof. IAK. Reddy and Prof. K. Madhu Murthy
11	To attend Smart Citries India Exhibition and Conference at New Delhi "Centre for Sustainable Infrastructure in Smart Cities (CSISC)	Civil Engineering	11.05.16	13.05.2016	Prof. CSRK. Prasad, Dr. K. Venkat Reddy, Dr. P. Hariprasad Reddy, Dr. D. Ravi Prasad and Dr. M. Shashi
12	To Attend International Convlave on Higher Education (ICHE- 2016) at Gandhi Nagar, Gujarat	Civil Engineering	17.10.2016	18.10.2016	Prof. CSRK. Prasad
13	To attend Research Symposium on Computing Conclave of NITs (CoCoNITs-2016) at NIT, Suratkal	Computer Science and Engg. Dept	13.10.16	14.10.16	Dr. Raju Bhukya
14	to Attend short term course on "Interduction to Cryptography" at IIT Kharagpur	Computer Science and Engg. Dept	27.01.2016	30.12.2016	B. Satish Babu
15	To attend Faculty Development Programme on High Performance computing latest trends and application at NIT Calicut	Computer Science and Engg. Dept	09.03.2017	11.03.2017	Dr. Raju Bhukya
16	To Attend 2nd International Conference on SCESM	Computer Science and Engg. Dept	27.01.2017	28.01.2017	Dr. Raju Bhukya
17	Training Program on "Free and Open Source Software for PG new entrants"	Electronics and Communication Engg. Dept.	06.08.2016	28.08.2016	Sri S.K.L.V.Sai Prakash
18	To attend Two day Workshop on "Academic Environment in Higher Technical Education: Future Perspectives" at NIT Jalandhar	Mathematics	30.09.2016	30.09.2016	Dr. D. Srinivasacharya

2. Programs attended by Non-Teaching at other Institute					
Sl. No	**Details**	**Department**	**From Date**	**To Date**	**Coordinator**
1	To attend 5 day training programme on "Secretartal Effectiveness for PPS, PA, PA and Fffice Staff" organized by Rajasthan State productivity Council, Jaipur at Mussoorie, Uttarakhaand	Non-Teaching	23.06.2016	27.06.2016	Sri R. Gopinath, Sri S. Venkateshwarlu, Sri Ch.Surya Prakasa Rao, Dr. B. Mangilal and Sri P. Rajendra Prasad
2	To attend the Technical Workshop on "Enhancing Efficiency & Effectiveness of PA/PS & Personal Staff"organized by Integrated Training & Policy Research (ITPR), New Delhi	Non-Teaching	12.07.2016	14.07.2016	Sri A. Vara Prasad
3	To attend National Workshop on "Advanced in Repair and Rehabilitation of Concrete Structures" at CSIR - CBRI Roorkee	Non-Teaching	21.09.2016	26.09.2016	Sri G. Ramesh
4	To attend training program on "Network security Administration (Become a security Guru in Firewall Administration) at Engineering Staff College of India, Hyderabad	Non-Teaching	14.11.2016	18.11.2016	Sri D. Govinda Rao and Smt. KSSS. Padmasri
5	To Attend Management Training Program at IIM, Raipur	Officer	25.07.2016	30.07.2016	Sri S. Chandrasekhar

3. A) Under graduate Students sponsored for Internship under MITACS Project, Canada					
Sl. No	**Details**	**Department**	**From Date**	**To Date**	**Coordinator**
1	Students Research Mobility programme with Mitacs, Canada under the Project TEQIP-II by C Sivakumar Project Title "Mesure De tres petits delais (picosecondes) sur FPGA Institute Name "Ecole Polytechnique de Montreal - Montreal"	Electronics and Communication Engg. Dept.	15.05.2016		Foreign Visit by Students
2	Students Research Mobility programme with Mitacs, Canada under the Project TEQIP-II by D Pragna Project Title "Self-Centering Concrete Structures" Institute Name "York University - Toronto"	Civil Engineering	15.05.2016		Foreign Visit by Students
3. B) Programs attended/ conducted for Students					
3	3 Day Workshop on Nano Structured Materials and Their Applications in Catalysis and Fuel Cells (NMCF- 2016)"	Student	29.09.2016	01.10.2016	Prashanth L Suryawanshi, Nitin M Thorat, Ashitosh D Darekar and Sharad D Pinjari
4	Two Weeks Course for PG Students of M.Tech (Environmental Engineering and others if Interested)	Civil Engineering Department	29.01.2017	10.02.2017	Prof.M. Chandra Shekar
5	Two day program on "Research Conclave 17"	Chemical Engg.Dept	18.03.2017	19.03.2017	Prof. SVS. Ramana Reddy
6	BAJA 2017	Mechanical Engg. Dept.	14.02.2017	21.02.2017	Prof.S. Srinivasa Rao
7	Two Day Workshop on “Smart Technologies for Smarter Living”	Electronics and Communication Engg. Dept.	18.03.2017	19.03.2017	Dr. B. Lakshmi

4. Programs attended / conducted for Research Scholars / PG Students					
Sl. No	Details	Department	From Date	To Date	Coordinator
1	PhD Scholar Research Paper" "IOT based weather information prototype using wemos"	Research Scholar	14.12.2016	17.12.2016	Archana Sahu
2	PhD Scholar Research Paper "A Low cost implementation of MQTT using ESP8266"	Research Scholar	14.12.2016	17.12.2016	Shishir Mahesh Kopulwar
3	PhD Scholar Research Paper " Implementation plan based on TOD Typology by Spatical Analysis using GIS for Dense Cities"	Research Scholar	19.12.2016	21.12.2016	Prashanth Shekar Lokku
4	PhD Scholar Research Paper "Capacity Analysis of Escalators: A Case study of Vijayawada Railway Station"	Research Scholar	19.12.2016	21.12.2016	Eswar Sala
5	PhD Scholar Research Paper Numerical study of fluid flow in a channel partically filled with porous medium with darcy brinkman forchheimer equation	Research Scholar	19.12.2016	21.12.2016	J Sharath Kumar Reddy
6	PhD Scholar Research Paper "Catalytic Evaluation of Oxidative Dehydrogenation of ethane by effect of chromium on sulphated silica catalyst"	Research Scholar	26.12.2016	31.12.2016	P Thirumala Bai
7	PhD Scholar Research Paper Title " Crowd behavior analysis through video surveillance"	Research Scholar	19.12.2016	22.12.2016	Poojari Yugender
8	PhD Scholar Research Paper Title "Synthesis, Characterization of bioglasses for In-Vitro Bioactivity Studies"	Research Scholar	11.12.2016	15.12.2016	M Mohan Babu
9	PhD Scholar Research Paper Title "Rhelogical behavior and Thermal Conductivity in CMC based hydrid nanofluid	Research Scholar	27.12.2016	30.12.2016	Banavath Anil Kumar Naik
10	PhD Scholar Research Paper Title "Financial Performance of Microfinance Institute in India: a Study based on Outreach and Profitability	Research Scholar	08.12.2016	12.12.2016	Muhammed Shafi M K
11	PhD Scholar Research Paper on"A Reversible Data Hiding using difference hirtogram modification on multi directional in two Dimentional Hustogram	Research Scholar	25.12.2016	26.12.2016	Anil Pinapati
12	PhD Scholar International Conference on Fiber Optics and Photonics (PHOTONICS-16)"	Research Scholar	02.12.2016	10.12.2016	P V N Kishore
13	PhD Scholar Research Paper "Application of Hadoop Map Reduce Framework to Detect Tandem Repeats in DNA Sequence	Research Scholar	21.11.2016	23.11.2016	Vandanababu Talakayala
14	PhD Scholar Research Paper " Study of Bridge weight-in-Motion using FBG sensors	Research Scholar	04.12.2016	10.12.2016	Sravanthi Alamandala
15	PhD Scholar Research Paper " Optimization of Zinc Stannate thin films by alternate thermal evaporation of Sn and Zn metals for TCO anode applications"	Research Scholar	21.12.2016	23.12.2016	R Ramarajan
16	PhD Scholar Research Paper "Optical Vortices in Higher order LP Modes for few mode optical fiber"	Research Scholar	04.12.2016	10.12.2016	C Hari Krishna
17	PhD Scholar for International Conference Paper Presented on "Ultrasound Assisted pre-treatment for efficient delignification of sawdust using sodium percarbonate"	Research Scholar	27.12.2016	30.12.2016	D Sushmitha
18	PhD Research Paper Presented on "Non-Linear System identification and control for wiener process using relay feedback Approach	Research Scholar	24.11.2016	26.11.2016	Devarapalli Kishore
19	PhD Scholar attended a short term training program on "Fractional Calculus Engineering Laboratory"	Research Scholar	15.11.2016	19.11.2016	Jaisingh Bhookya
20	PhD Scholar Paper Entitled "Eigen value and Eigen Vector Based Decomposition and Wishart Supervired classification on fully polarimdic SAR data"	Research Scholar	22.10.2016	23.10.2016	D Kiran Kumar
21	PhD Scholar paper Entitled " BER performance Evaluation of underwater communication system with spatial Diversity"	Research Scholar	22.10.2016	23.10.2016	B Pranitha

22	PhD Scholar research paper " 13th International IEEE india conference INDICON 2016"	Research Scholar	18.12.2016	18.12.2016	B Kiran Babu
23	PhD Scholar research paper " Numerical and experimental study of signal point incremental forming of AA5052 H32 aluminum alloy	Research Scholar	16.12.2016	18.12.2016	Mulay Amrut Shrikant
24	PhD Scholar research paper " Resampling schemes for Rao-Black wellization particle filters	Research Scholar	19.12.2016	21.12.2016	Sabthosh Kumar V
25	PhD Scholar research paper " Speech bandwidth extension using magnitude spectrum data hiding"	Research Scholar	19.12.2016	21.12.2016	Prasad Nizampatnam
26	PhD Scholar Research paper "Effect of Water Content and stress levels on permanent deformation of subgrade soil"	Research Scholar	15.12.2016	17.12.2016	Noolu Venkatesh
27	PhD Scholar Research paper " Effect of Gypsum on strength characteristics of lime modified pond ash as a slowing material"	Research Scholar	15.12.2016	17.12.2016	Sreelakshmi S
28	PhD Scholar Research Paper "Behaviour of pervious concrete pile under Axial Loading"	Research Scholar	15.12.2016	17.12.2016	Marlina Gowalla
29	PhD Scholar Research Paper "Identification and Design of Controller for PEM Fuel cell system"	Research Scholar	29.12.2016	30.12.2016	Srinivasarao Divi
30	PhD Scholar Research Paper " Effect of Graded Fibers on the Strength and post peak deformation capacity of glass fiber reinforced concrete	Research Scholar	21.12.2016	23.12.2016	Hanuma Kasagani
31	Topology Optimization using strain energy distribution for 2-D structures	Research Scholar	11.12.2016	14.12.2016	Bairy Srinivas
32	A novel three dimensional mesoporous microcrystalline vanadium incorporated KIT 6 catalyst: synthesis, characterization and selective liquied phase syclohexane oxidation studies	Research Scholar	17.01.2017	21.01.2017	Suman Chirra
33	A Novel mesoporus titanosilicate V2O5 nanocomposite synthesis, characterization and methylene blue photocatalytic degradation studies	Research Scholar	17.01.2017	21.01.2017	A Ajay Kumar
34	Pd Nanoparticales Embedded carbon Nanotube Interface for DMFC Applications	Research Scholar	17.01.2017	21.01.2017	V Sunil Kumar
35	"Flower Pollination Algorithm for partical discharge localization in power transformer using acoustic signal mesurements	Research Scholar	27.01.2017	27.01.2017	M Kalyan Chakravarthi
36	Paper Presented "Modelling of Seweage Network" National Symposium on recent advances in remote sensing and GIS with spacial emphasis on mountain ecosystem	Research Scholar	07.12.2017	09.12.2017	Peddinti Veerendra Satya Sylesh
37	Identification & Mapping of flash floods in urban areas using lyespatical techniques	Research Scholar	07.12.2017	09.12.2017	B Aneesha Satya
38	Site Amplification Studies at NITW Stadium using MASW	Research Scholar	19.12.2016	21.12.2016	Ravi Kumar Gautam
39	Synthesis and characterization of Dy3+ ion doped heavy metal oxides based tellurite glasses	Research Scholar	23.01.2017	25.01.2017	Vemula Himamaheshwara Rao
40	AC Conductivity studies of La doped Ba0.5Sr0.5Ti03"	Research Scholar	26.12.2016	30.12.2016	Slavia Deeksha D'souza
41	Optimal H2 - IMC based simple PID tuning rules for unstable time delay processes	Research Scholar	04.01.2017	06.01.2017	Purushottama Rao Dasari
42	National Conference on "Trends in environmental Engineering Management & Science	Research Scholar	09.02.2017	10.02.2017	Atul Navnath Muske
43	International and 18th ISME Conference on Enabling Sustainable Development in Mechanical Engineering	Research Scholar	23.02.2017	25.02.2017	Kareddula Vijaya Kumar
44	Computational Fluid Dynamics study of serpentine flow field proton Exchange Membrane fuel cell performance	Research Scholar	23.02.2017	25.02.2017	Venkateswarlu V
45	An Optimization of conformal cooling channel of injection Moulding parameters using Taguchi method	Research Scholar	23.02.2017	25.02.2017	G Venkatesh

46	A Survey on application of system dynamics in supply chain performance modeling	Research Scholar	23.02.2017	25.02.2017	K Jagan Mohan Reddy
47	Design and Analysis of Various Homogeneous Interconnected scaffold structures for Trabecular Bone	Research Scholar	23.02.2017	25.02.2017	V Phaindra Bogu
48	Modeling and Analysis of functionally graded cylindrical shell	Research Scholar	10.03.2017	12.03.2017	DT. Sarathchandra Babu
49	Comparing the performance & Viability of nano and microfluids in minimum quantity lubrication for machining AIS1040 steel	Research Scholar	10.03.2017	12.03.2017	Srinu Gugulothu
50	Comparison of Dimensional Errors in Medical Model using SLS and FDM Techniques	Research Scholar	23.02.2017	25.02.2017	Santosh Kumar Malyala
51	Modeling of degree of Hybridzation of Fuel Cell-Ultracapacitor for hybrid sport utility	Research Scholar	23.02.2017	25.02.2017	Venkata Koteshwara Rao
52	New error finction companding technique to minimize PAPR in LTE uplink communications	Research Scholar	02.03.2017	04.03.2017	K Shri Ramtej
53	Fitting based Post process refinement techniques for finite element analysis	Research Scholar	23.02.2017	25.02.2017	Sangamesh Gondegoan
54	Ultrasound Assisted Synthesis of Pt3-Co1/C Cathode Electrocatalysts for PEM Fuel Cells	Research Scholar	08.03.2017	10.03.2017	P Rajesh Kumar
55	A Novel method to apply Neumann boundary conditions for the analysis of beam with ID formulation using Isogeometric Analysis IGA	Research Scholar	11.12.2016	14.12.2016	Subrata Kumar Mondal
56	Modeling and optimization of wear characteristics of geleast fused silica ceramic composites using RMS	Research Scholar	10.03.2017	12.03.2017	Punugupati Gurabvaiah
57	Adaptive neuro fuzzy model development for prediction of cutting forces in milling with rotary tools	Research Scholar	10.03.2017	12.03.2017	Gopala Rao Thellaputta
58	Mechanical optical and transport properties of ultra thin au-ag-au tri-layer film on flenible PET substrate	Research Scholar	22.03.2017	24.03.2017	Ch Surya Prakasarao
59	Isolation, screening and optimization studies on L-Asparaginase from novel bacterial endophyte of ocimum tenuiflorum	Research Scholar	16.03.2047	17.03.2017	P Madhuri
60	Novel process design and development of cellulose acetate mixed matrix membranes for the removal of heavy metal arsenic from ground water	Research Scholar	16.03.2047	17.03.2017	Chandra sai Potta Durthi
61	Exploration of biofiller impregnated poly(acrylic acid) hydrogel for lead ion removel from aqueous solution	Research Scholar	16.03.2047	17.03.2017	Mayuri Bhatia
62	Enhancing efficiencies of construction projects through building information modelling techniques	Research Scholar	16.03.2017	17.03.2017	Krishna Prasad J P
63	Flexural and impact characterization of wheat flour reinforced epoxy composites treated with salt water	Research Scholar	17.03.2017	19.03.2017	Archana Yadav
64	Superiority of enhanced cross-flow split serpentine flow field design over triple serpentine flow field design in PEM fuel cell	Research Scholar	21.02.2017	23.02.2017	Abdulla Sheikh
65	Monitoring of curing activity in construction site using UAV	Research Scholar	22.02.2017	23.02.2017	Kumarapu Kumar
66	The Effect of Na2Sio3/NaOH on compressive strength of fly ash and GGBS based gerpolymer Mortar	Research Scholar	16.03.2017	19.03.2017	Gosangi Venkatesh
67	Spectral Irradiance Measurement of White Light LED source using FEL Type standard Source	Research Scholar	23.03.2017	25.03.2017	Shaily Vats
68	Seismic behavior of horizontally irregular RC Bulding	Research Scholar	17.03.2017	18.03.2017	Kartik Suresh Mahajan

Procurement of Goods under TEQIP Phase - II

S.No.	Item Name	Name of the Supplier	Dept.	Qty.	Amount
1	Radio Frequency Identification Device (RFID) Super safe GPS VT121-RD1190	M/s RF Infotech	CED	8	2,41,680.00
2	LED TV 40" (Philips BDL 4330QL HD)	M/s Saiveer Communications, Secunderabad	CED	8	3,28,844.00
3	Current Transducers and Voltage Transducers	M/s S.V. Electronics	EED	25	1,92,544.00
4	PVT Vistro & Visum Safety	M/s Sunova Tech India, Delhi	CED	1	15,05,538.00
5	Desktop Computers	M/s Microcare Computers Pvt Ltd., Hyderabad	CED	25	11,52,375.00
6	Voltage Source Inverter	M/s Pragna Micro Designs	EED	3	3,34,913.00
7	National Instruments Analog and Digital Acquisition Modules	M/s NI Systems (India) Pvt. Ltd.,	EED	2	4,64,996.00
8	DSPACE Microlab Box	M/s Dyna Fussion Technologies Pvt Ltd., Bangalore	EED	2	10,00,000.00
9	DSPACE Microlab Box	M/s Dyna Fussion Technologies Pvt Ltd., Bangalore	EED	1	13,45,125.00
10	National Instruments MUTISIM (Single User Netwrok Version)	M/s NI Systems (India) Pvt. Ltd., Bangalore	EED	1	59,800.00
11	National Instruments MYRIO Modules	M/s NI Systems (India) Pvt. Ltd., Bangalore	EED	4	1,67,889.00
12	3D Microscope	M/s Medimage Technologies Pvt Ltd., Hyderabad	MED	1	24,22,660.00
13	CNC Control Training Systems	M/s Global Engineers, Pune	MED	1	21,96,225.00
14	Speed Gun with Cemara	M/s Experio Tech Pvt Ltd., New Delhi	CED	2	13,27,500.00
15	Traffic Signal & Controllers	M/s Traffronics India Pvt Ltd., Pune	CED	2	7,71,120.00
16	Automatic number plate reorganization system (ANPR Systems)	M/s Aapka Communications Systems, Roorkee	CED	1	5,35,406.00
17	Thermo cale software	M/s Bhanu Scientific Systems Pvt. Ltd., Hyderabad	MMED	1	44,10,000.00
18	Thermal Conductivity Analyzer (HOT DISK TPS 500S)	M/s KAN-THI (India) Pvt. Ltd., Delhi	MED	1	23,68,125.00
19	Chasis Dynamometer	M/s SMS Auoline Equipments Pvt. Ltd., Chennai	MED	1	32,06,000.00
20	Potentiostat/ Galvanostat	M/s Metrohm India Ltd., Chennai	Chemical	1	22,75,235.00
21	Microwave Plasma Atomic Emission Spectormeter (MPAES)	M/s Agilent Technologies Pvt. Ltd., Bangalore	CED	1	34,00,000.00
22	5KW Solar PV panels	M/s Green Life Energy Solutions LLP., Secunderabad	EED	1	7,10,831.00
23	Modernizing Laboratories - Vector Signal Transceiver	M/s NI Systems India Pvt. Ltd., Bangalore	ECED	1	44,95,494.00
24	Modernizing Laboratories - 20GHs Function Generator	M/s Inox Technologies, Secunderabad	ECED	1	14,87,850.00

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 & Rs.75.00 lakhs was released in 2016-17.

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. Development cost-effective, efficient hybrid energy fed power converters.

- No. of Research Projects being done and completed
  Ongoing : 5
  Completed : 8

- Nos. of publications in the thematic areas by the CoE members
  Journals : 33
  Conferences : 14

- No. of workshops/seminars organized : 6

- Patents 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. ShirishSonawane and others.

- No. of students enrolled for PhD and awarded
  Awarded : 0
  Working : 20

- No. of MoUs with Industry under CoE : 1 (M/s. ARCI Chennai)

TEQIP-II CoE – SUSTAINABLE ENERGY STUDIES

Procurement of Goods (2016 - 17)

S.No	Name of the Item	Name of the Supplier	Qty.	Amount	Dept.
1	PEM Fuel Cell - 50 -100 watt Capacity Hardware	M/s. Vinpro Technologies, Hyderabad	1	9,19,783.00	MED
2	2 TB Hard Disk Seagate	M/s Micro Care Technologies,Hanakonda	2	15,000.00	MED
3	Converge Software	M/s. Comupational Engineering India Pvt Ltd.,Pune	1	5,07,875.00	MED
4	Smoke Meter	M/s. AVL India Private Ltd., HARYANA	1	1,78,925.00	MED
5	10 kW Programmable DC Power	M/s. Electronic Enterprises (INDIA) Pvt Ltd.,Hyderabad	1	7,38,525.00	EED
6	Programmable Electronic Load	M/s. Aimil Ltd., Instrumentation & Technologies, New Delhi	1	10,89,270.00	EED
7	Water Dispenser	M/s. Southern Agencies, Warangal	3	31,890.00	MED
8	Academic License	M/s. ESTECO Software India Pvt. Ltd., Pune	1	15,000.00	MED
9	Gas Cylinders	M/s. Sai Varadayini Enterprises., Medak Dist. Telangana State	14	1,70,520.00	Chemical
10	Direct Absorption Solar Collector	M/s Dharani Enterpriser, Sec'bad - 500 025	1	74,865.00	MED
11	Digital Camera with Accessories	M/s. Computer Gallery, Warangal - 506 001 T.S	1	49,900.00	MED
12	Multimedia Projector & screen	M/s. Pranava Tech Solutions, Hyderabad - 500 036	1	41,749.00	MED
13	Visual Presenter	M/s. Pranava Tech Solutions, Hyderabad - 500 036	1	77,860.00	MED
14	High End Note Book	M/s. Computer Gallery, Warangal - 506 001 T.S	1	76,500.00	MED
15	5 KVA Static Converter - UPS	M/s. Power One Micro Systems Pvt Ltd Bangalore -560058,	3	3,01,026.00	MED

Teaching and Research Assistantships for enrollment in Masters and Doctoral programmes under CoE:

An amount of Rs. 50.00 lakhs has been allocated in the Budget for providing Teaching and Research Assistantships for enrollment in Master's and Doctoral programmes in the thematic areas of the CoE. SEVEN Ph.D. scholars are already admitted under this CoE and are working in the thematic areas of the CoE. These scholars will be working with the CoE members in the thematic areas of the CoE.

Sl No.	Roll No.	Name of the Scholar	Department	Period of Fellowship	Rate of Fellowship	Peroid	Total Amount in Rs.
1	716118	KunchamSateesh Kumar	Elect.Engg.	14.07.2016 to 31.03.2017	@ Rs. 25,000/- per month	8 months & 18 days X 25000	2,14,516.00
2	716119	V K SatyakarVeeramallu	Elect.Engg.	15.07.2016 to 31.03.2017		8 months & 17 days X 25000	2,13,710.00
3	716132	Sankepally Chandrasekhar	Mech.Engg	20.07.2016 to 31.03.2017		8 months & 12 days X 25000	2,09,677.00
4	716133	Gawale Ganesh Rupchand	Mech.Engg	14.07.2016 to 31.03.2017		8 months & 18 days X 25000	2,14,516.00
5	716134	Balijepalli Ramakrishna	Mech.Engg	15.07.2016 to 31.03.2017		8 months & 17 days X 25000	2,13,710.00
6	716166	Basant Kumar Pillai	Chem. Engg.	14.07.2016 to 31.03.2017		8 months & 18 days X 25000	2,14,516.00
7	716167	P Narasimha	Chem. Engg.	15.07.2016 to 31.03.2017		8 months & 17 days X 25000	2,13,710.00
						Total Rs.	**14,94,355.00**

Project Assistants to work in Centre of Excellence (CoE)

Applications are invited for a few temporary posts of Project Assistants to work in Centre of Excellence (CoE) under TEQIP-II on "Sustainable Energy Studies" to work in the thematic areas of Solar Energy, Fuel Cells, Bio-energy and Energy systemsCoE to a maximum period of six months(i.e., June, 2016 – November, 2016) paying emoluments of Rs. 25,000/- per month to each.

S.No	Name of the Candidate	Department	Date of Joining
1	RudrarapuTejaswi	E.E.E	03.06.2016
2	Mulkalapelli Janaki	E.E.E	06.06.2016
3	KanaveniRajitha	E.E.E	09.06.2016
4	BoodidaKeerthi Kumar	E.E.E	09.06.2016
5	SnehaShahare	M.E.D	13.06.2016
6	Vivek Tiwari	M.E.D	13.06.2016

Visits/Conferences under CoE (2016- 17):

- Three Staff members, namely
  1. Prof. S. Srinivasa Rao, Coordinator-CoE, Professor MED
  2. Dr. B.L.Narashimha Raju, Asst. Professor EED
  3. Dr. P.V.Suresh, Asst. Professor Chemical

  Visited SIT, Tumakuru, Karnataka – To attend a National Conference on "*Sharing of Achievementsand Innovative Ideasof TEQIP-II/CoEs*" (from 20th – 24th April, 2016).

- Four Staff members, namely
  1. Prof. S. Srinivasa Rao, Coordinator-CoE, Professor MED
  2. Dr. D. Jayakrishna , Asst. Professor MED
  3. Dr. K. Kiran Kumar, Asst. Professor MED
  4. Dr. KarthikBalasubramaniam, Asst. Professor MED

  Visited M/s. National Institute of Solar Energy (NISE), New Delhi – To discuss with Sri S. K. Singh, (SEC) Scientist –F and understand various technologies of Solar Energy (from 13th – 15th July,2016).

- One of our Staff member, namely
  1. Dr. .V. Rajesh Khana Raju, Asst. Professor MED

  Visited GB Pant University of Agriculture and Technology, Panthnagar, Uttarakhand– To interact with CoE officials in connection with "*Conclave for Research Excellence through Collaboration*" (On 8th October, 2016).

- One of our Staff member, namely
  1. Prof. S. Srinivasa Rao, Coordinator-CoE, Professor MED

  Attended TEQIP-II-Coe Review meeting by MHRD & National Project Directors at New Delhi (From 18th – 20th October, 2016).

3.0 THE STAFF

Director: Prof. T. Srinivasa Rao (upto 30.06.2016)

Prof. R.V. Chalam (from 01.07.2016 to 26.08.2016)

Prof. G. Ramachandra Reddy (from 27.08.2016)

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 soils Constitutive modeling of soils Soft 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 mechanics to 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 (NIT, Wgl)	2006	Power System Stability & HVDC
13	S. Porpandiselvi	Assistant Professor	Ph.D. (NIT, Wgl)	2006	Power Electronics and Drives
14	P. Srinivasan	Assistant Professor	M.Tech, Ph.D (NIT, Wgl)	2012	Multilevel Inverters
15	Chandrasekhar Yammani	Assistant Professor	M.Tech, Ph.D (NIT, Wgl)	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 NITW (2017)	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 Research
1	R. V. Chalam	Professor	Ph.D IIT Kanpur	1981	Design, Dynamics, Kinematics
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	V. Vasu	Asst. Professor	Ph. D JNTU-HYDERABAD	2008	Nano materials, Mechatronics, Manufacturing
23	T. Sadasiva Rao	Asst. Professor	Ph. D NIT Warangal	1993	Manufacturing & Foundry
24	P. Subhash Chandra Bose	Asst. Professor	Ph. D NIT Warangal	2008	Machining of High Temperature Alloys
25	M. Joseph Davidson	Asst. Professor	Ph. D NIT Warangal	2008	Metal Forming Statistical Modeling
26	G. Naga Srinivasulu	Asst. Professor	Ph. D Andhra University	2008	PEM Fuel Cells, Heat Transfer
27	K. Kiran Kumar	Asst. Professor	Ph. D IIT Kharagpur	2012	Heat Transfer, Nano Fluid
28	V. Rajesh Khana Raju	Asst. Professor	Ph. D IIT Kharagpur	2012	Fluid Dynamics, CFD
39	K. Srikanth	Asst. Professor	Ph. D Florida International University, USA	2012	Piezoelectric Energy Harvesting
30	V. Hari Kumar	Asst. Professor	Ph. D IIT Kanpur	2012	CAD and Optimization
31	B. Satish Ben	Asst. Professor	Ph. D Andhra University	2013	Structural health monitoring
32	V. P. Chandra Mohan	Asst. Professor	Ph. D, IIT Delhi	2013	CFD, Drying
33	Syed Ismail	Asst. Professor	Ph.D / IIT Kharagpur	2013	Tribology, Lubrication, Surface Texturing, Nano-Tribology
34	Kanamani Subbu S.	Asst. Professor	Ph. D IIT Kanpur	2013	Micro Manufacturing, Laser Surface Treatment, Composite Fabrication and Machining, and Additive Manufacturing.
35	D. Jayakrishna	Asst. Professor	Ph. D IIT Madras	2013	Solar Energy CFD
36	G. Raghavendra	Asst. Professor	Ph. D NIT Rourkela	2013	Materials, Composites, Tribology
37	P. Vamsi Krishna	Asst. Professor	Ph. D Andhra University	2014	Machining processes
38	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	N.V.S.N Sarma	Professor	PhD IIT Kharagpur	1990	Antennas, Wireless Sensor Network
2	M.V.Raghunadh	Associate Professor	M.E/M.Tech IIT Roorkee	1985	Image Processing, Communication systems
3	C.B. Rama Rao	Associate Professor	PhD IIT Kharagpur	1982	ADSP, Architectures and Algorithms DSP
4	K. Ravi Kishore	Associate Professor	M.Tech NIT Warangal	1985	Wireless Sensor Networks
5	S.K.L.V Sai Prakash	Associate Professor	M.Tech Kakatiya University	1992	Wire/Wireless Communication, WSN/IOT
6	P. Harikrishna Prasad	Associate Professor	M.E/M.Tech S.V. University	1993	Wireless Communication
7	B.Laxmi	Associate Professor	PhD IIT Kharagpur	1990	Digital system design, Embedded system Design, VLSI Architecture
8	N. Bheema Rao	Associate Professor	PhD IIT Bombay	1993	On-Chip Inductors for RF circuits
9	T. Kishore Kumar	Associate Professor	PhD JNTU Hyderabad	1999	Speech Signal Processing
10	L. Anjaneyulu	Associate Professor	PhD NIT Warangal	1997	Radar Signal Processing, Antennas, Communications, Computer Networks, GPS System
11	K.V Sridhar	Associate Professor	M.E/M.Tech NIT Warangal	1997	BioMedical Signal Processing
12	T.V.K. Hanumantha Rao	Associate Professor	M.E/M.Tech IIT Delhi	1992	Biomedical Signal Processing, VLSI
13	P. Sreehari Rao	Associate Professor	PhD NIT Warangal	1999	Analog and Mixed IC Design
14	A.Prakasa Rao	Associate Professor	M.E/M.Tech Pondicherry University	1999	Communication Systems, Smart Antennas
15	P. Muralidhar	Associate Professor	M.E/M.Tech NIT Warangal	1997	Embedded Systems, FPGA based Digital Systems
16	P.Prithvi	Assistant Professor	M.E/M.Tech NIT Warangal	1997	Speaker Identification
17	V.Rama	Assistant Professor	M.E/M.Tech NIT Warangal	1999	Biomedical Signal Processing, Artificial Neural Networks, FPGA Implementations of SP Algorithms
18	J. Ravi Kumar	Assistant Professor	PhD NIT Warangal	2006	Signal Processing, Control System design
19	D. Vakula	Assistant Professor	PhD NIT Warangal	2006	Antennas, Communications Systems
20	K.Sarangam	Assistant Professor	M.E/M.Tech NIT Warangal	2006	Low Power Analog IC Design, Low Power/ Low Voltage ADC
21	S. Anuradha	Assistant Professor	PhD Andhra University	2008	Wireless Channel Modelling
22	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	G.V.S.Nageswara Rao	Professor	Ph.D, NITW	1996	Surface Engineering, Powder Metallurgy, Material Testing and Characterization and Thermomechanical Processing
3	N.Narasaiah	Assoc. Professor	Ph.D, IIT-Kgp	2012	Deformation Behavior of Materials, Fatigue & Fracture, Failure Analysis
4	C. Vanitha	Asst Professor	Ph.D, IITB	2008	Texture
5	Asit Kumar Khanra	Asst. Professor	Ph.D, IITKgp	2008	Powder Metallurgy & Ceramics
6	V. Rangadhara Chary	Asst. Professor	M.Tech, IITK	2012	Phase Transformations, Nanomaterials
7	Ajoy Kumar Pandey	Asst. Professor	Ph.D, IITKgp	2013	Bioceramics, Powder Metallurgy, Shape Memory Alloys
8	Brahma Raju Golla	Asst. Professor	Ph.D, IITK	2013	Ultra High Temperature Ceramics, Structure-Property Correlation, Tribology of Materials
9	R. Arockia Kumar	Asst. Professor	Ph.D., KAIST, South Korea	2014	Shape memory alloys, Physical Metallurgy, Alloy development, Severe Plastic Deformation
10	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	Y. Pydisetty	Professor	PhD (IIT Madras)	1996	Fluidization Engineering, Wastewater Treatment, microbial fuel cells, bioethanol production, fluidized bed drying
2	A. Sarat Babu	Associate Professor	PhD (NIT Warangal)	1987	Modelling, Simulation & Optimization
3	A. Venu Vinod	Associate Professor	PhD (NIT Warangal)	1996	Biological Wastewater Treatment, Fluidized bed Bioreactors, CFD, Heat Transfer using Nanofluids, Spout-fluid beds
4	K. Srivani	Associate Professor	PhD (NIT Warangal)	1996	Biochemical Engg.
5	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
6	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.
7	S. Srinath	Associate Professor	PhD (NIT Warangal)	1999	Thermal Conversion of biomass, catalysis, Biofuels, Microreactors, Process simulation
8	A. Seshagiri Rao	Associate Professor	PhD (IIT Madras)	2013	Process Dynamics and Control PID Tuning Multivariable Control Time Delay Systems Nonlinear Dynamics Model Based Control Waste water treatment
9	T. Sunil Kumar	Assistant Professor	PhD (Univ. Notredam)	2012	Simulation of Corrosion, Microfluidics
10	P. V. Suresh	Assistant Professor	PhD (IIT Madras)	2012	Fuel Cells, Chemical Looping Combustion, Flow batteries, CFD, Modelling and Simulation

11	G. Uday Bhaskar Babu	Assistant Professor	PhD (IIT Kharagpur)	2013	Modeling and Simulation, Energy Integration, Process Control
12	S. Murali Mohan	Assistant Professor	PhD (IIT Delhi)	2013	Flow Batteries, Fuel Cells, Membrane Separations and Membrane Synthesis and Characterization
13	V. Ramsagar	Assistant Professor	PhD (IIT Delhi)	2013	Process Scheduling, Heat Integration, Modelling, Simulation and Optimization
14	Vidyasagar Shilapuram	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 (On Deputation)	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	PhD NITW	1999	Distributed Systems and Parallel Processing
7	R.B.V.Subramanyam	Associate Professor	PhD IIT KGP	2008	Data Mining and Data warehousing
8	S. Ravichandra	Assistant Professor	PhD NITW	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. (NIT, Wgl.)	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. Radha krishnamacharya	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. Kasi vishwanadham	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	G.R.C. Reddy	Prof. & Director I/c.	Ph. D, KU, Wgl.	1980	"A Study of Noise in Optical Information Processing" – Physics (Optics)
2	S.V.S. Ramana Reddy	Professor	Ph. D, Andhra Univ.	1986	Nuclear Physics and Polymer Materials
3	L. Ramgopal Reddy	Professor	Ph. D, REC-Warangal	1987	Medical Instrumentation & Super Capacitors
4	M. Sai Shankar	Professor	Ph. D, REC-Warangal	1986	Applied Optics
5	R. L. N. Sai Prasad	Professor	Ph. D, REC-Warangal	1986	Applied Optics
6	K.Venugopal Reddy	Assoc. Professor	Ph. D, Hyd. Central Univ.	1992	Materials Science, Condensed Matter Physics
7	B. Sobha	Assoc. Professor	Ph. D, IIT Madras	1992	Sensors, Transducers and Related Instrumentation
8	D. Dinakar	Assoc. Professor	Ph. D, Kakatiya University	1995	Electronics, Photonic Sensors
9	T. Venkatappa Rao	Asst. Professor	Ph. D	2008	Materials Science, Electronics Fiber optic sensors
10	P. Syam Prasad	Asst. Professor	Ph. D	2008	Bio-glasses
11	P. Abdul Azeem	Asst. Professor	Ph. D, Sri Krishnadevaraya University	2008	Materials Science (Glass science, Bio Glass ceramics, Nanophoshpors)
12	Sourabh Roy	Asst. Professor	Ph. D, IIT Kharagpur	2012	Photonics
13	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)
14	Kusum Kumari	Asst. Professor	Ph. D, IIT Delhi	2013	Organic Solar Cells
15	D. Paul Joseph	Asst. Professor	Ph. D, University of Madras	2013	Thin films, Magnetic nanomaterials, Spintronics, Solar cells & Electrochromism
16	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	A. Ramachandraiah	Professor	PhD (University of Hyderabad)	1985	• Coordination Chemistry • Electrochemistry
2	P.Nageswara Rao	Professor	Ph.D. (Kakatiya University)	1980	Analytical Chemistry (Instrumental Methods of Analysis)
3	K.Laxma Reddy	Professor	M.Sc, Ph.D Kakatiya University	1987	Coordination Chemistry/ Environmental Chemistry
4	V. Rajeshwar Rao	Professor	Ph.D	1995	Synthetic Organic Chemistry
5	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
6	P. V. Srilakshmi	Associate Professor	Ph.D	2006	Bio-organic Chemistry

7	N. Venkatathri	Assistant Professor	Ph.D. (National Chemical Laboratory, Pune)	2008	Advanced Materials, Heterogeneous Catalysis and Biomaterials
8	Vishnu Shanker	Assistant Professor	Ph.D	2008	Materials Science
9	D. Kashinath	Assistant Professor	Ph.D, IIT Bombay, Powai, Mumbai	2012	Organic Synthesis
10	K. Hari Prasad	Assistant Professor	Ph.D	2013	Synthetic organic chemistry
11	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 Pt 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. (upto 01.08.2016)	
	Prof. Y.N. Reddy	Registrar I/c. (from 02.08.2016)	
2.	Dr. A. Kumar	Associate Dean (Academic)	Academic
3.	Dr. M. Ravinder Reddy	Associate Dean (Accounts)	Accounts
4.	Dr. D. Dinakar	Associate Dean (Admin) (upto 21.10.2016)	Administration
	Dr. T.D. Gunneswara Rao	Associate Dean (Admin) (from 21.10.2016)	
5.	Dr. K. Venugopal Reddy	Associate Dean (Examinations)	Academic
6.	Sri T. Paul	Asst. Registrar (Acad) (Officiating) (upto 30.06.16)	Academic
7.	Sri R. Sammi Reddy	Librarian (utpo 30.09.2016)	Central Library
8.	Sri G. Ramesh	Executive Engineer	P.E. Office
9.	Sri R. Veeraswamy	Sr. Technical Officer	MED
10.	Sri K.Yella Swamy	Technical Officer	MED
11.	Sri S. Chandrasekhar	Asst. Registrar	Central stores
12.	Sri P. Mohan	Principal Technical Officer	Computer Centre
13.	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

SUPERINTENDENT

1. Samel P
2. Samba Murthy M
3. Sudhakar M (up to 31-12-2016)
4. Zafar Md
5. Gopinath R
6. Quraishi A.A

ASSISTANT (SG-II)

1. Shyamala J (up to 27-08-2016)
2. Parasuramulu R
3. Sridhar Rao M
4. Bhasker J
5. Prakasa Rao Ch.S (up to 27-08-2016)
6. Venkateswarlu S (up to 27-08-2016)
7. Jai Singh A
8. Dilip Kumar T
9. Prem Kumar P
10. Narender V
11. Srinivas Rao K
12. Suresh V
13. Aliullasha Khader Md
14. Mahesh Kumar Y
15. Hymavathi P (from 29-08-2016)
16. Veda Prakash G (from 29-08-2016)
17. Srinivas R (from 29-08-2016)

JUNIOR ASSISTANT

1. Ramesh D
2. Vara Prasad A
3. Bhaskar P
4. Shoukat Ali Md.
5. Rajendra Prasad P
6. Suresh kumar. M
7. Srinivas J
8. Jafar Md (from 01-07-2016)

SENIOR STENOGRAPHER

1. Renuka D
2. Ashok Kumar P

S.No. Name & Designation

SENIOR SUPERINTENDENT

1. Raju G

ASSISTANT (SG-I)

1. Prakash S S
2. Quamar Pasha S A
3. Shamshul Hussain Md
4. Bala Subramanyam G
5. Shiva Kumar P
6. Rama Rao A
7. Mallaiah R
8. Srinivasa Reddy M
9. Sanjeeva M
10. Kiran Kumar T
11. Sadar Lal M
12. Afzal Md.
13. Nagender Rao K
14. Shyamala J (from 28-08-2016)
15. Prakasa Rao Ch.S (from 28-08-2016)
16. Venkateswarlu S (from 28-08-2016)

SENIOR ASSISTANT

1. Hymavathi P (up to 28-08-2016)
2. Veda Prakash G (up to 28-08-2016)
3. Srinivas R (up to 28-08-2016)
4. Dayakar P
5. Bhaskar T
6. Someshwar Rao A
7. Ms. Husna
8. Padmaja G
9. Kiran Kumar A
10. Ashwin Kumar D
11. Dr. Nanu Lunavath
12. Indira Priyadarshini B
13. Srinivas T
14. Dr. Mangilal B **(on EOL)**
15. Rajanna M
16. Jagadeesh Kumar A

S.No. Name & Designation

TECHNICAL ASSISTANT SG-II

1. Rameeja Bee K

TECHNICAL ASSISTANT

1. Ramesh K

TECHNICIAN (SG-I)

1. Siddiramulu T
2. Srinivas B
3. Kumaraswamy G (Rtd. on 31-03-2017)
4. Suryanarayana T
5. Harinath N
6. Chandra Murthy V
7. Nagabhushanam A
8. Savvaiah G (Rtd. on 31-08-2016)
9. Rasheed Md
10. Narasimha M
11. Venkateswarlu V
12. Ramesh K(Jr.)
13. Laxman A
14. Veeranna T

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

S.No. Name & Designation

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
9. Rangilal B

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
15. Vijay Kumar K
16. Anand Singh K
17. Mahendra Kumar K
18. Sunil Kumar D
19. Devender B

WORK ASSISTANT

1. Santosh G (from 05-07-2016)
2. Ramesh A (from 18-07-2016)

S.No.	Name & Designation
	JUNIOR ASSISTANT (UPGRADED)
1.	Ramesh A
2.	Bhaskar M
3.	Sambaiah N (Exp. on 05-02-2017)
4.	Sivaprasad V (Exp. on 02-12-2016)
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.	Farooq Azam Md
14.	Narayana. G
15.	Kamala K
16.	Kumar Swamy M
17.	Krishna Veni P
18.	Rajender K
19.	Somaiah G
20.	Sambaiah G
21.	Sanjeevaiah K
22.	Balaji Singh T
23.	Gouri Shankar G
24.	Sambaiah A
25.	Tirupathi B
26.	Srihari G
27.	Inqushaf Ali Md.
28.	Sridhar Kumar G
29.	Devadas T
30.	Ramesh V
31.	Abdul Gaffar Md
32.	Ravinder M
33.	Eshwar P
34.	Bikshapathy A
35.	Narasimhulu N
36.	Srikanth P
37.	Narasaiah J
38.	Aruna Mary D
39.	Shaheen Begum
40.	Zaheeruddin Md.

S.No.	Name & Designation
	TECHNICIAN (UPGRADED)
1.	Rajaiah K
2.	Ramesh J
3.	Yellaiah N (Rtd. on 31-08-2016)
4.	Srinivas A
5.	Mallikarjun K
6.	Veeraiah P
7.	Saraiah G
8.	Ilaiah B
9.	Jumani L
10.	Rajaiah A (Rtd. on 30-06-2016)
11.	Takur B
12.	Komuraiah S (Exp. on 02-12-2016)
13.	Ilaiah P(Jr.)
14.	Komuraiah K (Jr)
15.	Veeraswamy(Jr.) G
16.	Hajia D
17.	Dayakar Y
18.	Yadamma V
19.	Nagamani V
20.	Hussain Md
21.	Afzal Md
22.	Saraiah P
23.	Yadimallu P
24.	Murali Krishna K
25.	Laxmi T
26.	Palaiah P
27.	Ramulu B
28.	Venkatamma K
29.	Rajamma J
30.	Rajanna J
31.	Ilaiah R
32.	Shankariah M
33.	Sajeeda Khatoon
34.	Surayya B
35.	Jayasri B
36.	Pratap G
37.	Murali G
38.	Saraiah G
39.	Venkataiah T
40.	Yadagiri C
41.	Veeraiah K
42.	Sailu T
43.	Yakaiah J
44.	Yakub B
45.	Komuraiah A
46.	Ilaiah T(Jr)
47.	Kumara Swamy A

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 (Rtd. on 30-06-2016)
18. Babu Rao M
19. Ramulu .N
20. Ilaiah A
21. Komaraiah N (Rtd. on 30-06-2016)
22. Ilaiah(Sr) T (Rtd. on 30-06-2016)

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

CARETAKER SG-II

1. Ialiah G
2. Krishna Swamy N
3. Sambaiah G
4. Chandru G
5. Sadanandam B
6. Kumara Swamy B
7. Yellaiah S
8. Azeez Khan Md
9. Raju K
10. Sambaiah Gillapally
11. Ramulu N
12. Afzal Pasha. Mohd
13. Sammaiah P
14. Mondaiah Ch (Exp. on 03-05-2016)

ATTENDANT

1. Ashok K (from 30-06-2016)

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	Dynamic Material failure- Prof A.M.Rajendran, Univ of Mississippi, USA	13.6.16	23.6.16	Faculty of Civil-Structural Engg (28)	GIAN- MHRD	Dr.T.P.Tezaswi & Dr P.Ratish Kumar
2	Ground Improvement Techniques- Dr.Hemath Hazarika, Kyusho Univ, Japan	30.8.16	9.9.16	Faculty of Civil – (25)	GIAN-MRD	Dr.V.Ramanamurthy, Dr.Kalyan Kumar & Dr.Rakeshpillai
3	Low volume Roads-Best Engineering Practices- Prof Gordan Kellar, USA	26.9.16	30.9.16		GIAN-MHRD	Dr.Venkaiah Chowdary & Dr. S.Shankar
4	Quantitative and Qualitative Assessment of Water Resources using SWAT – Prof R.Srinivasan, Texas A&M Univ, USA	12.12.16	23.12.16		GIAN-MHRD	DR.K.Venkata Reddy & Devapratap
5	Emerging Methods for Activity-Travel Demand Modelling and Simulation – Prof Ram.M.Pendyala & Dr.Venu M.Garikapati, ASU, USA	26.12.16	30.12.16			Prof.C.S.R.K.Prasad & Dr. Arpan meher
6	Low Volume Roads	Sept-Dec, 2016		Different State Govt. Engineers		Prof. CSRK Prasad & Dr.Shankar-Coordinators
7	3 days workshop on "Waste management Technologies for Urban Areas	23.1.17	25.1.17		TEQIP-II	Dr.E.Venkat Rathnam & P.V.Rao
8	Life Cycle Assessment - Dr Lucia Rigamonti, Professor, Department of Civil and Environmental Engineering (DICA) of Politecnico di Milano has delivered the lectures	30.1.17	10.2.17	PG Students of Environmental Engg- (25)	TEQIP-II	Prof.M.Chandrasekhar
9	Training on Mike Flood and Mike Urban	11.7.16	13.7.16	PG Students of Water Resources Engg & (25)	ITRA	Prof.N.V.Umamahesh
10	A 5-DAY FACULTY DEVELOPMENT PROGRAM under TEQIP_II on Limit State Design of Steel Structures (LSDSS)	20.2.17	24.2.17		TEQIP-II	Dr.TDG Rao & M.Sudhakar
11	3-DAY FACULTY DEVELOPMENT PROGRAM under TEQIP_II on Advances in Design of Prestressed concrete Structures	3.3.17	5.3.17		TEQIP-II	Dr.TDG Rao & Dr M.V.Sivakumar
12	3-DAY FACULTY DEVELOPMENT PROGRAM under TEQIP_II on Finite Element Applications in Engineering Analysis"	10.3.17	12.3.17		TEQIP-II	Dr.Ravi Prasad & Dr Gopi Krishna
13	3-day workshop on "Analysis and Design of Water Distribution Networks"	16.3.17	18.3.17		TEQIP-II	Dr.Venkatarathnam & Dr. Ajey Patel

14	Three Day Workshop on "Condition Assessment and Rehabilitation of Structures (CARS 2017)“	17.3.17	19.3.17		TEQIP-II	Dr.P.Ratish Kumar & Dr.S.Venkateshwar Rao
15	Three Day Workshop on “Recent Advances in Concrete Technology (ReACT)“	20.3.17	22.3.17		TEQIP-II	Dr.G.Rajesh Kumar, Dr.P.Ratish Kumar & Dr.S.Venkateshwar Rao
16	Three Day Workshop on ‘Advances in structural health monitoring for Civil Infrastructure (ASHMCI)’	22.3.17	24.3.17		TEQIP-II	Dr.K.Gopikrishna, Dr.P.Ratish Kumar, Dr.Sivakumar , Dr.Shashi& Dr.Tezeswi
17	High rise buildings and Soil Structure interaction’	25.3.17	26.3.17		TEQIP-II	Dr Kalyankumar & Dr.M.V.Sivakumar
Electrical Engineering Department:						
1	GIAN (Global Initiative for Academic Networking) – Distribution Generation and Renewable Integration : Forecasting Tools and EMS towards smart grids/smart cities	23.5.16	3.6.16	Academic faculty from various institutes and participant from industries (55)	MHRD, New Delhi	Prof. M. Sydulu and Dr. M. Sailaja Kumari Institute coordinator of GIAN: Prof. CSRK Prasad
2	Workshop on PMLK & C2000	22.3.17	24.3.17	B.Tech, M.Tech and PhD Students (40)	Texas Instruments-University Program	Prof.V.T.Somasekhar
Mechanical Engineering Department:						
1	Computational Research Techniques using MATLAB (CRT2016)	26.12.16	31.12.16	Total participants: 70	Self Finance	Dr. Hari Kumar V Dr. Kiran Kumar K Dr. Syed Ismail
2	Essential Techniques for Research Problems in Manufacturing and Measurements (ETRPMM-2016)	11.7.16	15.7.16	Faculty members of Engg. Colleges and Research Scholars (40)	Self Financed	Dr. M J Davidson Dr. N Venkaiah Dr. S Subbu
3	Modeling an d simulation for Engineers	3.7.17	22.7.17	Faculty	MHRD	Dr. V. Vasu, Dr. K. Srikanth
4	A One-Week GIAN Course on “3D Printing and Additive Manufacturing”	20.6.16	24.6.16	Faculty: 23 Industry: 03 Ph.D Scholars: 43 TOTAL: 69	MHRD under GIAN Scheme	Dr. Y. Ravi Kumar
5	Effective methods of teaching the course on I C Engines and Alternate Power sources for Automobiles	19.6.17	24.6.17	Faculty from Engineering Colleges and Research scholars	Teaching Learning Centre-PMMMNMTT-MHRD	G.Amba Prasad and Dr. G.NagaSrinivasulu
1	Short term training program (STTP) on "Application of Process Simulators in Chemical and Bioprocess Engineering (APSCBE 2016)"	30.5.16	3.6.16	Students, Research scholars, Industry persons, Academicians	Continuing Education Programme (CEP)	Dr. A. SarathBabu, Dr. P. V. Suresh Dr. V. Ramsagar
2	6 day FDP on “Outcome Based Education”	6.6.16	11.6.16	Research scholars, Industry persons, Academicians	Dhanekula Institute of Engineering and Technology, Vijayawada under E&ICT Academy	Dr. A. SarathBabu
3	GIAN course on “Crystallization Systems Engineering”	5.9.16	9.9.16	Students, Research scholars, Industry persons, Academicians	MHRD, GIAN	Dr. A. Seshagiri Rao Dr. P.V. Suresh
4	4 day workshop on Process Simulation	18.9.16	21.9.16	Students, Research scholars, Industry persons, Academicians	Gandhi Institute of Engg. and Technology, Gunupur, Odisha	Dr. A. SarathBabu Dr. V. Ramsagar

5	4 day workshop on "Process simulation using Open Source Simulator, DWSIM"	20.10.16	24.10.16	Students, Research scholars, Industry persons, Academicians	Dr. Baba SahebAmbedkar Technological University, Lonere, Maharashtra	Dr. A. SarathBabu Dr. V. Ramsagar
6	6 day GIAN course on "Computer Aided Simulation of Chemical Processes"	22.11.16	27.11.16	Students, Research scholars, Industry persons, Academicians	MHRD, GIAN	Dr. A. SarathBabu Dr. V. Ramsagar
7	GIAN course on "Advances in Process Control"	12.12.16.	17.12.16	Students, Research scholars, Industry persons, Academicians	MHRD, GIAN	Dr.A.Seshagiri Rao Dr. G.Uday Bhaskar Babu
Computer Science and Engineering Department:						
1	Data Science & Big Data Analytics	6.6.16	15.6.16	Faculty (44)	DST & E&ICT Academy	Dr. DVLN Somayajulu & Dr. R B V Subramanyam
2	Statistics with R	25.11.16	1.12.16	Faculty (45)	E&ICT Academy	Dr. DVLN Somayajulu
3	Computer Organization	30.5.16	8.6.16	Faculty, 45	E&ICT	Dr.Chapram Sudhakar & Mr.P.Pavan Kumar (GITAM)
4	Operating Systems	4.11.16	14.11.16	Faculty, 44	E&ICT	Dr.Chapram Sudhakar &Dr. G. Appa Rao
5	Data Mining	7.5.16	16.5.16	Faculty, 34	E&ICT Academy	Dr. R.B.V. Subramanyam, Dept. of CSE, NIT Warangal & Sri. P. Rama Rao, Dept. of MCA, Sri Sivani College of Engg., Srikakulam
6	Hadoop and Big Data Analytics	23.5.16	28.5.16	Faculty, 49	E&ICT Academy	Dr. R. B. V. Subramanyam, Dept. of CSE, NIT Warangal & Prof. M. Venkata Rao, Dept. of CSE, Chirala Engineering College, Chirala
7	Data Science and Big Data Analytics	6.6.16	15.6.16	Faculty, 44	E&ICT Academy	Prof. D. V. L. N. Somayajulu, Dept. of CSE, NIT Warangal & Dr. R. B. V. Subramanyam, Dept. of CSE, NIT Warangal
8	Data Science and Big Data Analytics	19.8.16	24.8.16	Faculty, 72	E&ICT Academy	Dr. R. B. V. Subramanyam, Dept. of CSE, NIT Warangal & Prof. M. Badrinarayana, Dept. of CSE, CVR College of Engg., Hyderabad
9	Data Science And Big Data Analytics	4th & 11th Nov., 2016	6th & 13th Nov., 2016	Faculty, 62	E&ICT Academy	Dr. R. B. V. Subramanyam, Dept. of CSE, NIT Warangal & Prof. B. Sankara Babu, Dept. of CSE, Gokaraju Rangaraju Institute of Engg. & Technology (Autonomous) Hyderabad
10	Hadoop and Big Data Analytics	14.11.16	19.11.16	Faculty, 52	E&ICT Academy	Dr. R. B. V. Subramanyam, Dept. of CSE, NIT Warangal & Dr. P Srinivasa Rao, Dept. of CSE, Maharaj Vijayaram Gajapathi Raj College of Engineering (A), Vizianagaram

11	Machine Learning – Recent Trends and Applications	21.11.16	26.11.16	Faculty, 71	E&ICT Academy	Dr. R. B. V. Subramanyam, Dept. of CSE, NIT Warangal & Prof M. Seetha, Dept. of CSE, G. Narayanamma Institute of Technology & Science (for Women), Hyderabad
12	Data Science And Big Data Analytics	25.11.16	30.11.16	Faculty, 49	E&ICT Academy	Dr. R. B. V. Subramanyam, Dept. of CSE, NIT Warangal & Prof. C.Rajendra, Dept. of CSE, Audisankara College of Engineering & Technology, Gudur
13	Machine Learning	19.12.16	24.12.16	Faculty, 49	E&ICT Academy	Dr. R. B. V. Subramanyam, Dept. of CSE, NIT Warangal & Dr. M. Sunil Kumar, Dept. of CSE, Sree Vidyanikethan Engineering College (Autonomous), A.Rangampet, Tirupati
14	Data Analytics with R	16.1.17	21.1.17	Faculty, 46	E&ICT Academy	Dr. R. B. V. Subramanyam, Dept. of CSE, NIT Warangal & Dr. R. Eswaraiah, Dept. of CSE, Vasireddy Vekatadri Institute of Technology, Nambur
15	Machine Learning	23.1.17	28.1.17	Faculty, 46	E&ICT Academy	Dr. R. B. V. Subramanyam, Dept. of CSE, NIT Warangal & Dr. B. Neelima, Dept. of ISE, NMAM Institute of Technology, Mangalore, Karnataka
16	Data Science and Big Data Analytics	6.3.17	11.3.17	Faculty, 44	E&ICT Academy	Dr. R. B. V. Subramanyam, Dept. of CSE, NIT Warangal & Ms. S L Aruna Rao, Dept. of IT, BVRITH College of Engineering for Women, Hyderabad
17	GIAN programme on Wireless Sensor Networks	30.5.16	8.6.16	Faculty member and students (55 members)	MHRD, GoI	Dr. Rashmi Ranjan Rout
18	Security and Privacy	26.7.16	31.7.16	Faculty Members (30 members)	E&ICT Academy, NIT W	Dr. Rashmi Ranjan Rout
19	Security and Privacy	15.10.16	20.10.16	Faculty Members (42 members)	E&ICT Academy, NITW	Dr. Rashmi Ranjan Rout
20	Sensor Networks and Internet on Things	27.11.16	2.12.16	Faculty Members (59 members)	E&ICT Academy, NIT Warangal	Dr. Rashmi Ranjan Rout
21	Pervasive and Mobile Computing	5.12.16	14.12.16	Faculty Members (28 members)	E&ICT Academy, NIT Warangal	Dr. Rashmi Ranjan Rout
22	Sensor Networks and Internet on Things	14.2.17	19.2.17	Faculty Members (40 members)	E&ICT Academy, NITW	Dr. Rashmi Ranjan Rout
23	Internet of Things and its Real Time Application	25.3.17	31.3.17	Faculty Members (48 members)	E&ICT Academy, NIT Warangal	Dr. Rashmi Ranjan Rout

Mathematics Department :						
1	Mathematical Modeling & Advanced Numerical Techniques	2.12.16	7.12.16	Engg faculty and Research Scholars	TLC	Dr. A. Benerji Babu & Prof.Y.N.Reddy
2	A 10-day GIAN course on Hydrodynamic Stability and Dynamo Theory	9.12.16	20.12.16	mathematician/ physicist/ geophysicist/astro physicist/ engineer/research scientist. (40)	MHRD	Dr. H.P. Rani
Physics Department :						
1	Concept based teaching and learning Physics through experiments in under graduate education (CTLP-17)	2.3.17	4.3.17	For U. G. Teachers and Research Scholars aspiring to be in the teaching profession. 57 Members Attended the Programme	The Teaching-Learning Centre (TLC) is established at NIT Warangal with grants from the MHRD, GOI under the scheme, 'Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching' (PMMMNMTT)	Dr. T. Venkatappa Rao Dr. P. Abdul Azeem Dr. D. Paul Joseph
2	Three Days Workshop on Advanced Simulation Techniques in Optics & Photonics	22.2.17	24.2.17	PG Student , Researcher and Faculty (40)	SPIE NIT Student Chapter	Dr. Sourabh Roy
3	One Day Workshop on Advances in Optics and Photonics	12.11.16	12.11.17	PG Student , Researcher and Faculty (40)	SPIE NIT Warangal Student Chapter and IEEE Student chapter Hyderabad	Prof. M Sai Shankar Dr. Sourabh Roy
Chemistry Department :						
1	Advanced Materials for Sustainable Energy and Storage	23.5.16	3.6.16	Faculty and Research Scholars (50)	GIAN	Prof. A. Rama chandraiah and Prof. K. Laxma Reddy
2	One Day Seminar on "Science and Society"	5.1.17	-	Degree and PG Students (150) Vagdevi Degree & PG College, Warangal	Telangana Academy of Sciences	Prof. K. Laxma Reddy
3	One Day seminar on "Science and Society"	7.1.17		Degree and PG Students(180) Kavitha Degree & PG College, Khammam	Telangana Academy of Sciences	Prof. K. Laxma Reddy
4	One Day State Level Seminar on" Environmental Issues and Challanges"	11.1.17		Students, Teachers,Environm ental Activists & JVV Members (165) NIT, Warangal	Telangana Academy of Sciences and JVV, TS	Prof. K. Laxma Reddy
5	One Day seminar on "Science and Society"	21.1.17		Degree Students (200)Govt Social Welfare Women Degree College, Hanamkonda	Telangana Academy of Sciences and JVV, TS	Prof. K. Laxma Reddy
6	One Day Workshop on "BIO-Science Teaching"	11.3.17		High School Bioscience Teachers (100)	Telangana Academy of Sciences and JVV, TS	Prof. K. Laxma Reddy
7	One-Day Workshop on Instrumental Methods of Diagnostics (Applications of ESR Spectroscopy)	4.4.16	-	NIT Faculty (50)	CAI, NITW	Prof. A. Rama chandraiah

Humanities and Social Sciences Department						
1.	Three Day Faculty Development Workshop on 'Technologies for Development and Delivery of Instructional Materials for e-Learning'	8.10.16	10.12.16.	66 participants Faculty, Scholars, industrialists, trainers, from all disciplines across 5 states of India	Teaching Learning Centre	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:						
National						
1	Urban Flood Modeling	21.11.16	22.11.16	Faculty & Field Engineers	ITRA	Prof .N.V.Uma mahesh
Electrical Engineering Department:						
International						
1	Optimal Design and control of smart community: New Ideas for off-grid communities	07.11.16	17.11.16	Indian and UK participants (30)	Newton-Bhabha fund	Prof. Naran Pindoriya, IIT-Gandhi Nagar. (Dr. M. Uday Bhaskar)
2	International Conference on Innovative Research in engineering and Science.	16.6.17	17.6.17	Asian Institute of Technology-Bangkok	IRES	(Dr. B. Nagu)
National						
1	19th National Power Systems Conference 2016, IIT Bhubaneswar	19.12.16	21.12.16	For Researchers, Academicians and Field Engineers in the area of Power Systems Engineering (300)	PGCIL, New Delhi; POSOCO, New Delhi; CPRI, Bangalore and PRDC, Bangalore IEEE Kolkata Section as a Technical Co-Sponsor	Dr. Subhransu Samantaray, Convener NPSC 2016 and Associate Professor IIT Bhubaneswar (Dr. Ch. Venkaiah)
2	Intelligent Signal Processing and Control System Design using Bio Inspired Algorithms	22.5.17	31.5.17	NIT Warangal		Dr. J. Ravi Kuamar (Dr. B.Nagu)
Mechanical Engineering Department:						
International						
1	Mechanics and Dynamics of Precision Machining Processes	25.07.16	29.07.16	Research scholars, Faculty members	MHRD	Prof . CSP Rao
2	1st International and 18th ISME National conference on Mechanical Engg: Enabling sustainable development	23.02.17	25.02.17	Faculties, Scientists and research scholars	TEQIP, ISME, Govt, and Private organization	N.Selvaraj& Prof. G Amba Prasad Rao Organizing sectary
National						
1.	Computational Research Techniques using MATLAB (CRT2016)	26.12.16	31.12.16	For all Faculty and Students (78)	Self-Financed	Dr. Hari Kumar Voruganti; Dr. Syed Ismail; Dr. K Kiran Kumar
2.	Essential Techniques for Research Problems in Manufacturing and Measurements (ETRPMM-2016)	11.7.16	15.7.16	Faculty members of Engg. Colleges and Research Scholars (40)	Self Financed	Dr. S. KanmaniSubbu Dr. M J Davidson Dr. N Venkaiah

Electronics and Communication Engineering Department:

National

1	Digital Communications and FEC Coding Techniques	11.4.16	15.4.16	E & ICT	-	Dr. S.Anuradha Dr. P Srihari rao
2	Signal Processing for Communications	25.4.16	30.4.16	E & ICT	-	Dr. T Kishore Kumar
3	Electronic Devices and Circuits	1.6.16	6.6.16	E & ICT	-	Dr. N. Bheema Rao
4	Computer Networks	17.6.16	26.6.16	E & ICT	-	Dr. L Anjaneyulu
5	Communication Technologies & Applications	22.6.16	2.7.16	E & ICT		Prof. N.V.S.N. Sarma
6	Practical RF Antenna Design	8.8.16	13.8.16	E & ICT		Prof. N.V.S.N. Sarma
7	Wireless Communication Technologies	29.8.16	3.9.16	E & ICT		Dr. VV Mani
8	Microwave Engineering and Circuits	13.9.16	23.916	E & ICT		Dr. D. Vakula
9	Advances in Practical RF Antenna Design	13.9.16	18.9.16	E & ICT		Prof. N.V.S.N. Sarma
10	Advanced Digital Signal processing and Applications	19.9.16	24.9.16	E & ICT		Dr. T. Kishore Kumar
11	Basic Electronics Engineering and its Applications	22.9.16	27.9.16	E & ICT		Dr. C. B. Rama Rao & Mrs. V. Rama
12	Recent Trends in Signal Processing	31.10.16	5.10.16	E & ICT		Dr. T. Kishore Kumar
13	Advanced Digital Signal Processing And Applications	8.11.16	13.11.16	E & ICT		Dr. T. Kishore Kumar
14	Digital Signal Processing and Applications	9.11.16	18.11.16	E & ICT		Dr. T. Kishore Kumar
15	Speech Signal Processing	21.11.16	26.11.16	E & ICT		Dr. T. Kishore Kumar
16	Real Time Embedded Systems and IoT, it's Applications	5.12.16	10.12.16	E & ICT		Dr. T. Kishore Kumar
17	Wireless Communications and Their Applications	5.12.16	10.12.16	E & ICT		Dr. V. V. Mani
18	Signals, Systems And Transform Techniques Theory With Matlab	26.12.16	31.12.16	E & ICT		Dr. C. B. Rama Rao, Dr. V. V. Mani
19	Embedded Real Time Systems	1.2.17	10.2.17	E & ICT		Dr. T. Kishore Kumar
20	Internet of Things	25.3.17		TLC		Dr. B. Lakshmi
21	Internet of Things	30.3.17		TLC		Dr. B. Lakshmi

Department of Mathematics:

National

1	National Conference on Women in Higher Education: Perspectives and Challenges in Digital ERA-(WHE-2016)	30.5.16	31.5.16	Academicians, scientists, technologists, industrialists, executives, research scholars, aspiring UG and P.G.Students, researchers from public and private sectors, educational and research organizations. (60)	TEQIP and SBH	Dr. H.P. Rani Dr. K. Madhavi
2	National Conference on Applied Nonlinear Dynamics	21.12.16	22.12.16	academicians, scientists and researchers on different aspects of nonlinear dynamics (40)	SERB, Indian Institute of Geomagnetism, Mumbai	Dr. H.P. Rani Prof. Y.N. Reddy

Department of Chemistry:						
i) International						
1	Advanced materials for Sustainable energy and storage	23.5.16	3.6.16	Faculty and Research Scholars	GIAN	Prof. A. Rama chandraiah and Prof. K. Laxma Reddy
ii) National						
1.	Research Conclave	18.3.17	19.3.17	Research Scholars	TEQIP-II	Prof. K. Laxma Reddy (Advisor)
2.	National Conference on Recent Developments in Chemical Sciences and Allied Technologies (RDCST)	29.6.17	30.6.17	Faculty members, Researchers, Research scholars of Academia and R&D institutions.	NIT Warangal	Dr. K. V. Gobi, Dr. P. V. Srilakshmi and Dr. Vishnu Shanker
3.	One-Day Workshop on School Science through Rashtriya Avishkar Abhiyan at Hyderabad	1.12.2016		All Govt School and Collegiate Education Officials	Sarva Shiksha Abhiyan, Govt of Telangana	Directorate of school Education, Govt. of Telangana
4.	One-Day Video Conference to School Teachers (through Mana TV)			All Telangana Govt School Science Teachers	SCERT, Govt of Telangana	Secretary, School Education, Govt of Telangana
Department of Humanities and Social Sciences						
National						
1	A three day National Workshop on '**Communication Skills For Effective Teaching in Higher Education'** organised in association withTeaching Learning Centre	24.2.17	26.2.17	54 participants Faculty, Scholars, industrialists, trainers, from all disciplines across 7 states of India	organised in association withTeaching Learning Centre	Prof.D.S.Kesava Rao and Dr. Madhavi Kesari
2	Towards more purposeful courses in engineering and degree colleges	23.4.16	24.4.16	Teachers in engineering and degree colleges	TEQIP-II	Main coordinator - Prof. D.S.Kesava Rao Cocordinators Dr. M. Raja Vishwanathan
3.	**One week Orientation Programme** for Directly admitted Students from Abroad	22.7.16	29.7.16	Department of Humanities and Social Sciences NITW		Prof.D.S.Kesava Rao and Dr. Madhavi Kesari

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	Agilan V, N V Umamahesh	Modelling nonlinear trend for developing non-stationary rainfall intensity–duration–frequency curve	International Journal of Climatology, doi 10.1002-joc.4774, Published online in Wiley Online Library
2	Agilan, V., Umamahesh, N.V	the covariate based non-stationary rainfall IDF curve capable of encompassing future rainfall changes	Journal of Hydrology, 541 (2016), pp 1441-1455
3	Jew Das, N V Umamahesh	Downscaling Monsoon Rainfall over River Godavari Basin under Different Climate-Change Scenarios	Water Resources Management, 30 (2016), pp 5575-5587
4	Agilan V., N. V. Umamahesh	What are the best covariates for developing non-stationary rainfall Intensity-Duration-Frequency relationship?	Advances in Water Resources, 101 (2017), pp 11-22
5	Agilan V., N.V. Umamahesh	Non-Stationary Rainfall Intensity-Duration-Frequency Relationship: A Comparison between Annual Maximum and Partial Duration Series'	*Water Resources Management, 31 (2017), pp 1825-1841*
6	G. Mallikarjuna Rao, T D Gunneswara Rao, AVenkatesh,Rama Seshu.D	Mix proportioning of Geopolymer concrete'	Int Jl of Cement Wapno Beton, Poland, No.4, July-August 2016,pp.274-285
7	Ajay Kumar Naik and Rama Seshu.D,	A Study on the behaviour of interfacial shear bond strength between the concrete layers'	Int Jl of Cement Wapno Beton, Poland. No.2, March-April 2016., pp.86-95
8	A. Wahidi and D. Rama Seshu	Seismic analysis of multi-storey building with floating columns'	Asian Jl of Civil Engg. (Building & Housing), V.17, No.8, 2016, pp. 1077-1085
9	Rama Seshu.D,	A study on the effect of stress level on ultrasonic pulse velocity in selected types of concretes'	Int Jl of Cement Wapno Beton, Poland, No.5, November-December 2016,pp.318-324 (Vol. XXI/LXXIII)
10	M V Krishna Rao, P Rathish Kumar,	A study of temperature effect on strength and sorptivity of concretes made with alternate coarse aggregates	Cement Wapno Beton, 13, issue 4, 2016, pp.239-250
11	K Praveen, S Venkateswara Rao and P Rathish Kumar	A study on the influence of a/d ratio and stirrup spacing on shear behaviour of steel fiber reinforced SCC	Cement Wapno Beton, Vol 13, issue:6, 2016, pp 405-422
12	Prasad M.L.V, Prasenjit Saha and P.R.Kumar	Self compacting reinforced concrete beams strengthened with natural fiber under cyclic loading	Computers and Concrete, Vol. 17, No. 5 (2016) 597-612, Techno-Press, Ltd., Korea
13	M. Sri Rama Chand, P Rathish Kumar, P Swamy Naga Ratna Giri, G Rajesh Kumar	Effect of self curing chemicals in Self Compacting Mortars	Construction and Building Materials, Elsevier Publishers, Vol 107, pp 356-364, 2016
14	M.V. Krishna Rao, V.S.S. Kumar and P. Rathish Kumar	Prequalification of Contractor in the Construction Industry using Multi-Attribute Utility Theory: A Multiplicative Approach	Malaysian Journal of Civil Engineering, Vol 28(3), pp 467-480 2016
15	Rathish Kumar Petal	Mix model for recycled aggregate based Self Compacting Concrete	Proceedings of Institution of Civil Engineering (ICE)-Structures and Buildings, Thomas Telford, Vol 170 issue 2, pp. 131-142, Febraury 2017
16	Rathish Kumar Petal	Influence of Hydrophilic Compounds on the Performance of Recycled Aggregate Concretes	Journal of Sustainable Cement Based Materials, Taylor and Francis, Available Online 15- Jan-2017

17	Rohith, D., Srikanth, K., Chowdary, V., and Prasad, C. S. R. K.	"Performance evaluation of gravel road sections sealed using open graded premix surfacing with bitumen and bitumen emulsion as the binders."	Transportation in Developing Economies, 2: 13.
18	Rajkamal, K., Reddy, T.D., Rohith, D., Chowdary, V., and Prasad, C.S.R.K.	Performance evaluation of gravel road sections sealed with surface dressing	Transportation Research Procedia, 17, 81-89.
19	Kaira Sneha, T. P. Tezeswi	A Comparative Study Of Construction Using Schnell Concrewall® Pre-Cast Sandwich Composite Panel And Rc Moment Frame With Brick Infill,	International Journal of Civil Engineering and Technology (IJCIET), Volume 7, Issue 4, July-August 2016, pp. 100–110
20	Kaira Sneha, T. P. Tezeswi	A Study on Simulation methodology in Construction Industry	Imperial Journal of Interdisciplinary Research (IJIR) Vol-2, Issue-8, 2016 ISSN: 2454-1362, http://www.onlinejournal.in

* 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	M.V. Krishna Rao, P. Rathish Kumar and Seshadri Sekhar Tirumala	Quartz and feldspar as alternate coarse aggregates for sustainable concrete construction	Indian Concrete Journal, Vol 91 (1), January, 2017, pp 16-22
2	Amit, K.S. and Ramana Murty, V	Plaxis 3D Analysis of Stone Columns in Soft Clay with and without Geosynthetic Encasement	Proc. of IGC -2016, IIT- Madras, Chennai
3	Sunita Behera, Ramana Murty, V. and Rakesh J Pillai	Numerical Analysis of 44 m High MSE Wall at Kanakadurga Temple, Vijayawada using PLAXIS-3D	Proc. of IGC - 2016, IIT - Madras, Chennai
4	Enayatullah Hemat, M. V. N. Sivakumar	Time Cost Trade-off and Constraint Resource Scheduling Considering Overtime for Activity Expedition	Journal of Recent Trends in Civil Engineering & Technology, STM Journal,ISSN: 2321-6476, Volume 6, Issue 2, pp30-36.

* 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	A. Sameer, N V Umamahesh, Streamflow	Forecasting with one day lead using □-Support Vector Regression	Oral	International Conference on Water Security and Climate Change: Challenges and Opportunities in Asia, Asian Institute of Technology, Bangkok, 29 November - 01 December 2016
2	A. Sravanthi, P. Kishore, R. L. N. Sai Prasad and P. Rathish Kumar,	Study of Bridge Weigh-in-Motion using FBG sensors	Oral	The international conference on Fiber Optics and Photonics, OSA 2016
3	Kamineni, A., and Chowdary, V.	Quantification and modelling of tyre-pavement interaction noise: effect of vehicular, pavement, and environmental characteristics.	Oral	Functional Pavement Design: Proceedings of the 4th Chinese-European Workshop on Functional Pavement Design, Delft, The Netherlands, June 29 to July 01, 2016, 1087-1096.
4	M J Sukhesh, P.Venkateswara Rao.	Investigating the Effect of Anaerobic Co-Digestion of Poultry Manure with Lawn Grass Cuttings.	Oral	Recycle 2016- International conference on recycle management, 1st-2nd April, 2016, IIT, Guwahati
5	Gautham A, and K. Gopikrishna	SEISMIC RISK AND LOSS ASSESSMENT OF OPEN GROUND STOREY RC STRUCTURES	Oral	International Congress on Computational Mechanics and Simulation (ICCMS-16), June 27-July 1, 2016, IIT Bombay,Mumbai,India

6	Vennela Kiran Kumar , Praveen Oggu and K. Gopi Krishna	Seismic fragility analysis of Vertical setback RC Structures	Oral	International Conference on Trends and Recent advances in civil Engineering,(TRACE- 2016),11th-12th August 2016,Amity university, Noida,India.
7	Muzzaffar Khan, Akshay Sakhare, Ravi Kumar and Kalyan Kumar	Shear wave velocity profile at NITW stadium using MASW	Oral	1st International Conference on Civil Engineering for Sustainable Development-Opportunities and Challenges

* 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	Vinay Ashok Rangari, Ajey Kumar Patel and N V Umamahesh	Development of different Modeling strategies for urban flooding: a case study of Hyderabad city	Oral	Civil Engineering Conference-Innovation for Sustainability, NIT Hamirpur, September 09 -10, 2016, Hamirpur, India
2	Agilan, V., N V Umamahesh	Climate change impacts on rainfall intensity-duration-frequency curves of Hyderabad, India	Oral	Civil Engineering Conference-Innovation for Sustainability, NIT Hamirpur, September 09 -10, 2016, Hamirpur, India
3	Agilan, V., N.V Umamahesh, Covariate	Covariate generation using multi-objective genetic algorithm for developing non-stationary rainfall IDF curve	Oral	Conference on Water Resources and Flood Management with special reference to Flood Modelling, SVNIT Surat, October 14 - 15, 2016, Surat, India
4	K Leela Krishna, N V Umamahesh, A Srinivasa Prasad	Derivation of Optimal Rule Curves for Nagarjuna Sagar Reservoir using Genetic Algorithm	Oral	National Conference on Water Resources Management in Coastal Regions, National Institute of Hydrology, Deltaic Regional Center, Kakinada, 8-9 December, 2016
5	Rama Seshu.D,	Structural Health monitoring using NDT'	Oral	Workshop on 'Advances in concrete technology and good construction practices' (ACTGCP-2016). Organised by Civil Engg Dept, JNTU, Hyderabad, May 26th 2016.
6	M. Sri Rama Chand, P Rathish Kumar, P Swamy Naga Ratna Giri, G Rajesh Kumar	Role of self curing agents in Self Compacting Concrete	Oral	Structural Engineering Convention (SEC) – 2016, SERC – Chennai, 21-23 Dec, 2016
7	M. Sri Rama Chand, P Swamy Naga Ratna Giri, B Raja Rajeshwari, P. Rathish Kumar, G Rajesh Kumar	Super Absorbent Polymers: Internal curing agents in Self Compacting Concrete	Oral	Civil Engineering Conference (CEC-2K16), NIT Hamirpur, pp 110-117, 2016
8	P Swamy Naga Ratna Giri, M Sri Rama Chand, G Rajesh Kumar, P Rathish Kumar	Effect of Polyethylene Glycol as self curing agent in Recycled Aggregate based Concrete,	Oral	Civil Engineering Conference (CEC-2K16), NIT Hamirpur, pp 87-97, 2016
9	M. Sri Rama Chand, P Swamy Naga Ratna Giri, P Rathish Kumar, G Rajesh Kumar	Application of Super Absorbent Polymers in SCC	Oral	National conference on Modern Concretes- Driving Profit to Sustainability (MCDPS-2016) in VNRVJIET, Hyderabad
10	P Swamy Naga Ratna Giri, M. Sri Rama Chand, G Rajesh Kumar, P Rathish Kumar	Influence of Polyethylene Glycol as Self-Curing Agent in Recycled Aggregate Based Concrete: A Study	Oral	National conference on Modern Concretes- Driving Profit to Sustainability (MCDPS-2016) in VNRVJIET, Hyderabad
11	S Rakesh and P Rathish Kumar	Influence of bond properties on bond strength of fiber reinforced SCC	Oral	National conference on Modern Concretes- Driving Profit to Sustainability (MCDPS-2016) in VNRVJIET, Hyderabad

12	T.P.Tezaswi	A Comparative Study of Construction Using Schnell Concrete wall Pre-Cast Sandwich Composite Panel and RC Moment Frame With Brick Infill	Oral	ACN- International Conference on Civil and Environmental Engineering (I2C2E) on May 7th, 2016 at Hyderabad, India
13	Jobin George, Kalyana Rama J S, M V N Sivakumar, A Vasan, A Ramachandra Murthy,	Influence of Notch to Depth ratio on Fracture Process Parameters of Plain Concrete Beam using Concrete Damaged Plasticity model	Oral	International Congress on Computational Mechanics and Simulation, ICCMS-2016, IIT Bombay, July-2016.
14	Sudheer Kumar Y, Subhashini A and Hari Krishna	A study on influence of PH and Organic Chemicals on Adsorption Capacity of BC Soils	Oral	Proceedings of International Conference on Soil and Environment, ICSE, held in IISc Bangalore during 22 – 23rd July 2016, pp: 220 - 228
15	Sudheer Kumar Y, Subhashini A and Hari Krishna P	Study on the Retention of Lead by Black Cotton soil under the influence of Organic and Inorganic Chemicals	Oral	Proceedings of International Geotechnical Conference on Sustainability in Geotechnical Engineering Practices and Related Urban Issues, held in IIT Bombay during 23 – 24 September 2016, pp:118 - 121.
16	Subhashini A, Sudheerkumar Y and Hari Krishna P	Study on the influence of pH and organic chemical on the adsorption capacity of Red Earth	Oral	Proceedings of Indian Geotechnical Conference, IGC, help at IIT Madras during 15 - 17 December 2016, pp: 725 - 729.
17	D. Devi Priyanka, Deepak Rathi and Kalyan Kumar G	Effects of dynamic loading on properties of saturated sand	Oral	Indian Geotechnical Conference - IGC 2016, IIT Madras
18	Teja M, Marlina Gowalla and Kalyan Kumar G	Behavior of Pervious Concrete Pile under Axial Loading -	Oral	Indian Geotechnical Conference
19	R Shanmuga Priya, Sreelakshmi S and G Kalyan Kumar	Effects of gypsum on strength characteristics of lime modified pond ash as a stowing material -	Oral	Indian Geotechnical Conference
20	Prasad Hiremath, M. Muzzaffar Khan and Kalyan Kumar	Fuzzy - probabilityapproach in seismic hazard analysis -	Oral	Indian Geotechnical Conference - IGC 2016, IIT Madras
21	Gauri J Pande and N V Umamahesh	Optimal Cropping Pattern and Water Allocation using GA under Deficit Irrigation Conditions	Oral	National Conference on Sustainable Water Resources and Development (SWARDAM-16) at Government College of Engineering, Aurangabad, 4-5 July, 2016

* Name of the Faculty of the Department to be emboldened

Electrical Engineering Department:

A. Publications

i) Peer – Reviewed International Journal Publications

S. No.	Authors (*)	Title of the Paper	Journal Details(Journal, Year, Vol., pp)
1	Chandrasekhar Yammani, Sydulu Maheswarapu, Sailaja kumari Matam	A Multi-objective Shuffled Bat algorithm for optimal placement and sizing of multi distributed generations with different load models	International Journal of Electrical Power & Energy Systems (Elsevier), Volume 79, July 2016, Pages 120–131. (SCI-Impact factor-2.63)
2	Kiran Teeparthi and D.M. Vinod Kumar	Multi-Objective Hybrid PSO-APO Algorithm based Security Constrained Optimal Power Flow with Wind and Thermal Generators	Engineering, Science and Technology, an International Journal, Elsevier, Vol. 20, No. 2, pp. 411-426, 2017.
3	Ms. Kayalviz Selvam and D.M. Vinod Kumar	"Frequency Control of Micro grid with wind perturbations using Levy walks with spider monkey optimization algorithm"	International journal of Renewable Energy Research – IJRER, Vol.7, No.1 pp.146-156, 2017.
4	Ms. Kayalviz Selvam and D.M. Vinod Kumar	Distributed Generation Planning using Peer enhanced Multi-objective Teaching-Learning based Optimization in Distribution Networks", Institution of Engineers (India)	Institution of Engineers (India) Springer, Vol. 98, No. 2, pp. 203-211, 2017.
5	N. Rama Devi, DVSS Siva Sarma	Diagnosis and Classification of stator winding insulation faults on a three phase induction motor using Wavelet and MNN	IEEE Transactions on Dielectrics and Electrical Insulation, Oct 2016, Vol.23, No.5, pp.2543-2555
6	B.R.K.Verma, DVSS Siva Sarma	Transient and Probabilistic Neural Network based fault classification in EHV three terminal lines	Accepted for publication in "Turkish Journal of Electrical Engineering and Computer Sciences"
7	OVSR Prasad, DVSS Siva Sarma etal	Real time control of Hybrid Active Power Filter using conservative power theory in Industrial Power System	IET Power Electronics, Feb 2017
8	Vijay Bhaskar D, Vishwanathan N, Maity T, Porpandiselvi S,	Capacitor Sharing Two Output Series Resonant Inverter for Induction Cooking Application	IET Power Electronics Journal, vol. 9, 2016, pp. 2240-2248
9	Suresh, L. Nagarjuna, S. and V.T. Somasekhar	Improvised SVPWM Strategies for an Enhanced Performance for a Four-level Open-end Winding Induction Motor Drive	Early Access, IEEE Transactions on Industrial electronics
10	A.Anil kumar, *N V Srikanth	Teaching-Learning based Adaptive Fuzzy Logic Controller for Frequency Control in Autonomous Microgrid	International journal of renewable energy research, Turkey(ESCI journal) April 2016
11	Vishnu Prasad Muddineni, Anil Kumar Bonala, Srinivasa Rao Sandepudi	Enhanced weighting factor selection for predictive torque control of induction motor drive based on VIKOR method	IET Electric Power Applications, Vol. 10, Iss. 9, pp. 877–888, November 2016
12	Vishnu Prasad Muddineni, Srinivasa Rao Sandepudi, Anil Kumar Bonala	Finite control set predictive torque control for induction motor drive with simplified weighting factor selection using TOPSIS method	IET Electric Power Applications , Volume 11 Issue 5 Pages 749 –760 May 2017
13	Chandrasekhar Yammani, Sydulu Maheswarapu, M. Sailaja kumari	A Multi-objective Shuffled Bat algorithm for optimal placement and sizing of multi distributed generations with different load models	International Journal of Electrical Power & Energy Systems (Elsevier), Volume 79, July 2016, Pages 120–131.(SCI-Impact factor-2.63)
14	B. Durga Hari Kiran, M. Sailaja Kumari,	Demand response and pumped hydro storage scheduling for balancing wind power uncertainties: A probabilistic unit commitment approach.	International Journal of Electrical Power & Energy Systems, Elsevier, Volume 81, Pages 114-122, October 2016.
15	B. Durga Hari Kiran, M. Sailaja Kumari,	A Hybrid Game theoretic approach to Generator Bidding in Energy and Ancillary service markets	International Journal of Renewable Energy Research (IJRER), vol. 7, no. 1, pp. 68-79, March, 2017
16	Vijaya Bhaskar Devara, Vishwanathan Neti, Tanmoy Maity, Porpandiselvi S	Capacitor-sharing two-output series-resonant inverter for induction cooking application	IET Power Electronics Journal, Vol. 9, Iss. 11, pp. 2240-2248, 2016
17	Vijaya Bhaskar Devara, Vishwanathan Neti, Tanmoy Maity, Porpandiselvi S	Hybrid Controlled Dual Frequency Inverter for Two Load Induction Cooking Application	European Power Electronics and Drives Journal, Vol. 27, No.2, pp. 60-73, 2017
18	Chandrasekhar Yammani, Sydulu Maheswarapu, M. Sailaja kumari	A Multi-objective Shuffled Bat algorithm for optimal placement and sizing of multi distributed generations with different load models	International Journal of Electrical Power & Energy Systems (Elsevier), Vol. 79, July 2016, Pages 120–131.(SCI-Impact factor-2.63)

19	Chandrasekhar Yammani	Optimal Dispatch of Vehicle-to-Grid(V2G) Battery Storage and DGsin Microgrid Using Probabilistic Elimination and Choice Expressing Reality (p-ELECTRE) Method	Under review in IEEE Transactions on Smart grid with Ref No.: TSG-00951-2017
20	Ramulu Chinthamalla, Sanjeevikumar Padmanaban, Ramsha Karampuri, Sachin Jain,Ahmet H. Ertas, Viliam Fedak	A SOLAR PV WATER PUMPING SOLUTION USING A THREE-LEVEL CASCADED INVERTER CONNECTED INDUCTION MOTOR DRIVE.	Engineering Science and Technology, an International Journal– 19(2016) 1731-1741 (ELSEVIER 2016).
21	Chinthamalla Ramulu, Sachin Jain, Sanjeevikumar Padmanaban, Joseph Olorunfemi Ojo, Ahmet H. Ertas	Dual MPPT algorithm for dual PV source fed Open-End Winding Induction Motor Drive for pumping application	Engineering Science and Technology, an International Journal– 19(2016) 1771-1780 (ELSEVIER 2016).
22	Dr. P. Suresh Babu Saptarshi Roy	STRENGTH OF STANDARD IEEE POWER SYSTEMS : A REVIEW	Journal of Electrical Engineering – Edition 17, Issue 1,pp.308-317,March 2017 (ISSN 1582-4594)
23	Dr. P. Suresh Babu Saptarshi Roy	An Efficient Fault Locating Technique with Backup Protection Scheme Using Wide Area Measurement for Power System with Simultaneous Faults	International Journal on Electrical Engineering and Informatics-Volume-9, Number-1, PP.100-124, March 2017. (ISSN 2085-6830)
24	Dr. P. Suresh Babu Saptarshi Roy	DISTANCE RELAY PERFORMANCE EVALUATION ON SERIES COMPENSATED TRANSMISSION LINE UNDER FAULTED CONDITIONS	Journal of Electrical Engineering – Edition 16, Issue 3,pp.250-261,Sept. 2016(ISSN 1582-4594)
25	S. Jain, V. Sonti,	A Highly Efficient and Reliable Inverter Configuration Based Cascaded Multi-Level Inverter for PV Systems	IEEE TIE*, vol. 64, no. 4, pp. 2865-2875, April 2017.*
26	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	IEEE TPEL*, vol. 32, no. 2, pp. 1156-1169, Feb. 2017.*
27	Ch.Ramulu, Sanjeevikumar P., Ramsha K., S. Jain, Ahmet H. Ertas, Viliam Fedak,	A solar PV water pumping solution using a three- level cascaded inverter connected induction motor drive	Elsevier JESTCH, Vol.19, pp 1731-1741, 2016.
28	S. Jain, Ch. Ramulu, Sanjeevikumar P., Joseph O. Ojo, Ahmet H. Ertas	Dual MPPT algorithm for dual PV source fed Open-End Winding Induction Motor Drive for pumping application	Elsevier JESTCH, Vol.19, pp 1771-1780, 2016.
29	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 TIE*, vol. 63, no. 2, pp. 956-965, 2016.
30	Ramanjaneya Reddy U, Narasimharaju.B.L	A Cost Effective Zero Voltage Switching Dual Output LED Driver	Trans. on IEEE Power Electronics In pres, Early Access, vol. 99, No. , pp.1-1, Dec 2016
31	Ramanjaneya Reddy U, Narasimharaju.B.L, Vijay Babu K	High step-down Dual output Light Emitting diode	Int., Journal Of Renewable Energy Research (IJRER), E-SCI, vol. 7, no. 1, pp. 157-169, 22/03/2017
32	Ramanjaneya Reddy U, Narasimharaju.B.L	Single-Stage Electrolytic Capacitor less Non-Inverting Buck-Boost PFC Based AC-DC Ripple Free LED Driver	IET Power Electronics, Vol.10, No.1, pp.38-46 Sept 2016 /Jan 2017
33	Ramanjaneya Reddy U, Narasimharaju.B.L,	Improved Efficiency Coupled Inductor-Buck AC-DC Light Emitting Diode (LED) Driver	IEICE Electronics Express (ELEX), Vol.13, No.16, pp.1-6, Aug 2016
34	Vijay Babu K, *Narasimharaju.B.L,* D. M. Vinod Kumar	Performance Evaluation of Switched Reluctance Motor PWM Control in PV-fed Water Pump System	Int., Journal Of Renewable Energy Research (IJRER) E-SCI, Vol.6, No.3, pp. 941-950, June 2016
35	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	Rungta International Journal of Electrical and Electronics Engineering Volume 1, Issue 2&3, 2016 (RIJEEE), Vol.1, No.2&3,pp.11-17. , (2016)
36	H. P. Vemuganti, D. Sreenivasarao and G. Siva Kumar*	Improved pulse-width modulation scheme for T-type multilevel inverter	IET Power Electronics, Vol. 10, No. 8, pp. 968-976, 2017
37	V. Hari Priya, D. Sreenivasarao and G. Siva Kumar	Improved pulse-width modulation scheme for T-type multilevel inverter	IET Power Electronics, vol. 10, no. 8, pp. 968–976, June 2017.
38	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, vol. 27, no. 8, pp. 1657-1671, Aug. 2016

39	S. Mishra, P. P. Zarina and P. C. Sekhar	Gas Assisted DFIG with Ramp Rate Controller	IET Renewable Power Generation, vol.10, no. 7, pp. 955-963, Jul. 2016m,
40	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, vol. 27, no. 8, pp. 1657-1671, Aug. 2016
41	S. Mishra, P. P. Zarina and P. C. Sekhar	Gas Assisted DFIG with Ramp Rate Controller	IET Renewable Power Generation, vol.10, no. 7, pp. 955-963, Jul. 2016m,

* 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	M Hareesh, Amarnath C, **G Siva Kumar**, D. Sreenivasarao	Experimental implementation for Maximum Power Point Tracking of 100 W Solar Panel with DC-DC Boost Converter	The Journal of CPRI, Vol. 12, No.4, December 2016

* Name of the Faculty of the Department to be emboldened

B. Presentations in Conference / Symposia etc.,

i) International Presentations

S. No.	Authors (*)	Title of the Paper	Oral / Poster	Event Details (Event, Place, Dates)
1	M. S. Alam, B. D. Hari Kiran and **M. S. Kumari**,	Priority list and particle swarm optimization based unit commitment of thermal units including renewable uncertainties.	Oral	IEEE International Conference on Power System Technology (POWERCON), Wollongong, NSW, Sept., 28- Oct 1st 2016.
2	B. Nagu	Hybrid GA-PSO Based pitch controller design for air craft control system	Oral	International conference on innovative research in engineering and science (IRES), Asian Institute of Technology, Bangkok - June-2017.
3	M Hareesh, G Siva Kumar, D. Sreenivasarao	Adaptive dc-link voltage regulation for DSTATCOM under load variations	Oral	2016 IEEE Region 10 Conference (TENCON) Singapore
4	K. V. Praveen Kumar, T. Vinay Kumar	Experimental implementation of direct torque control of open end winding induction motor	Oral	2016 IEEE Region 10 Conference (TENCON)
5	**P. C. Sekhar**, Srinivas Pandit, Ratna Rahul. T.	Analysis of Asynchronous Sigma-Delta Modulation Scheme for Real and Reactive Power Control in Grid Connected Single Phase Inverters	Oral	IEEE Power & Energy Society General Meeting-2016, July 17 - 21, 2016, Boston, MA, USA

* 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	Kiran Babu B, **Sydulu Maheswarapu**	An Efficient Power Flow Method for Distribution System Studies Under Various Load Models	Oral	13th International IEEE India Conference INDICON - 2016 IISc Bengaluru, 16-18 Dec 2016.
2	Pratishta Rai, OVSR Vara Prasad, **DVSS Siva Sarma**	An overview of Power harmonic analysis based on triangular self-convolution window	Oral	19th National Power Systems Conference, IIT Bhubaneswar, Dec 2016
3	C. Purushottam Reddy, **D.V.S.S.Siva Sarma**, OVSR Vara Prasad	A novel fault classifier and locator using one end current spectrum and minimal synchronized symmetrical components for transmission lines	Oral	at IEEE INDICON Conference, IISc Bangalore, Dec 2016
4	A.Anil kumar, ***N V Srikanth**	Load Frequency Control for diverse sources of interconnected two area power system: An Adaptive Fuzzy Approach	Oral	ICCCCM 2016, pp.1-4, Allahabad, UP
5	Vishnu Prasad Muddineni, Srinivasa Rao Sandepudi, Anil Kumar Bonala	Conventional and Model Predictive Direct Torque Control Techniques for Induction Motor Drive.	Oral	IEEE First International Conference on Power Electronics, Intelligent Control and Energy Systems-2016, Delhi Technological University, Main Bawana Road, Delhi-110042
6	Vishnu Prasad Muddineni, Srinivasa Rao Sandepudi, Anil Kumar Bonala	Variable Conductance Factor Based Control of Multi-functional Grid Connected Single Stage Solar PV System	Oral	IEEE First International Conference on Power Electronics, Intelligent Control and Energy Systems-2016, Delhi Technological University, Main Bawana Road, Delhi-110042

7	Vishnu Prasad Muddineni, Srinivasa Rao Sandepudi, Anil Kumar Bonala	Simplified Finite Control Set Model Predictive Control for Induction Motor Drive without Weighting Factors.	Oral	IEEE International Conference on Power Electronics, Drives and Energy Systems **(PEDES- 2016),** Mar Baselios College of Engineering, Trivandrum.
8	Anil Kumar Bonala, Srinivasa Rao Sandepudi, Vishnu Prasad Muddineni	Improved Model Predictive Current Control for Single Phase NPC Shunt Active Power Filter.	Oral	IEEE International Conference on Power Electronics, Drives and Energy Systems **(PEDES- 2016),** Mar Baselios College of Engineering, Trivandrum.
9	Anil Kumar Bonala, Srinivasa Rao Sandepudi, Vishnu Prasad Muddineni	Model Predictive Current Control with Modified Synchronous Detection Technique for Three-Phase 3 Level NPC Multi-Functional Solar Photovoltaic System	Oral	IEEE International Conference on Power Electronics, Drives and Energy Systems **(PEDES- 2016),** Mar Baselios College of Engineering, Trivandrum.
10	Vishnu Prasad Muddineni, Srinivasa Rao Sandepudi, Anil Kumar Bonala	Predictive Torque Control of Induction Motor Drive with Simplified Weighting Factor Selection	Oral	IEEE International Conference on Power Electronics, Drives and Energy Systems **(PEDES- 2016),** Mar Baselios College of Engineering, Trivandrum.
11	Venkataramana Veeramsetty and **Chintham Venkaiah**	Toplology based Backward and Forward Sweep load flow algorithm for radial distribution Network	Oral	40th National Systems Conference 2016, NIT Warangal November 04-06, 2016
12	Chejarla Madhu Kishore and **Chintham Venkaiah**	Implementation of Modified MW-Mile Method for Transmission Cost Allocation by Incorporation of Transmission Losses considering Power Factor	Oral	19th National Power Systems Conference 2016, IIT Bhubaneswar, December 19-21, 2016
13	Gona Prashanti and **Chintham Venkaiah**	Impact of Energy Storage Integration on Composite System Reliability	Poster	19th National Power Systems Conference 2016, IIT Bhubaneswar, December 19-21, 2016
14	K S V Sindhu and **Chintham Venkaiah**	An Energy Acquisition Model for DISCOMs with High Renewable Energy Integration	Poster	19th National Power Systems Conference 2016, IIT Bhubaneswar, December 19-21, 2016
15	M.Kalyan Chakravarthi, **A.V.Giridhar**, D.V.S.S.Siva Sarma	Flower Pollination Algorithm for Partial discharge localization in power transformer using acoustic signal measurements	Oral	2nd National Conference on High Voltage Engineering & Technology (NCHVET 2017), Bangalore, 27 &28 January 2017
16	**P. Suresh Babu** Saptarshi Roy	A Backup Protection Scheme Using Wide Area Measurement for Power System with Simultaneous Faults	Oral	40th National Systems Conference 2016, NIT Warangal, 4-6 November, 2016.
17	Jerry Joseph Jose, **Udaya Bhasker Manthati**	Two input bi-directional converter controlled hybrid energy storage system for micro-grids	Oral	During 4th-6th July 2016 IEEE first International Conference on Power electronics, Intelligent control and energy systems IEEE-ICPEICES–2016 at Delhi Technical University, New Delhi, India.
18	Snehalika and **Udaya Bhasker Manthati**	Piezoelectric energy harvesting from shoes of soldier	Oral	During 4th-6th July 2016 IEEE first International Conference on Power electronics, Intelligent control and energy systems IEEE-ICPEICES– 2016 at Delhi Technical University, New Delhi, India.
19	**P. C. Sekhar** and Ratna Rahul T.	Analysis of Model Predictive Control for the Active and Reactive Power in Three Phase Grid Connected Inverters	Oral	IEEE International Conference on Next Generation Intelligent Systems, Sep 01-03, 2016, Kottayam, Kerala, India

* Name of the Faculty of the Department to be emboldened

Mechanical Engineering Department:

A. Publications

i) Peer – Reviewed International Journal Publications

S. No.	Authors (*)	Title of the Paper	Journal Details (Journal, Year, Vol., pp)
1	**V.P. Chandramohan**	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
2	**V.P. Chandramohan**	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
3	Razatkumarnaik, Arunsandeep G, **Chandramohan V.P.**	Numerical Simulation For Freeze Drying Of Skimmed Milk With Moving Sublimation Front Using Tri Diagonal Matrix Algorithm	Journal Of Applied Fluid Mechanics, **If = 0.9**, 10 (3), 813-818, 2017
4.	Amrutmulay, B.Satish Ben, **Syed Ismail**, And Andrzejkocanda	Experimental Investigations Into The Effects Of Spif Forming Conditions On Surface Roughness And Formability By Design Of Experiments	Journal Of The Brazilian Society Of Mechanical Sciences And Engineering, Springer., 2016, Doi: 10.1007/S40430-016-0703-7, Pp. 1-14
5.	J.A. Rangababu, K.Kiran Kumar, S.Srinivasarao	State-Of-Art Review On Hybrid Nanofluids	Renewable And Sustainable Energy Reviews 77 (2017) 551–565
6.	Thotamarkandeyulu, Jaya Krishna Devanuri* and K. Kiran Kumar	On The Suitability Of Phase Change Material (Pcm) For Thermal Management Of Electronic Components	Indian Journal Of Science And Technology, Vol 9(S1)
7.	Ramesh Babu Bejjam, Kiran Kumar K	Numerical Study On Heat Transfer Characteristics Of Nanofluid Based Natural Circulation Loop	Journal Thermal Science, Accepted
8.	Amrutmulay· Satish Ben, Syed Ismail, Andrzejkocanda	Experimental Investigations Into The Effects Of Spif Forming Conditions On Surface Roughness And Formability By Design Of Experiments	Braz. Soc. Mech. Sci. Eng,**2017,** Doi 10.1007/S40430-016-0703-7,
9.	Ch. Ratnam, K. Arunvikram, B.S. Ben, B.S.N. Murthy	Process Monitoring And Effects Of Process Parameters On Responses In Turn-Milling Operations Based On Sn Ratio And Anova	Measurement, **2016,** Vol. 94, Pp. 221-232,
10.	Harikrishna, M J Davidson, Chnagaraju	Effect Of Aging On Hardness In The Upsetting Tests Using Experimental And Finite Element Investigations	Proceedings Of The Institution Of Mechanical Engineers, Part C: Journal Of Mechanical Engineering Science, September 26, 2016
11.	Chharikrishna, M J Davidson, Chnagaraju, AV Ratnaprasad	Effect Of Lubrication And Anisotropy On Hardness In The Upsetting Test	Journal Transactions Of The Indian Institute Of Metals Volume 69, Issue 7, Pages 1449-1457
12.	Mdahasan, M J Davidson, N Selvakumar	Experimental Investigations On The Densification And Deformation Behaviour Of Al-Tib2 Composite Preforms	Transactions Of The Indian Institute Of Metals, Volume 69,Issue 5, Pages 1059-1068
13.	Desalegnwogasowolla, M Joseph Davidson, Asit Kumar Khanra	Valuation Of Friction Of Powder Metallurgical Al–4 Wt% Cu Preforms By Employing Ring Compression Test And Fem In Hot Compression Test	Transactions Of The Indian Institute Of Metals Volume 69, Issue 5, Pages 1031-1041
14.	ChHarikrishna, M J Davidson, ChNagaraju, B Anil Kumar	Effect Of Lubrication On Hardness In The Ring Compression Test	Proceedings Of The Institution Of Mechanical Engineers, Part C: Journal Of Mechanical Engineering Science, Volume 230, Issue 12,Pages 1939-1950
15.	Umamaheswararao,V.Vasu, K.V.Saisrinadh	Stress Corrosion Cracking Behavior Of 7xxx Aluminum Alloys: A Literature Review	Transaction Of Non Ferrous Metals Society Of China(Accepted For Publication).(Sci Index)
16	Umamaheswararao,V.Vasu, K.V.Saisrinadh	Influence Of Diode Laser Surface Melting On Microstructure And Corrosion Resistance Of 7075 Aluminum Alloy,	International Journal Of Microstructure And Material Properties. Inderscience Publishers .(Accepted For Publication).(Scopus Index)
17.	M. Naresh Kumar, P Vamsi Krishna and XiaoliangJin	Feasibility Of Low Frequency Vibration Assisted Turning,	Int. J. Of Advanced Manufacturing Technology,2017(Accepted).
18.	Naresh Kumar Maroju* P.Vamsi Krishna XiaoliangJin	Assessment Of High And Low Frequency Vibration Assisted Turning With Material Hardness-	Int. J. Machining And Machinability Of Materials, Vol. 19, No. 2,110-135, 2017

19.	R Padmini, P Vamsi Krishna and G. Krishna Mohanarao,	Effectiveness Of Vegetable Oil Based Nanofluid As Potential Cutting Fluids In Turning Aisi 1040 Steel,	Tribology International, 94(2016), 490–501. (If:1.936)(Sci)
20.	R Padmini, P Vamsi Krishna and G. Krishna Mohanarao	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,	Institute Of Mechanical Engineers, Part-J: Journal Of Engineering Tribology, 230(5) (2016), 493-505. (If:0.916)(Sci)
21.	B. Satheesh Kumar, G. Padmanabhan, P. Vamsi Krishna,	Evaluation Of Vegetable Oil Based Cutting Fluids With Extreme Pressure Additive In Turning Aisi 1040 Steel Using Taguchi Method	Manufacturing Technology Today, Vol. 15 (9), (2016), 15-21. (I.F:Nil)
22.	B. Satheesh Kumar, G. Padmanabhan, P. Vamsi Krishna,	"Multi Response Optimization For Turning Aisi 1040 Steel With Extreme Pressure Additive Included Vegetable Oil Based Cutting Fluids Using Grey Relational Analysis	Journal Of Advanced Research In Materials Science, Vol. 23 (1), (2016), 1-14. (I.F: Nil)
23.	B. Satheesh Kumar, G. Padmanabhan, P. Vamsi Krishna,	Vegetable Oil Based Cutting Fluids With Extreme Pressure Additive In Machining, Journal Of Advanced Research In Materials Science	Journal Of Advanced Research In Materials Science, Vol. 19 (1), (2016), 1-13. (I.F: Nil)
24.	Om Prakash, M., **Raghavendra, G**., Panchal, M.Ojha, S., & Anji Reddy B.	Effects Of Environmental Exposure On Tribological Properties Of Arhar Particulate/Epoxy Composites	Polymer Composites, Doi:10.1002/Pc.24316 2017 Sci
25.	Prakash M.O,**Raghavendra G,** Panchal, M., Ojha, S., & Bose, P. S. C.	Influence Of Distinct Environment On The Mechanical Characteristics Of Arhar Fiber Polymer Composites	Silicon, Doi: 10.1007/S12633-016-9536-3, 2017 Sci
26.	Panchal M, **Raghavendra G**, Prakash M. O., Ojha, S, & Bose P. S. C.	Moisture Absorption Behavior Of Treated And Untreated Eggshell Particulate Epoxy Composites	Silicon, Doi:10.1007/S12633-016-9541-6, 2017 Sci
27.	Panchal M, **Raghavendra G**, Prakash M.O., & Ojha S.	Effects Of Environmental Conditions On Erosion Wear Of Eggshell Particulate Epoxy Composites	Silicon, Doi:10.1007/S12633-016-9505-X, 2017 Sci
28.	Thotamarkandeyulu, **Jaya Krishna Devanuri** and K. Kiran Kumar	On The Suitability Of Phase Change Material (Pcm) For Thermal Management Of Electronic Components	Indian Journal Of Science And Technology, 2016, Vol. 9(S1), Pp:1-4 Doi: 10.17485/ Ijst/2016/V9is1/107939
29.	Mathura Kumar and **D. Jaya Krishna**	Influence Of Mushy Zone Constant On Thermohydraulics Of A Pcm	Energy Procedia 109 (2017) Pp. 314 – 321, Doi: 10.1016 /J.Egypro.2017.03.074
30.	**D. Jaya Krishna** and Sharabhkochar	The Metallographic Study Of Corrosion Of Metals With Latent Heat Storage Materials Suitable for Solar Hot Water System	Transactions Of The Indian Ceramic Society, Vol. 76, No. 2, Pp. 1-9 (2017), Http://Dx.Doi.Org/ 10.1080/ 0371750x.2016.1268072
31.	Pramod B. Salunkhe and **D. Jaya Krishna**	Investigations On Latent Heat Storage Materials For Solar Water And Space Heating Applications	Journal Of Energy Storage 12 (2017) Pp. 243–260, Http:// Dx.Doi.Org/ 10.1016/ J.Est.2017.05.008
32.	Nikhil. Kishore. N.Selvaraj, C.S.P.Rao	An Evolutionary Approach For Modeling And Optimization Of Gel Casting Of Ceramics	Science Direct Elsevier Materials Today
33.	G.Prabhakararao, Kiran Prasad Ch, **V.R.K.Raju,** S.S.Rao,	Computational Optimization Of Biodiesel Combustion Using Response Surface Methodology,	Thermal Science, 2017, Vol. 21, No. 1b, Pp. 1-9.
34.	Abhaylingayat, Chandramohan V.P., V.R.K. Raju,	Design, Development And Performance Of Indirect Type Solar Dryer For Banana Drying,	Energy Procedia 109 (2017) 409 – 416.
35.	Manmadhachary A, Ravi Kumar Y, and Krishnanand L	Improve The Accuracy, Surface Smoothing And Material Adaption In Stl File For Rp Medical Models	Journal Of Manufacturing Processes, 21, 2016, Pp. 46-55.
36.	Santosh Kumar Malyala, and Ravi Kumar Y	Optimizing 128 Slice Ct Scanner Parameters To Mininizeacequisition Errors	International Journal Of Mechanical Engineering And Information Technology, 4(4), 2016, Pp. 1642-1648.
37.	Santosh Kumar Malyala, Ravi Kumar.Y	A Review On Rapid Prototyping Technologies In Biomedical Applications	International Journal Of Recent Scientific Research, 7 (5), 2016, Pp. 10783-10789.
38.	Venkateswarlu Velisala and **G Naga Srinivasulu**	Three Dimensional Cfd Modeling Of Serpentine Flow Field Configurations For The Performance Of Pem Fuel Cell,	International Journal Of Renewable Energy Research (Review Completed-Editor Decision)-2017.
39.	Venkateswarlu Velisala and **G Naga Srinivasulu**	Computational Fluid Dynamics Study Of Serpentine Flow Field Proton Exchange Membrane (Pem) Fuel Cell Performance	Heat Transfer Engineering (Review)-2017.
40.	VenkateswarluVelisala and **G Naga Srinivasulu**	Numerical Simulation And Experimental Comparison Of Single, Double And Triple Serpentine Flow Channel Configuration On Performance Of A Pem Fuel Cell	Arabian Journal For Science And Engineering (Doi 10.1007/S13369-017-2813-7-2017. (Springer Publications

41.	Venkateswarlu Velisala and **G Naga Srinivasulu**	Three Dimensional Cfd Modeling Of Serpentine Flow Field For Effective Water Removal And The Performance Improvement Of Pem Fuel Cell,	Journal Of The Brazilian Society Of Mechanical Sciences (Submitted)-2017.
42.	Roshan Sasi, KanmaniSubbu, I A Palani	Performance Of Laser Surface Textured High Speed Steel Cutting Tool In Machining Of Al7075-T6 Aerospace Alloy	Surface And Coating Technology (Elsevier) , Vol. 313, Pp. 337-346, 2017
43.	K. Akash, Ashish K. Shukla, S.S. Mani Prabhu, Dhiraj C. Narayane, S. KanmaniSubbu and Palani I. A.	Parametric Investigations To Enhance The Thermomechanical Properties Of Cualni Shape Memory Alloy Bi-Morph	Journal Of Alloys And Compounds, Vol. 720, Pp. 264-271, 5 October 2017.
45.	R. Seetharam, S. Kanmani Subbu and M. J. Davidson	Influence Of Temperature On The Workability And Hardness Of Sintered Al-4wt%B_4c In Upsetting Test	Procedia Engineering (Elsevier), Vol. 173, Pp. 910-917, 2017.
46.	Chaitanya Danduk, A.N.Jinoop, Mahesh J.Yadav and S.Kanmani Subbu	Modeling And Strategies For Laser Shock Processing	Materials Today: Proceedings, Vol. 3, Issue 10, Part B, Pp. 3997-4002, 2016.
47.	Kiran Kumar Dama, **V Suresh Babu**, R N Rao and Sridhar Emmadi	Structural Performance Assessment Of A Chrysler Neon Compact Passenger Vehicle By Numerical Methods	Materials Today: Proceedings, Volume 4, Issue 2, Part A, 2017, Pp 1820-1828, Doi: 10.1016/J.Matpr.2017.02.025. (Scopus)
48.	Kiran Kumar Dama, **V Suresh Babu**, R N Rao, Ismail Jani Shaik, and Sridhar Emmadi	Multi Objective Knowledgebase Concept Design Methodology Of Automotive Space Frame Structures For Crashworthiness By Numerical Methods	Materials Today: Proceedings, Volume 4, Issue 2, Part A, 2017, Pp 1837-1842, Doi: 10.1016/J.Matpr.2017.02.027. (Scopus)
49	Kiran Kumar Dama, Santosh Kumar Malyala, **V Suresh Babu**, R N Rao and Ismail Jani Shaik	Development Of Automotive Flexbody Chassis Structure In Conceptual Design Phase Using Additive Manufacturing	Materials Today: Proceedings. (Accepted), (Scopus
50	Kiran Kumar Dama, **V Suresh Babu**, R N Rao and Ismail Jani Shaik	State Of The Art On Basic Methodologies For Crashworthy Design Of Automotive Body Components Considering Axial Collapse Mode	Materials Today: Proceedings. (Accepted), (Scopus)
51	Kiran Kumar Dama, **V Suresh Babu**, R N Rao and Ismail Jani Shaik	State Of The Art On Basic Methodologies For Crashworthy Design Of Automotive Body Components Considering Bending Collapse Mode	Materials Today: Proceedings. (Accepted), (Scopus)
52	Kiran Kumar Dama, **V Suresh Babu** and R N Rao	State Of The Art On Basic Methodologies For Crashworthy Design Of Automotive Body Components Considering Bending Collapse Mode	Materials Today: Proceedings. (Accepted), (Scopus)
53	Kiran Kumar Dama, **V Suresh Babu** and R N Rao	State Of The Art On Automotive Lightweight Body-In-White Design	Materials Today: Proceedings. (Accepted), (Scopus)
54	M Kameswara Reddy, **V Suresh Babu**, K.V. Sai Srinadh and Z Santhi Kiran	An Overview On Effect Of Poss Nanoparticles On The Mechanical Properties Of Epoxy Resin	Materials Today: Proceedings. (Accepted), (Scopus)

* 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	Ashwani Upadhyay, **Chandramohan V.P**	Simultaneous heat and mass transfer model for convective drying of building material	Journal of The Institution of Engineers (India): SeriesC, **Springer**, DOI: 10.1007/s40032-016-0260-y, 2016.
2	Arunsandeep G, Abhay Lingayat, Razatkumar Naik, **Chandramohan V.P,** V.R.K. Raju,	Numerical solution and it's analysis during solar drying of green peas	Journal of The Institution of Engineers (India): Series C **Springer**, Accepted on 7th Mar., 2017.
3.	Neelimadevi, N.Selvaraj, V.Mahesh	Dry sliding wear behaviour of aluminium red mud tungsten carbide hybrid metal matrix	IOP publishing Materials science and engineering Vol 149, 2016
4.	N V. Murthy, N.Selvaraj C. S. P. Rao	Preparation of SiC based aluminium metal matrix nano composites by high intensity ultrasonic cavitations process and evaluation of mechanical and tribological properties	IOP publishing Materials science and engineering Vol 149, 2016
5.	P.Madhukar, N.Selvaraj, C.S.P.Rao	Manufacturing of Aluminiumnano hybrid composites- A state of review	IOP publishing Materials science and engineeringVol 149,2016

6.	N.Selvaraj	Modeling and simulation studies on effect of maintenance policies in FMS environment	International journal of engineering research and management Vol 3, issue 7 July 2016
7.	Rajkumar.T N.Selvaraj	Optimization of process performance using Brass wire in wire EDM using Grey Relation Analysis	International journal of Research in Mechanical engineering and technology Vol: 7, issue 2, May-Oct 2017
8.	Rajkumar.T N.Selvaraj	A comparative optimization on process parameters of wire EDM of Inconel 690 using Taguchi method.	International journal of Research in Mechanical engineering and technology Vol: 7, issue 2, May-Oct 2017
9.	V. Jeevan, C.S.P Rao, N. Selvaraj	Fabrication and Characterization of AA6082 – ZTA Composites by Powder Metallurgy Process	Materials Today: Proceedings, Elsevier. July 2016

* Name of the Faculty of the Department to be emboldened

iii) Peer-Reviewed Book Chapter Publications

S.NO.	Authors(*)	Title of the Paper	Book series Details (Journal, Year, Vol., pp)
1	**V.P.Chandramohan** and P. Talukdar	Estimation of equilibrium moisture content and drying time of potato during convective drying	Fluid Mechanics and Fluid Power – Contemporary Research, Lecture Notes in Mechanical Engineering, DOI: 10.1007/978-81-322-2743-4_21, **Springer,**205-213, Sep 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	Ravichandra D., Ravi Kumar Puli., **Chandramohan V.P.**	A Study on Biodiesel Characteristics of different alternative fuels, International Conference on Recent Trends in Engineering	Oral	Science and Technology, ICRTEST 2016, 25th – 27th October, St. peter's Engineering College, Hyderabad, India.
2	AbhayLingayat, **Chandramohan V.P.,**V.R.K.Raju	Design, Development and Performance of Indirect Type Solar Dryer for Banana Drying	Oral	International Conference on Recent Advancement in Air Conditioning and Refrigeration, RAAR 2016, 10-12 November 2016, CV Raman College of Engineering, Bhubaneswar, Odisha, India.
3	Ramakrishna Balijepalli, **Chandramohan V.P.,** K. Kiran Kumar	Design and Performance Parameter Evaluation of a Pilot Scale Solar Updraft Tower	Oral	Proceedings of the 1st International and 18th ISME Conference, ISME-NITW 2017, February23rd – 25th, 2017, NIT Warangal, Warangal, India.
4.	Subrata Kumar Mondal, Hari K. Voruganti and **Syed Ismail**	Isogeometric Analysis of Reynolds Equation for Hydrodynamic Lubrication	Oral	IEEE International Conference on Advances in Mechanical, Industrial, Automation and Management Systems (AMIAMS-2017), MNNIT Allahabad, 3-5 Feb 2017.
5.	AmrutMulay, Satish Ben, **Syed Ismail**, A. Kocańda and C. Jasiński	Tribological properties of silicone oil based $CaCO_3$nanofluid	Oral	Proceedings of Third International Conference on Nanotechnology for Better Living, NIT Srinagar, Vol. 3, No. 1, pp. 272, 25-29 May, 2016.
6.	**Syed Ismail**, Soumya Ranjan Guru and VivekJanu	Tribological properties of silicone oil based $CaCO_3$nanofluid	Oral	Proceedings of Third International Conference on Nanotechnology for Better Living, NIT Srinagar, Vol. 3, No. 1, pp. 272, 25-29 May, 2016.
7.	B.S. Ben, G Raghavendra, **Syed Ismail** and B.A. Ben	Synthesis of metal matrix nano composite for better ware and damping in corrosive environment	Oral	Proceedings of Third International Conference on Nanotechnology for Better Living, NIT Srinagar, Vol. 3, No. 1, pp. 274, 25-29 May, 2016.
8.	S. AmrutMulay, B S Ben, and Syed Ismail	Surface roughness prediction of incrementally formed AA5052 H32 alloy by response surface methodology	Oral	(ICEMS-2016) Jaipur National University, 2016

9.	S. AmrutMulay, B S Ben, Syed Ismail	Numerical and Experimental Study of Single Point Incremental Forming of AA5052 H32 Aluminum alloy	Oral	AIMTDR-2016, University of Pune, 2016
10.	G. Raghavendra, M Om Prakash, O. Shakuntala, Satish Ben	Effect of different environments on the mechanical properties of arhar filler	Oral	BiPoCo_2016, Budapest University of Technology and Economics, 2016
11.	BS Ben, B Rajasekhar, G Raghavendra and BA Ben	Experimental investigation of dynamic mechanical properties of nano filler	Oral	BiPoCo_2016, Budapest University of Technology and Economics, 2016
12.	**G. Raghavendra**, M Om Prakash, O. Shakuntala and Satish Ben	Effect of different environments on the mechanical properties of Arhar Filler polymer composites	oral	Department of Physical Chemistry and Materials Science Budapest University of Technology and EconomicsMail: H-1111 Budapest, Műegyetemrkp. 3. H. I.August 28 to September 1, 2016.
13.	Manish Kumar and **D. Jaya Krishna**	Analytical and Numerical Study to Assess the Solar Flux on a Heliostat based Central Receiver-MODD-027	Oral	International Conference on Energy efficient Technologies for sustainability (ICEETS-16), St.Xaviers catholic College of Engineering, Nagercoil, Tamil Nadu, India, 7th - 8th April, 2016
14.	NarasimhaSuriTinnaluri and **D. Jaya Krishna**	Visualization of Energy Transport in 2-D Complex Solid Geometries-MODD-033	Oral	International Conference on Energy efficient Technologies for sustainability (ICEETS-16), St.Xaviers catholic College of Engineering, Nagercoil, Tamil Nadu, India, 7th - 8th April, 2016.
15.	Narasimha Suri Tinnaluri and **D. Jaya Krishna**	Visualization of Thermal Transport in discretely Heated 2-D Complex Solid Geometries, 27thJune - 1st July, 2016, pp. 605-608	Oral	Sixth International Congress on Computational Mechanics and Simulation (ICCMS2016) Proceedings, Indian Institute of Technology Bombay (IITB), Mumbai, India, 27thJune - 1st July, 2016, pp. 605-608
16.	ThotaMarkandeyulu**, Jaya Krishna Devanuri** and K. Kiran Kumar	On the Suitability of Phase Change Material (PCM) for Thermal Management of Electronic Components (Paper ID-208)	Oral	2nd International Conference on Aerospace Electronics, Electrical, Communications & Instrumentation (ASECI 2016)**,** R. Siddhartha Engineering College, Vijayawada, A.P., India, 22nd- 23rd Oct., 2016.
17.	Mathura Kumar and **D. Jaya Krishna**,	Influence of Mushy Zone Constant on Thermohydraulics of a PCM (Paper ID-53),	Oral	International Conference on Recent Advancement in Air-conditioning and Refrigeration: RAAR 2016, C. V. Raman College of Engineering, Bhubaneswar, Odisha, India, 10th - 12th November, 2016
18.	NarasimhaSuriTinnaluri and **D. Jaya Krishna**	Heatline Approach for Visualization of Heat Transport in 2D Complex Geometries with Discrete Heat Sources (Paper ID-220)	Poster	6thInternational and 43rd National Conference on Fluid Mechanics and Fluid Power (FMFP 2016), MNNITA, Allahabad, U.P., India. December 15-17, 2016
19.	Praneet R Kuberand **D. Jaya Krishna**	Numerical Investigation of Aerodynamics of a New Cricket Ball (Paper ID-228)	Poster	6thInternational and 43rd National Conference on Fluid Mechanics and Fluid Power (FMFP 2016), MNNITA, Allahabad, U.P., India. December 15-17, 2016.
20	AshishSaxena, Ng Yin Kwee, Eddie, **Jaya Krishna Devanuri**, JalaiahNandanavanam, Parameshwaran R	Numerical investigation of mixed convection in a lid driven square cavity with and without fin - ISME-TE-218	Oral	Department of Mechanical Engineering, NIT Warangal, 1st International and 18th ISME Conference, February23 – 25, 2017
21.	Narasimha Suri Tinnaluri, **D. Jaya Krishna**	Visualization of thermal transport in complex geometries with discrete heat sources at bottom and left walls	Oral	Department of Mechanical Engineering, NIT Warangal, 1st International and 18th ISME Conference, February23 – 25, 2017
22.	Nikhil M.T, Kishore kumar, N.Selvaraj, CSP Rao	MGGP modeling and analysis of gelcastingpreparation of ceramics	Oral	6th International and 27th AIMTDR conference , College of Engg, Pune Dec 16-18, 2016

23.	Neelima Devi C, N.Selvaraj, V. Mahesh	Effect of heat treatment on mechanical and wear properties of Aluminum red mud tungsten carbide metal matrix hybrid composite	Oral	1st International and 18th ISME conference on Mechanical engg. NITW Feb, 23-25, 2017
24.	P.Mahukar, Nagaveni.T, N.Selvaraj, CSP.Rao	Ultrasonic cavitation process for light weight metal matrix Nano composite: A review.	Oral	1st International and 18th ISME conference on Mechanical engg. NITW Feb, 23-25, 2017
25.	Rahul kumar, N.Selvaraj CSP.Rao PSC.Bose	Modified gravitational search algorithm for optimization	Oral	1st International and 18th ISME conference on Mechanical engg. NITW Feb, 23-25, 2017
26.	Abhay Lingayat, Arunsandeep G., Chandramohan V.P., V.R.K.Raju,	Review on Design and Performance of Indirect Type Solar Driers,	Oral	Proceedings of 2nd International Conference on Thermal, Energy and Environment, March 25&26, 2016, Kalasalingam University, Tamilnadu.
27.	Abhay Lingayat, Arunsandeep G, Razat kumar Naik, Chandramohan V.P., V.R.K.Raju,	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
28.	Prabhakara Rao G, Arun Raj SR, Rudranath Singh, V.R.K.Raju, S.SrinivasaRao,	Numerical investigation of split injection on pongamia bio diesel blend,		Proceedings of 2nd International Conference on Thermal, Energy and Environment, March 25&26, 2016, Kalasalingam University, Tamilnadu
29.	Ravi Kumar.Y, Santosh Kumar Malyala, Manmadhachary A, Adityamohan Alwala	Orbital floor reconstruction using Additive Manufacturing Medical model	Oral	The International Conference On Design & Technology (DesTech-2016), Deakin University, Australia, December 5-8, 2016.
30.	**G.Nagasrinivasulu** and Sushil Kumar	Design of Bipolar Plate Flow Field Pattern for PEM Fuel Cell Suitable for the Portable Power Appliances	Oral	International Conference for Engineering and Technology, Harvard Medical School, 77 Avenue Louis Pasteur, Boston, Massachusetts. 22-26 May, 2017
31.	R. Seetharam, S. KanmaniSubbu, M. J. Davidson	Workability Behavior of Sintered Al-4%B_4C Preforms During Cold and Hot Upsetting	Oral	11th International Symposium on Plasticity and Impact Mechanics (IMPLAST-2016) , 11 - 14 Dec. 2016 IIT Delhi.Date:12-14, Dec 2016Proceedings of 6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR-2016). College of Engineering, Pune. 16-18th , Dec. 2016
32.	R. Seetharam, S. KanmaniSubbu, M. J. Davidson	Densification and Flow Behavior of Sintered Al-4%B_4C Composite during Hot Upsetting	Oral	International Conference on Emerging Trends in Materials and Manufacturing Engineering, NIT Trichy, Trichy(10-3-2017 to 12-3-2017)
33.	D. T. Sarathchandra, S. KanmaniSubbu*, N. Venkaiah	Modeling and analysis of functionally graded cylindrical shell	Oral	ISME Conference on Enabling Sustainable Development in Mechanical Engineering, NIT Warangal, Warangal 23-02-2017 to 25-02-2017 Feb 2017
34.	D. T. Sarathchandra, S. KanmaniSubbu*, N. Venkaiah	Prediction of thermal deformation in agriculture briquette mould using Finite element analysis	Oral	ISME Conference on Enabling Sustainable Development in Mechanical Engineering, NIT Warangal, Warangal 23-02-2017 to 25-02-2017 Feb 2017
35	D. T. Sarathchandra, S. Kanmani	Prediction of thermal deformation in agriculture briquette mould using Finite element analysis	Oral	International Conference on Recent Innovations in Production Engineering (RIPE) MIT, Anna University, Chennai, 24-25 March 2017 (Presented) / ISBN:978-93-86256-65-2.
36.	Rajendra Hodgir*, Mate Akshay D, Roshan Sasi, KanmaniSubbu S.	Finite Element Analysis of Oblique Cutting Performance of Macro Textured Tool	Oral	International Conference on Recent Innovations in Production Engineering (RIPE) MIT, Anna University, Chennai, 24-25 March 2017 (Presented) / ISBN:978-93-86256-65-2.

37.	Mahesh J. Yadav, Jinoop A. N., Chaitanya Danduk and S. KanmaniSubbu	Laser Shock Processing: Process Physics, Parameters, and Applications	Oral	2 International Conference on Advancements in Aeromechanical Materials for Manufacturing (ICAAMM), MLR Institute of Technology, Hyderabad, India.
38.	NiranjanNanubala, Mahesh J. Yadav, Chaitanya Danduk, S. KanmaniSubbu	Optimization of drilling parameters of fabricated GFRP composite using Taguchi method	Oral	International Conference on Energy Efficient Technologies for Sustainability (ICEETS), St. Xavier Catholic College of Engineering, Nagercoil, India. 7th -8th April, 2016.
39.	Kiran Kumar Dama, **V Suresh Babu**, R N Rao and Madhava Rao Y	A Study on Existing Multi Material FlexBody Constructional Concepts of Light-Duty Passenger Vehicle Body-in-White Structures	Oral	First International and Eighteenth National ISME Conference on Enabling Sustainable Development in Mechanical Engineering (ISME 2017), NIT Warangal, INDIA, February 23-25, 2017
40	Kiran Kumar Dama, **V Suresh Babu**, R N Rao and VijayaRamaraju M	Kiran Kumar Dama, **V Suresh Babu**, R N Rao and VijayaRamaraju M A Study on Existing Tools for Hastening the Automotive Concept Design	Oral	First International and Eighteenth National ISME Conference on Enabling Sustainable Development in Mechanical Engineering (ISME 2017), NIT Warangal, INDIA, February 23-25, 2017.

* 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	Ravichandra D., Ravi Kumar Puli., **Chandramohan V.P.**	Heat transfer analysis of a compressor on VGT turbocharger	Oral	National Symposium of Mechanical Engineering Research Scholars (NSMERS), 7thOctober 2016, NITW, Warangal, India
2	AbhayLingayat, **Chandramohan V.P.**, V.R.K.Raju	Energy and Exergy Analysis of Solar Dryer System: Review	Oral	National Symposium of Mechanical Engineering Research Scholars (NSMERS), 7thOctober 2016, NITW, Warangal, India
3.	BiPoCo_2016, Budapest University of Technology and Economics, **2016**	Numerical and experimental investigation to predict thickness distribution in single point increment	Oral	NCAMPC 2016, NIT Warangal, 2016
4.	Narasimha Suri Tinnaluri and **D.Jaya Krishna**	A Novel Algorithm for BejansHeatline Visualization in Complex Geometries	Oral	National symposium of Mechanical Engineering Research Scholars(NSMERS 2016), National Institute of Technology (NIT)-Warangal, 7th Oct 2016
5.	G Uma Maheswararao and **D.Jaya Krishna**	Visualization Of Melting Behaviour	Oral	National symposium of Mechanical Engineering Research Scholars(NSMERS 2016), National Institute of Technology (NIT)-Warangal, 7th Oct 2016
6.	Brundaban Patro, K. Kiran Kumar and **D.Jaya Krishna**	Prediction of Heat transfer characteristics in dilute gas –solid flows	Oral	National symposium of Mechanical Engineering Research Scholars(NSMERS 2016), National Institute of Technology (NIT)-Warangal, 7th Oct 2016
7.	Rahul kumar, C.S.P Rao, N.Selvaraj	Modified gravitational search algorithm for optimization	Oral	National symposium of mechanical engineering research scholar 7th Oct 2016
8.	P.Madhukar. C.S.P Rao, N.Selvaraj	Ultrasonic cavitations process for light weight metal matrix nano composite-A review	Oral	National symposium of mechanical engineering research scholar 7th Oct 2016
9.	Venkateswarlu Velisala and **G Naga Srinivasulu**	Computational Fluid Dynamics Study of Serpentine Flow Field Proton Exchange Membrane (PEM) Fuel Cell Performance	Oral	18th ISME Conference on Enabling Sustainable Development in Mechanical Engineering. February, 2017
10.	Mate Akshay D, Rajendra Hodgir,KanmaniSubbu S.	State of the art of Mechanical Surface Treatments	Oral	National conference on Emerging Technologies in Design and Manufacturing (ETDM17), 10th Feb., 2017, Tamil Nadu, PP.

11.	D. T. Sarathchandra, S. KanmaniSubbu*, N. Venkaiah	Processes errors in Additive Manufacturing	Oral	Research Conclave 2017, NIT Warangal, Warangal. 18-03-2017 to 19-10-2017
12.	K. Venkateswara Reddy, KanmaniSubbu S., R. Arockia Kumar	Microstructure and Mechanical Properties of AA6082/ZrB_2 surface composite fabricated through friction stir processing	Oral	Research Conclave 2017, NIT Warangal, Warangal. 18-03-2017 to 19-10-2017
13.	Kiran Kumar Dama, **V Suresh Babu** and R N Rao	State of the Art on Regression Analysis for Assessing the Regression Model in Automotive Conceptual Design Phase	Oral	National Symposium of Mechanical Engineering Research Scholars (NSMERS 2016), NIT Warangal, INDIA, October 07, 2016
14	Z Santhi Kiran , **V Suresh Babu** and K.V. Sai Srinadh	Mechanical properties evaluation and optimization of glass fiber reinforced layered clay/epoxy Nanocomposites	Oral	National Symposium of Mechanical Engineering Research Scholars (NSMERS 2016), NIT Warangal, INDIA, October 07, 2016

* 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	Bandari Shravan Kumar, **V. Venkata Mani**	Performance analysis of GFDM in various fading channels	*The International Journal for Computation and Mathematics in Electrical and Electronic Engineering* 35.1 (**2016**): 225-244.
2	Santhosh Kumar D, **V. Venkata Mani**	Time-of-Arrival and Direction-of-Arrival Estimation Techniques for IR-UWB Signals	Journal of Engineering Science and Technology Review 9(4) (2016) 37-47.
3	M. Ranjeeth, **Dr. S. Anuradha**	Threshold Based Censoring of Cognitive Radios in Rician fading Channel	Wireless Personal Communications, Vol.93 (2), pp. 409-430, June 2016
4	V. Sandeep Kumar, **S. Anuradha**	Adaptive clipping-Based active Constellation Extension for PAPR Reduction OFDM/OQAM signals	Circuits, Systems, Signal Processing Journal, ISSN:0278-081X, Springer, Vol.35, no.12, pp.1-13, December 2016.
5	V. Sandeep Kumar, **S. Anuradha**	Novel Peak-to-Average Power Ratio Reduction Methods for OFDM/OQAM Systems	ETRI Journal, vol.38, no.6, pp.1124-1134, December 2016
6	M. Ranjeeth, **S. Anuradha**	Maximization of Network Utility Function in Co-operative Spectrum Sensing using Energy Detection Scheme	Indian Journal of Science and Technology, DOI:10.17485/ijst/2016/v9iS1/107908, December 2016
7	K. Shri Ramtej, **S. Anuradha**	Logarithmic Companding Technique to Improve Performance of SC-FDMA Systems	Indian Journal of Science and Technology, DOI:10.17485/ijst/2016/v9iS1/107908, December 2016
8	Kondoju Sai Krishna, **V. Venkata Mani**	Outage and BER analysis of dual-carrier modulation over frequency-selective Nakagami-m fading channels	*The international journal for computation and mathematics in electrical and electronic engineering* 36.1 (**2017**): 90-107.
9	Pogula Rakesh, **T. Kishore Kumar**	Adaptive Affine Combination of Two IPNLMS Filters for Robust Sparse Echo Cancellation	**Journal of Telecommunication, Electronic and Computer Engineering (JTEC),** Vol. 9 No. 1-3, 2017. **(SCOPUS)**
10	Prasad N, **T. Kishore Kumar**	Speech Bandwidth Extension Aided by Magnitude Spectrum Data Hiding	**Circuits, Systems and Signal Processing,** March 2017, PP 1-27
11	Sunnydayal, **T. Kishore Kumar**	Speech enhancement using Posterior Regularized NMF with bases update	**Computers and Electrical Engineering Journal,** March 2017, PP 1-13
12	A. Prakasa Rao, **NVSN Sarma**	Synthesis of Reconfigurable Antenna Array using Differential Evolution Algorithm	IETE Journal of Research, Vol 63No:3, pp 428-434, February 2017
13	V. Sunnydayal, **T. Kishore kumar**, Sergio Cruces	An Iterative Posterior NMF Method for Speech Enhancement in Presence of Additive Gaussian noise	Neurocomputing Journal, Vol. 230, pp. 312-315, 2017

14	Prasad Nizampatnam, **T.Kishore Kumar**	Bandwidth Extension of telephone speech using magnitude spectrum data hiding	**International Journal of Speech Technology (IJST),** March 2017,Volume 20, Issue 1,pp 151-162, Springer
15	Sudeep Surendran, **T. Kishore Kumar**	Variance Normalized Perceptual Subspace Speech Enhancement	AEU-International Journal of Electronics and Communications, Vol 74, Pages 44-54,April 2017.
16	Prasad Nizampatnam, **T.Kishore Kumar**	Bandwidth Extension of narrowband speech using integer wavelet transform	IET Signal Processing, Pages 21, 2016.

* 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	Shravan Kumar Bandari, **V. Venkata Mani**	Multi-taper Implementation of GFDM	Oral	IEEE International Conference on Wireless Communications and Networking Conference (WCNC 2016), 3rd-6th April, 2016, Qatar.
2	**K. Ravi Kishore**	WSN in Coffee Cultivation	Oral	IEEE International Conference on Computing Communication and automation (ICCCA-2016), 28th-29th April, 2016, Uttar Pradesh.
3	Shravan Kumar Bandari, **V. Venkata Mani**	i) Outage and average BER Analysis of Multiband OFDM UWB system with MRC/EGC Receiver in Log-normal Fading Channels. ii) OQAM implementation of GFDM	Oral	23rd International Conference on Communications (ICT 2016),16-18th May 2016, Thessaloniki, Greece
4	Rosali Mohanty, **M.V Ragunadh**	Skin color segmentation based Face Detection using Multi-Color Space	Oral	IEEE International Conference on Recent Trends in Electronics Information and Communication Technology(RTEICT), 20th-21st May, 2016.
5	M. Ranjeeth, **S. Anuradha**	Threshold Based Censoring of Cognitive Radios in Rician Fading Channel with Perfect Channel Estimation	Oral	11th International Conference on Cognitive Radio Oriented Wireless Networks (CROWNCOM 2016), 30th May-1st June 2016, France.
6	**N.V.S.N Sarma**	A new Bi Static RCS Measurement Technique for Compact Antenna Test Ranges	Oral	38th annual Symposium of the Antenna Measurement Techniques association AMTA 2016, 30th October-04th November, 2016, Austin, Texas, USA.
7	Ratikant Sahoo, **D. Vakula**	A Dual Slot Conformal Antenna for Wi-Fi Application	Oral	38th annual Symposium of the Antenna Measurement Techniques association AMTA 2016, 30th October-03th November, 2016, Austin, Texas, USA.
8	**N.V.S.N Sarma**	–	Oral	Asia Pacific Microwave Conference (APMC 2016), New Delhi, 05th-09th December, 2016.
9	**K. Ravi Kishore**	An Implementation of MQTT using CC3200	Oral	International Conference on Control Instrumentation Communication and Computational Technologies (ICCICCT 2016), Kanyakumari, Tamilnadu. 14th-16th December, 2016.
10	V. Sandeep Kumar, **S. Anuradha**	Adaptive Clipping Tone Reservation algorithm for PAPR Reduction in OFDM/OQAM System	Oral	13th International IEEE India Conference INDICON 2016, IISC Bangalore, 15th-19th December, 2016.
11	**P. Sreehari Rao**	A Low Power, High-Accuracy, 1-V CMOS Potentiostat for Amperometric Sensors	Oral	Advancement Research in Circuits and Systems International Conference (ARECAS 2016) being organized by Malaysia Technical Scientist association(MALTESAS), Langkawi Island, Kedah, Malaysia. 20th-22nd December, 2016.
12	**K. Ravi Kishore**	MQTT based Home Automation System using ESP8266	Oral	IEEE Region 10 Humanitarian Technology Conference 2016(HTC 2016), Agra (UP), 21st-23rd December, 2016.

13	V. S. Kumar**,** **T.V.K. Hanumantha Rao**	Resampling schemes for Rao-Blackwellization Particle Filters	Oral	2016 International Conference on Computing, Analytics and Security Trends (CAST), Pune.
14	Shravan Kumar Bandari, **V. Venkata Mani**	Robust Precoded OSTBC for GFDM Systems	Oral	
15	Shravan Kumar Bandari, **V. Venkata Mani**	GFDM/OQAM implementation under Rician fading channel	Oral	*2016 International Conference on Advances in Computing, Communications and Informatics (ICACCI),* Jaipur, 2016
16	Prasad, **T. Kishore Kumar**	Speech bandwidth extension using magnitude spectrum data hiding	Oral	International Conference on Computing, Analytics and Security Trends **(CAST-2016)**, College of engineering Pune, India.
17	Sudeep Surendran, **T. Kishore Kumar**	Subspace speech enhancement with noise estimation using SPP	Oral	International Conference on Next Generation Intelligent Systems **(ICNGIS)**, 2016, RIT Kottayam, India.
18	Pogula Rakesh, **T. Kishore Kumar**	An Affine Combination of Two Adaptive Filters for System Identification with Variable Sparsity	Oral	5th International Conference on Advances in Computing, Communications and Informatics (**ICACCI**) 2016, Jaipur, India.
19	P Akhendra Kumar, **N. Bheema Rao**	Fractal spiral capacitor for RF applications	Oral	IEEE International Conference on Control, Measurement and Instrumentation", (CMI), Kolkata India, 2016.
20	Dhongade Dayanand Viswanath, **T.V.K. Hanumantha Rao**	Classification of sleep disorders based on EEG signals by using feature extraction techniques with KNN classifier	Oral	IEEE International conference on Innovations in Green Energy and Healthcare technologies, Coimbatore, India, 2017.
21	Pogula Rakesh, S. Siva Priyanka, **T. Kishore Kumar**	Performance Evaluation of Beamforming Techniques for Speech Enhancement	Oral	4thInternational Conference on Signal Processing, Communications and Networking **(ICSCN)**, 16-18 March 2017, Chennai, India.
22	Utkarsh Rastogi, Rastogi, Rathod Chandra Sekhar, Shubam Singh, **S. Anuradha**	Optimal Chaotic Sequences for DS-CDMA using Genetic Algorithm	Oral	IEEE International conference on Wireless Communicatoions, Signal Processing and Networking(WISPNET), 22nd-24th March, 2017, Chennai.
23	Surekha Reddy Bandela, **Kishore Kumar T**	Stressed Speech Emotion Recognition using feature fusion of Teager Energy Operator and MFCC	Oral	8th IEEE International Conference On Computing, Communication and Networking Technologies (ICCCNT-2017), IIT Delhi.

* 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	Papiya Biswas, Anu Sharma, Manu Krishnan, Roy Johnson and **Mantravadi Krishna Mohan**	Fabrication of $MgAl_2O_4$ Spinel Scaffolds and Sonochemical Synthesis and Deposition of Hydroxyapatite Nanorods	The American Ceramic Society, 1–6 (2016), DOI: 10.1111/jace.14189, 2016
2	Hanuma Reddy Tiyyagura, Rebeka Rudolf, Selestina Gorgieva, Regina Fuchs-Godec, Boyapati Venkata Appa Rao, **Mantravadi Krishna Mohan**, Vanja Kokol	The Chitosan Coating and Processing Effect on the Physiological Corrosion Behaviour of Porous Magnesium Monoliths	Progress in Organic Coatings, 99 (2016) 147-156.
3	T. Hanuma Reddy, Snehashis Pal, K. Chaitanya Kumar, **M. Krishna Mohan** and Vanja Kokol	Finite Element Analysis for Mechanical response of Magnesium Foams with Regular Structure Obtained by Powder Metallurgy Method	Procedia Engineering, 149 (2016) 425-430
4	Papiya Biswas, Dibyendu Chakravarty, Madireddy Buchi Suresh, Roy Johnson and **Mantravadi Krishna Mohan**	Fabrication of Graphite Contamination Free Polycrystalline Transparent $MgAl_2O_4$ Spinel by Spark Plasma Sintering using Platinum Foil	Ceramics International, 42 (2016) 17920-17923
5	Hanuma Reddy Tiyyagura , K. Chaitanya Kumar, K. Koteshwara Reddy, **M. K. Mohan**	Investigation on Electro-Chemical Behavior of Ti-15V-3Cr-3Al-3Sn in Concentrated H_2SO_4 and HCl Solutions	Journal of Materials Science & Surface Engineering Vol. 5 (1), 2017, pp 496-499
6	Timothy E.L. Douglas, Sumar Kumari, **M.K. Mohan** et. al	Titanium surface functionalization with coatings of chitosan and polyphenol-rich plant extracts	Materials Letters, Vol. 196, 2017, pp. 213-216
7	U. Ravi Kiran , A. Panchal , M. Prem Kumar , M. Sankaranarayana, **G.V.S. Nageswara Rao**, T.K. Nandy	Refractory metal alloying: A new method for improving mechanical properties of tungsten heavy alloys	Journal of Alloys and Compounds 709 (2017) 609-619
8	U. Ravi Kiran, Shiv Kumar Khaple, M. Sankaranarayana, **G.V.S. Nageswara Rao** and T. K. Nandy	Effect of swaging and aging heat treatment on microstructure and mechanical properties of tungsten heavy alloy	Materials Today: Proceedings XX (2017)
9	B. Bhatt, T.S.R.Ch. Murthy, P.K. Limaye, A. Nagaraj, K. Singh, J.K. Sonber, K. Sairam, A. Sashanka, **G.V.S. Nageswara Rao**, T. Srinivasa Rao	Tribological studies of monolithic chromium diboride against cemented tungsten carbide (WC-Co) under dry condition	Ceramics International, 42(2016) 15536–15546
10	T. Sakthivel, P. Shruti , P. Parameswaran, **G. V. S. Nageswara Rao,** K. Laha and T. Srinivasa Rao	Enhancement in creep strength of modified 9Cr-1Mo steel through thermomechanical treatment	Trans Indian Inst Metals, DOI 10.1007/s12666-016-0902-z, Published online: 26 May 2016
11	U. Ravi Kiran, 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
12	Shivakumar Nagavelly, Vasu Velagapudi and **N.Narasaiah**	*PROCESSING AND DRY SLIDING WEAR BEHAVIOR OF AL_2O_3 NANOPARTICLES REINFORCED ZA-27 COMPOSITES*	Materials today proceedings, Vol. 4, Issue 2, Part A, 2017, Pages 4006–4012 (2017) https://doi.org/10.1016/j.matpr.2017.02.302
13	Vani Shankar, Amit Kumar, Mariappan K., Sandhya R., Laha Kinkar, Arun Kumar Bhaduri, **N.Narasaiah**	Occurrence of dynamic strain aging in Alloy 617M under low cycle fatigue loading	International Journal of Fatigue, Vol. 100, pp. 12 – 20 (2017), https://doi.org/10.1016/j.ijfatigue.2017.03.001
14	Liangming Yan, Di An, Ge Shi, Mingzhe Bian, **Asit Kumar Khanra**, and Huiting Wang	A Comparative Study of Constitutive and Neural Network Models for Flow Behavior of Mg-5.9Zn-1.6Zr-1.6Nd-0.9Y Alloy and Processing Maps	Journal of Materials Engineering and Performance DOI: 10.1007/s11665-017-2643-5

15	**V. Rangadhra Chary**, T. Srinivasa Rao and **M. K. Mohan**	Mechanical Characterization of TiO_2 Reinforced Epoxy composites with the addition of Nanocrystalline TiB_2 particles	International Journal of Science, Technology and Engineering, Vol.3 (9) 2017
16	Arjun Dey, Manish Kumar Nayak, A. Carmel Mary Esther, Maurya Sandeep Pradeepkumar, Deeksha Porwal, A. K. Gupta, Parthasarathi Bera, Harish C. Barshilia, Anoop Kumar Mukhopadhyay, **Ajoy Kumar Pandey**, Kallol Khan, Manjima Bhattacharya, D. Raghavendra Kumar, N. Sridhara & Anand Kumar Sharma	Nanocolumnar Crystalline Vanadium Oxide-Molybdenum Oxide Antireflective Smart Thin Films with Superior Nanomechanical Properties	Scientific Reports 6, Article number: 36811 (2016)
17	**Ajoy Kumar Pandey** and Koushik Biswas	Effect of hydrothermal treatment on tribological properties of alumina and zirconia based bioceramics	Ceramics International 42(2016)2306–2316
18	Shivkumar Khaple, V.V. Satya Prasad, **Brahma Raju Golla**, R.G. Baligidad, A.A Gokhale	Effect of TiB_2 and ZrB_2 additions on Structure and Properties of Fe-7Al Based Light Weight Steel	(in press 2017) http://dx.doi.org/10.1016/j.msea.2017.05.011
19	Thiruparasakthi Balakrishnan, Kommineni Uday Venkat Kiran, S. Mithin Kumar, **Arockiakumar Raju**, Sakthivel Arun Kumar, Sundar Mayavan	Copper particles decorated boron carbon nitride, an efficient catalyst for methyl orange oxidation under sonication and sunlight irradiation	Journal of Environmental Chemical Engineering 5 (2017) 564-571
20	S. Mithin Kumar, Uday Venkat Kiran, **Arockiakumar Raju**, S. Ambalavanan, Sundar Mayavan	Effect of boron–carbon–nitride as a negative additive for lead acid batteries operating under high-rate partial-state-of-charge conditions	RSC Advances 6 (2016) 75122-75125
21	P.Nanekar, N.Jothilakshmi, A.Kumar and **T.Jayakumar**	Sound beam focusing using phased array – SAFT technique	Insight - Non-Destructive Testing and Condition Monitoring, 59 (3), 2017, pp. 129-137.
22	G.V. Prasad Reddy, P.M. Dinesh, R. Sandhya, K. Laha and **T. Jayakumar**	Behavior of 321 stainless steel under engineering stress and strain controlled fatigue	International Journal of Fatigue, 92, 2016, pp. 272–280
23	Rishi Pamnani, M.Vasudevan, **T. Jayakumar**, P.Vasantharaja and K.C. Ganesh	Numerical simulation and experimental validation of arc welding of DMR-249A steel	Defence Technology, 12, 2016, pp. 305-315.
24	S. Mahadevan, R. Manojkumar**, T. Jayakumar**, C.R. Das, and B.P.C. Rao	Precipitation-Induced Changes in Microstrain and Its Relation with Hardness and Tempering Parameter in 17-4 PH Stainless Steel	Metallurgical and Materials Transactions A, 47A, 2016, pp. 3109-3118.

* 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	U. Ravi Kiran, M. Sankaranarayana, **G. V. S. Nageswara Rao**, T. K. Nandy	Effect of cobalt addition on microstructure and mechanical properties of tungsten heavy alloys	Trans Indian Inst Met, DOI 10.1007/s12666-017-1074-1, Published online, March 2017
2	Shivakumar Nagavelly, Vasu Velagapudi and **N.Narasaiah**	Mechanical properties and dry sliding wear behavior of molybdenum disulphide reinforced zinc-aluminium alloy composites,	Transactions of Indian Institute of Metals (2017) **In press**, DOI: 10.1007/s12666-017-1037
3	R.Govinda Rao, K.L.Sahoo, R.I.Ganguly, R. R. Dash, and **N.Narasaiah**	Effect of Flyash Treatment on the Properties of Al-6061 Alloy Reinforced with SiC–Al2O3–C Mixture	Transactions of Indian Institute of Metals **(Accepted**) doi:10.1007/s12666-017-1131-9
4	**V Rangadhara Chary**, T Srinivasa Rao, **M K Mohan**	Effect of nanocrystalline TiB_2 addition on properties of Copper powder reinforced epoxy composites	Transactions of Indian Institute of Metals, SCI, Impact Factor: 0.502, DOI: 10.1007/s12666-017-1130-x. (In Press)
5	A. Gautam Revankar, P. Chakravarthy, **R. Arockia Kumar**	*Influence of Cold Work on the Microstructural Evolution and Hardness during Aging of AA6061 Alloy*	Transactions of the Indian Institute of Metals, 70 (2017) 623-630

* 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	U. Ravi Kiran, M. Sankaranarayana, **G. V. S. Nageswara Rao**, T. K. Nandy	Effect of mechanical alloying on mechanical properties of rhenium added tungsten heavy alloys	Oral	Presented at PMAI 2017, New Delhi
2	U. Ravi Kiran, Shiv Kumar Khaple,M.Sankaranarayana, **G.V.S. Nageswara Rao** and T. K. Nandy	Effect of swaging and aging heat treatment on microstructure and mechanical properties of tungsten heavy alloy	Oral	ICMPC 2017
3	U. Ravi Kiran, M. Sankaranarayana, **G.V.S. Nageswara Rao**, T. K. Nandy	Effect of cobalt addition on microstructure and mechanical properties of tungsten heavy alloys	Oral	IMME 2017, NIT Tiruchirappalli
4	Sony Priya Valluri, **N Narasaiah**, Y. Balaji and N. Eswara Prasad	Effect of aging on mechanical properties of 11Cr-10Ni precipitation hardened martensitic stainless steel	Invited talk	The 4th Int. Conference for Advanced Materials and Materials Processing (ICAMMP-IV),05 - 07 Nov., 2016, IIT, Kharagpur, India.
5	N. Shivakumar V. Vasu **N Narasaiah**	Fabrication and wear behavior of ZA-27 reinfroced Molybdenum disulfide composites using stir casting process	Oral	6th Int. & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR2016), 16– 18 Dec. 2016, College of Engineering, Pune, 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	Manish Kumar Gupta, Rajneesh Kumar and **M. K. Mohan**	Weldability Study of API X65 Steel by HAZ Simulation		National Metallurgical Laboratory, Jamshedpur during 9th June 2016.
2	Shivkumar Khaple, **G.B. Raju**, V.V.Satya Prasad, R.G.Baligidad	Effect of niobium on microstructure and mechanical properties of light weight steel based on Fe-7Al-0.3C	Oral	ISRS-2016, IIT Chennai
3	Shivkumar Khaple**, G.B. Raju,** V.V.Satya Prasad, R.G.Balogidad	Effect of carbon on microstructure and mechanical properties on light weight steel based on Fe-7Al	Oral	69th ATM-NMD, Indian Institute of Metals, 14-17 Nov- 2015, Coimbatore
4	Surya Prakasarao Ch, SlaviaDeeksha D'Souza, Pratim Hazarika, **Arockia Kumar R** and Paul Joseph D	Indigenous apparatus for bending and twisting tests of ultra thin films on a flexible substrate	Poster	Research conclave 17-19 March 2017, NITW.
5	Surya Prakasarao Ch, Slavia Deeksha D'Souza, Pratim Hazarika, Karthiselva N S, Ramesh Babu R, **Arockia Kumar R**, Kovendhan M and Paul Joseph D	Highly Flexible and Conductive Au-Ag-Au Multilayer Transparent Ultrathin films on Flexible PET Substrate	Oral	Research conclave 17-19 March 2017, NITW.
6	Surya Prakasarao Ch SlaviaDeeksha D'Souza, Pratim Hazarika, Karthiselva N S,Ramesh Babu R, **Arockia Kumar R**, Kovendhan M and Paul Joseph D	Mechanical, Optical and Transport Properties of Ultra-thin Au-Ag-Au Tri-layer film on Flexible PET Substrate	Oral	International Workshop on Advanced Functional Nano materials - 4th Edition (IWAN-4) Anna University, Chennai on 22-24 march 2017
7	**T.Jayakumar**	Characterization of Microstructures using Non Destructive Evaluation Techniques	Invited	Proceedings of Workshop on Materials Characterisation Techniques, Jadavpur University, Kolkata, Oct. 2016.
8	G.Padmanabhan, **T.Jayakumar**, A.Boominathan	Evaluation of strength parameter for a deep excavation problem and prediction of the behaviour of exacavation using different soil models	Oral	Proceedings of the Indian Geotechnical Conference (IGC2016), IIT Madras, Chennai, Dec. 2016.

* 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	Rayalla Rayalla Ranganayakulu, **Babu G.U.B**., Seshagiri A., DipeshPatle	Comparative study of Fractional Order $PI^{\lambda}/PI^{\lambda}D^{\mu}$ Tuning Rules for Stable First Order Plus Time Delay Processes	Resource-Efficient Technologies [Elsevier] 2 (2016) S136 S152 2016
2	RayallaRanganayakulu , **Babu G.U.B**	Control performance enhancement using fractional PID controller for first order time delay systems	IEEE Xplore[IEEE] DOI: 10.1109/ICPEICES.2016.7853386 2016
3	A. Yerrayya, **P V Suresh**	Syngas fueled chemical looping combustion (CLC) power plant - Exergy analysis	Journal of Industrial Pollution Control 32(1) (2016), 390-396 2016
4	**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 23(20)(2016), 20120-20130 2016
5	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, 135-142 2016
6	B. A. Bhanvase, M. A. Patel, **Shirish H. Sonawane**, A. B. Pandit	Intensification of Ultrasound-Assisted Process for the Preparation of Spindle-Shape Sodium Zinc Molybdate Nanoparticles	UltrasonicsSonochemistry 28, 311–318 2016
7	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, 150–160 2016
8	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, 356–363 2016
9	Vilas K. Mahajan, Sandip P. Patil, **Shirish H. Sonawane**, Gunvant H. Sonawane	Ultrasonic, photocatalytic and sonophotocatalytic degradation of Basic Red-2 by using Nb2O5 nano catalyst	AIMS Biophysics, 3(3), 415-430 2016
10	B.A. Bhanvase, S.D. Kamath, U.P. Patil, H.A. Patil, A.B. Pandit, **Shirish H. Sonawane**	Intensification of heat transfer using PANI nanoparticles and PANI-CuO nanocomposite based nanofluids	Chemical Engineering and Processing: Process Intensification 104, 172–180 2016
11	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, 326–335 2016
12	S. Sharada, Prashant L. suryawanshi, P. Rajesh Kumar, Sarang P. Gumfekar, T. Balanarsaiah, **Shirish H. Sonawane**	Synthesis of Palladium Nanoparticles using Continuous Flow Microreactor	Colloids and Surfaces A: Physicochemical and Engineering Aspects 498, 297–304 2016
13	P.D. Jolhe, B.A.Bhanvase, V.S. Patil, **Shirish H. Sonawane**	Green Route for Silver Nanoparticles Synthesis by RaphanusSativus Extract in a Continuous Flow Tubular Microreactor	International Journal of Nanoscience, 15, 5, 1650019 (1-11) 2016
14	Prashant L. Suryawanshi, Sarang P. Gumfekar, P. Rajesh Kumar, Bharat B. Kale, **Shirish H. Sonawane**	Synthesis of ultra-small platinum nanoparticles in a continuous flow microreactor	Colloid and Interface Science Communications 13, 6–9 2016
15	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, 55–61, 2016
16	P.K. Labhane, L.B. Patle, V.R. Huse, G.H. Sonawane, **Shirish H. Sonawane**	Synthesis of reduced graphene oxide sheets decorated by zinc oxide nanoparticles: Crystallographic, optical, morphological and photocatalytic study	Chemical Physics Letters 661, 13–19. 2016

17	Bhaskar Bethi, **Shirish H. sonawane**, Bharat A. Bhanvase, Sarang P Gumfekar	Nanomaterials- based advanced oxidation processes for wastewater treatment: A review	Chemical Engineeing and Processing: Process Intensification 109, 178-189 2016
18	S. Shabana, Uday D. Bagale, **Shirish H. Sonawane**, MuthupandianAshokkumar	Preparation of Fe_2O_3 nanoparticles by acoustic & hydrodynamic cavitation techniques and corrosion inhibition release studies using its nanocontainers	Protection of Metals and Physical Chemistry of Surfaces. Accepted 2016
19	B.A. Bhanvase, TruptiShinde, **Shirish H. Sonawane**	A review on graphene-TiO_2 and doped graphene-TiO_2 nanocomposite photocatalyst for water and wastewater treatment	Environmental Technology Reviews 6 (1), 1–14 2016
20	S. Shabana, **S.H. Sonawane**, V. Ranganathan, P.H. Pujjalwar, D.V. Pinjari, B.A. Bhanvase, P.R. Gogate, MuthupandianAshokkumar,	Improved synthesis of aluminium nanoparticles using ultrasound assisted approach and subsequent dispersion studies in di-octyladipate	UltrsonicsSonochemistry 36, 59–69. 2017
21	Swapnil Adsul, T. Shiva, S. Sathiyanarayanan, **Shirish H. Sonawane**, R Subasri	Self-Healing Ability of Nanoclay-based Hybrid Sol-Gel Coatings on Magnesium Alloy AZ91D	Surface and Coatings Technology 309, 609-620. 2017
22	YadagiriMaralla, **Shirish H Sonawane**, DhurkeKashinath, MakarandPimplapure, Banothpaplal	Process Intensification of Tetrazole reaction through tritylation of 5-[4'-(Methyl) Biphenyl-2-Yl] using microreactors	Chemical Engineering and Processing: Process Intensification 112, 9–17 2017
23	S. M. Gaikwad, P.D. Jolhe, B.A. Bhanvase, A. Kulkarni, V. S. Patil, M. S. Pimplapure, **S. Srinath**, **Shirish H. Sonawane**	Process Intensification for Continuous Synthesis of Performic Acid Using Corning® Advanced-Flow TM Reactors	Green Processing & Synthesis Accepted 2017
24	Sarita J Charde, Shriram S. Sonawane, Ajit P. Rathod, **Shirish H. Sonawane**, Navin G. Shimpi, Vishal R. Parate	Copper-Doped Zinc Oxide Nanoparticles: Influence on Thermal, Thermo Mechanical, and Tribological Properties of Polycarbonate,	Polymer Composites DOI 10.1002/pc.24315 2017
25	Prashant L. Suryawanshi, **Shirish H. Sonawane**, Bharat A. Bhanvase, Muthupandian Ashok kumar, Makarand S. Pimplapure, Parag R. Gogate,	Synthesis of iron oxide nanoparticles in a continuous flow spiral microreactor and Corning® advanced flow^{TM} reactor (AFR^{TM})	Green Processing and Synthesis DOI 10.1515/gps-2016-0138. 2017
26	S.R. Shirsath, S.S. Sable, S.G. Gaikwad, **Shirish H. Sonawane**, D.R. Saini, P.R. Gogate	Intensification of extraction of curcumin from *Curcuma amada* using ultrasound assisted approach: Effect of different operating parameters	UltrasonicsSonochemistry. Accepted 2017
27	Uday D. Bagale, Rhushikesh Desale, **Shirish H. Sonawane**, Ravindra D.Kulkarni	An active corrosion inhibition coating of two pack epoxy polyamide system using halloysitenanocontainer	Journal of Protection of Metals and Physical Chemistry of Surfaces Accepted 2017
28	Uday D. Bagale , **Shirish H. Sonawane**, B.A. Bhanvase , R.D.Kulkarni, P.R. Gogate	Green Synthesis of nanocapsules for self-healing anticorrosion coating using ultrasound assisted approach	Journal of Green processing synthesis Accepted 2017
29	Bhaskar Bethi, **Shirish H. Sonawane**, Bharat A. Bhanvase, Irina Potoroko, Shriram S. Sonawane	Novel Hybrid System Based on Hydrodynamic Cavitation for treatment of Dye Waste Water: A First report on bench scale study	Journal of Environmental Chemical Engineering 5, 1874–1884 2017
30	P. D. Jolhe, B. A. Bhanvase, V. S. Patil, **Shirish H. Sonawane**	Ultrasound Assisted Synthesis of Performic Acid in a Continuous Flow Microstructured Reactor	UltrasonicsSonochemistry Accepted 2017
31	Liyakhath Ahmed Shaik, **Sunil Kumar Thamida**	Surface evolution of corroding metal as a moving boundary problem by random assignment of anodic and cathodic sites	Journal of Electroanalytical Chemistry Vol. 780, 264-270 2016
32	Vijaya Kumar Talari, **Sunil Kumar Thamida**, and R. C. Sastry	Development of a Semi-Empirical Correlation for Viscosity of a Nanofluid from Particle Based Approach	J. Nanofluids Vol. 6, 524–529 2017
33	Biswadeep Bagchi, Sushmita Sati,**Vidyasagar Shilapuram**	Modelling solubility of CO_2 and Hydrocarbon gas mixture in Ionic Liquid ([emim][FAP]) using ASPEN Plus	Journal of Molecular Liquids Vol. 224, Pg: 30-42, 2016
34	Ritesh Ramesh Palkar,**Vidyasagar Shilapuram**	Detailed parametric design methodology for hydrodynamics of liquid-solid circulating fluidized bed using design of experiments,	Particuology 31, Pg: 59-68 2017
35	Ritesh Ramesh Palkar,**Vidyasagar Shilapuram**	Artificial Neural Network Modeling of Hydrodynamics of Liquid-Solid Circulating Fluidized Bed.,	Chemical Engineering and Technology Vo., 40 (1), Pg:145-152 2017

36	**Vidyasagar Shilapuram,** NesrinOzalp	Hydrogen production by carbon catalyzed methane decomposition via thermogravimetry	Journal of energy resources technology Vol. 139(1), 012005-01 to 8 2017
37	K. Ghousiya Begum**, A. Seshagiri Rao** 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
38	**B. Vivekanandan and A. Seshagiri Rao**	Evaluation of control strategies for activated sludge process for biological waste water treatment	Chemical Product and Process Modeling 11(4), 279-289 2016
39	**Purushottama Rao Dasari, Lavanya Alladi, A. Seshagiri Rao,** ChangKyooYoo	Enhanced design of cascade control systems for unstable processes with time delay	Journal of Process Control 45, 43-54 2016
40	B. Vanavil and **A. Seshagiri Rao**	Dual substrate fermentation using palm oil and Glucose for production of eco-friendly biosurfactants using P. aeruginosa NITT 6L	Indian Journal of Chemical Technology Accepted 2016
41	**K. Raviteja, Purushottama Rao Dasari and A. Seshagiri Rao**	Improved controller design for two-input-twp-output (TITO) unstable processes	Resource Efficient Technologies 2, S76-S86 2016
42	**B. Vivekanandan, A. Seshagiri Rao** and R. Saravananae	Enhanced control of activated sludge process using pre-determined set points	International Journal of Environmental Science and Technology 14(3), 487-496 2017
43	K. Ghousiya Begum**, A. Seshagiri Rao and** T. K. Radhakrishnan	Enhanced IMC based PID controller design for non-minimum phase (NMP) integrating processes with time delays	ISA Transactions Accepted 2017
44	**T.Srinivas, A. Venu Vinod**	The Effective Thermal Conductivity of Water Based Nanofluids at Different Temperatures	Journal of Testing and Evaluation (ASTM) 44, Issue 1, 280-289, 2016
45	**T. Srinivas, A. Venu Vinod**	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
46	**Naveen Kumar Rayi,** Neelima Chowdary K**,** and **Venu Vinod Ananthula,**	Gas Holdup in Bubble Column Bioreactor Degrading Phenol,	*Journal of Hazardous, Toxic, and Radioactive Waste,* 21-2, 1-7 2017
47	**B. Anil Kumar Naik, A. Venu Vinod**	Rheological Behavior and Effective thermal conductivity of non- Newtonian nanofluids	Journal of Testing and Evaluation (ASTM) Accepted for Publication
48	Neelima chowdary Kommareddy**, Venu Vinod Ananthula**	CFD Simulation of Algae Production in Airlift Photobioreactor,	Journal of Hazardous, Toxic, and Radioactive Waste Accepted for Publication
49	**Murali M. Seepana**, Jay Pandey, Anupam Shukla	Design and synthesis of highly stable poly(tetrafluoroethylene)-zirconium phosphate (PTFE-ZrP) ion-exchange membrane for vanadium redox flow battery (VRFB)	Ionics, Springer Berlin Heidelberg DOI 10.1007/s11581-016-1967-8 2016
50	P.Onkara Perumal, **Y. PydiSetty**	Meta-analysis of microarray data and integrated pathway enrichment analysis hints novel gene signatures associated with pathogenesis of obesity in Rattusnorvegicus	Pure and applied microbiology Vol. 10, 2, 1167-1174 2016
51	L.Suresh, P.Onkara, P. Sagar Vijay Kumar, **Y. PydiSetty**, GVP Chandramouli	Ionic liquid-promoted multicomponent synthesis of fuzedtetrazolo{1,5-a] pyrimidines as a-glucosidase inhibitors	Bioorganic and medicinal chemistry letters Accepted (DOI: http://dx.doi.org/10.1016/j.bmcl.2016.06.086)
52	OnkaraPerumal, Sagar Vijay Kumar Peddakotla, Lingala Suresh, G.V.P.Chandramouli, **Y. PydiSetty**	α-Glucosidase inhibitory activity, molecular docking, QSAR and ADMET properties of novel 2-amino-phenyldiazenyl-4H-chromene derivatives	Journal of Biomolecular Structure and Dynamics Accepted (DOI: 10.1080/07391102.2016.1227278)
53	Lingala Suresh, P. Saga, Vijay Kumar, P. Onkar, L. Srinivas, **Y. Pydisetty**, G.V.P.Chandramouli	Synthesis and in vitro evaluation of dihydro-6Hchromeno[4,3-b]isoxazolo[4,5-e]pyridine derivatives as potent antidiabetic agents	Research on Chemical Intermediates Accepted (DOI 10.1007/s11164-017-2938-z)
54	**K. Anand Kishore**, M. Mallaih and G. Venkat Reedy	Experimental design data for the biosynthesis of citric acid using Central Composite Design method	Data in brief journal Accepted

* Name of the Faculty of the Department to be emboldened

B. Presentations in Conference / Symposia etc.,

i) International Presentations

S. No.	Authors (*)	Title of the Paper	Oral / Poster	Event Details (Event, Place, Dates)
1	Ranganayakulu, **G. Uday Bhaskar Babu**	Control Performance Enhancement Using Fractional $PI^{\lambda}D^{\mu}$Controller for First Order Time Delay Systems	Oral	First IEEE International conference on Power Electronics, Intelligent Control and Energy Systems Delhi Technological University, New Delhi 4-6 July 2016
2	Ranganayakulu, **G. Uday Bhaskar Babu**, A. Seshagiri Rao, Dipesh Shikchand Patle	A comparative study of fractional order $PI^{\lambda}/PI^{\lambda}D^{\mu}$ tuning rules for stable first order plus time delay processes	Oral	International Conference on Separation Technologies in Chemical, Biochemical, Petroleum and Environmental Engineering VIT university, Vellore 20^{th}& 21^{st} October 2016
3	Ranganayakulu, **G. Uday Bhaskar Babu**, A. Seshagiri Rao	Simple $PI^{\lambda}D^{\mu}$ controller tuning rules for improved closed loop performance of First Order Plus Time Delay processes	Oral	Second International Conference on Intelligent and Efficient Electrical Systems PSG College of Technology, Coimbatore 20-21 January 2017
4	Anantharaman Anjana P, Hari Prasad Dasari, DasariHarshini, **Gara Uday Bhaskar Babu**	Synthesis and Characterisation of single metal oxide catalysts by EDTA Citrate method and its soot oxidation	Oral	Asia-Pacific Congress on Catalysis Mumbai, India 17th January' 2017 to 21st January' 2017
5	Abdulla Sheikh, **P. V. Suresh**	Performance analysis of PEM Fuel cell with Enhanced Cross-flow Split Serpentine Flow Field	Poster	*5th* International Hydrogen and Fuel Cell Conference (IHFC - 2016) Hyderabad 11-13 Dec 2016
6	Abdulla Sheikh, **P. V. Suresh**	Superiority of Enhanced Cross-Flow Split Serpentine Flow Field Design over Triple Serpentine Flow Field Design in PEM Fuel Cell	Oral	*International Conference on Membrane Technology and its Applications (MemSep-2017)* National Institute of Technology, Tiruchirappalli February 21 - 23, 2017
7	Liyakhath Ahmed Shaik, Sunil Kumar Thamida	Novel optimization technique to determine polarization characteristics of a corroding metal	oral	*iSEAST-11* Chennai Dec. 8-10, 2016.
8	Purushottama Rao Dasari, Raviteja K., **A. Seshagiri Rao** and Ramon Vilanova	Optimal H2 - IMC based simple PID tuning rules for unstable time delay processes	oral	*Indian Control Conference, IIT Guwahati* January 4-6, 2017
9	Purushottama Rao Dasari, Raviteja K and **A. Seshagiri Rao**	Optimal H2 - IMC based PID controller design for multivariable unstable processes,	oral	*IFAC Conference on Advances in Control & Optimization of Dynamical Systems NIT Tiruchirappalli, India* February 1 – 5, 2016
10	D. Yogendrasasidhar, **Y. PydiSetty**	An Experimental Investigation on Pearl Millet with Wall Heated Fluidized Bed dryer	Oral	Powder and Bulk Solids India 2016 Conference Mumbai October 13-15, 2016
11	D. Yogendrasasidhar, G. Srininivas, **Y. PydiSetty**	Experimental Investigation on drying Charactderistics of Geldart group B and group D particles in a Fluidized Bed Dryer	Oral	Proceedings of International conference PGBSIA 2016 Jaipur December 1-3, 2016
12	G. Srininivas, **Y. PydiSetty**	Dynamic Drying characteristics for Uniform and Binary Solid Mixtures in a Continuous wall heated Fluidized Bed dryer	Oral	Proceedings of International conference PGBSIA 2016 Jaipur December 1-3, 2016
13	M. Vamshi Krishna, G. Srininivas, **Y. PydiSetty**	Drying of Coriander Seeds in a wall Heated Fluidizwed Bed dryer	Poster	Proceedings of International conference PGBSIA 2016 Jaipur December 1-3, 2016
14	A. Divya, **Y. PydiSetty**	Study on performance of Microbial fuel cell with different substrates	Oral	International conference on Hydrogen and Fuel Cell Hyderabad December 12-14, 2016
15	D. Kishore, **K. Anand Kishore** and RC Panda	Nonlinear system identification and control for Wiener processes using relay feedback	Oral	International conference on Frontiers in Optimization: Theory and Applications, jointly organized by ORSI & HIT, Kolkata Nov 24-26, 2016
16	D. Kishore, **K. Anand Kishore** and RC Panda	An improved identification of low-order processes using relay feedback approach	Oral	9^{th} international conference on trends in industrial measurements and automation MIT, Chennai 6-8, Jan. 2017

* Name of the Faculty of the Department to be emboldened

ii) National Presentations

S. No.	Authors (*)	Title of the Paper	Oral / Poster	Event Details (Event, Place, Dates)
1	D. Kishore and **K. Anand Kishore**	Identification and control of non-linear systems using relay feedback approach	Oral	National conference on applied nonlinear dynamics jointly organized by NITW & IIG, Navi Mumbai 21-22 Dec, 2016
2	D. Kishore, **K. Anand Kishore** and RC Panda	Stability analysis of SOPTD system with numerator dynamics using relay feedback approach	Oral	proceedings of Indian Chemical Engineering Congress (CHEMCON-16) Anna university, Chennai December 27-30, 2016
3	D. Kishore and **K. Anand Kishore**	Identification of unstable systems using relay feedback approach	Oral	Research Conclave'17 NIT Warangal 18-19 March, 2017
4	D. Naresh Yadav and **K. Anand Kishore**	Effect of catalyst loading on degradation of methylene blue dye in photo-catalysis	Oral	Research Conclave'17 NIT Warangal 18-19 March, 2017
5	D. Kishore and **K. Anand Kishore**	Identification of MIMO systems using relay feedback approach	Oral	Research Conclave'17 NIT Warangal 18-19 March, 2017
6	B. Anil Kumar Naik**, A. Venu Vinod**	Rheological behaviour and Thermal conductivity of Al2O3 - CuO in CMC based hybrid nanofluid	oral	69th Annual Session of Indian Institute of Chemical Engineers, CHEMCON 2016, 27-30 December 2016, Anna University, Chennai, India. 2016
7	P Thirumala Bai, V Manokaran, **S Srinath** And P.S Sai Prasad	Catalytic Evaluation Of Oxidative Dehydrogenation Of Ethane By Effect Of Chromium On Sulphated Silica Catalyst	Oral	69th Annual Session of Indian Institute of Chemical Engineers, CHEMCON 2016, 27-30 December 2016, Anna University, Chennai, India. December, 2016
8	SushmithaDevadasu, **SurananiSrinath** and **SonawaneShirish**	Ultrasound assisted pre-treatment for efficient delignification of sawdust using sodium percarbonate.	Oral	69th Annual Session of Indian Institute of Chemical Engineers, CHEMCON 2016, 27-30 December 2016, Anna University, Chennai, India. December, 2016
9	SushmithaDevadasu, **SurananiSrinath** and **SonawaneShirish**	Processes Intensification Of Lignocellulosic Biomass To Ethanol Present And Emerging Trends	Poster	69th Annual Session of Indian Institute of Chemical Engineers, CHEMCON 2016, 27-30 December 2016, Anna University, Chennai, India. December, 2016

* 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	Fathimabi Shaik, **R.B.V. Subramanyam**, **DVLN Somayajulu**,	MSP: Multiple Sub-graph Query Processing using Structure Based Graph Partitioning Strategy and MapReduce	Information and computer science journal, Elsevier, DOI information: 10.1016/ j.jksuci.2016.11.007, Scopus journal
2	Ramesh Karnati and **R.B.V Subramanyam**	Efficiently Maintaining and Discovering Sequential Patterns with Sequence Deletion using Discovered Sequences	International Journal of Applied Engineering Research, vol. 11, no. 1, (2016), pp. 685-691. – Scopus journal
3	Srilatha Chebrolu and **Sriram G. Sanjeevi**	Attribute reduction on real-valued data in rough set theory using hybrid artificial bee colony: extended FTSBPSD algorithm	Soft Computing, Springer (SCI) August, 2016
4	Raaghave Sood and **P. Venkata Subba Reddy**	Radio Number of 1,2 - Cartesian Product of Paths	Journal of Combinatorics, Information & System Sciences, 41(4), 31-38, 2016.
5	**Rashmi Ranjan Rout**, Sai Krishna M and Shalinee Gupta	Markov Decision Process Based Switching Algorithm for Sustainable Rechargeable Wireless Sensor Networks	*IEEE Sensors Journal,* Vol.16, No. 8, page 2788-2797, 2016.

* 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.Anil and **R.Padmavathy**	A Reversible Data Hiding Using Difference-Histogram Modification On Multi-Directional In TwoDimensional Histogram	Oral	International conference on NCCS 2016, 25-26 Dec, 2016, Ranchi, India (Proceedings in Springer)
2.	Gireesh Joshi , **R. Padmavathy** , Anil Pinapati , Mani Bhushan Kumar	Browserguard2: A Solution For Drive-By-Download Attacks	Oral	International conference on NCCS 2016, 25-26 Dec, 2016 (Proceedings in Springer)
3.	**Raju Bhukya**, B.Vamsi Viswanath, Y.Mahendra Kumar and D.Swathi Kiran Kumar	DNA Sequence Compression Using Bitmap Matrix And Wavelet Transformation	SCESM 2017	27th - 28th , January 2017 at Jain Engineering College, Belgaum (Near Goa), India.
4.	**Raju Bhukya** and Sumit Deshmukh	Referential DNA Data Compression using Hadoop MapReduce Framework	SCESM 2017	27th - 28th , January 2017 at Jain Engineering College, Belgaum (Near Goa), India
5.	**Raju Bhukya**, Prasanth B, V. Sasank Vihari and Ajay Y	Detection of Acute Lymphoblastic Leukemia using Microscopic Images of Blood	SCESM 2017	27th - 28th , January 2017 at Jain Engineering College, Belgaum (Near Goa), India
6.	**Raju Bhukya**	Genome Compression using Reference Genome Sequence	SCESM 2017	27th - 28th , January 2017 at Jain Engineering College, Belgaum (Near Goa), India
7.	**Raju Bhukya**	Extended Perfect And Imperfect Repeats Finder Using Molecular Dna Sequences	Journal of Theoretical and Applied Information Technology 91 (2), 298	
8.	**U.S.N.Raju**, B. Chaitanya, K. Pavan Kumar, P. Nishanth Krishna, Prashant Mishra	Video Copy Detection in Distributed Environment	Oral	IEEE International Conference on Multimedia Big Data, BigMM2016, 20th -22nd April, 2016, Taipei, Taiwan
9.	Rohit Kumar Tiwari and **P. Venkata Subba Reddy**	A Note on 2-Secure Domination in Graphs	Oral	International Conference on Discrete Mathematics, June 9-11, 2016, Tumkur, India
10.	Devendra Lad, **P.Venkata Subba Reddy** and J. Pavan Kumar	Complexity Issues of Variants of Secure Domination in Graphs	Oral	International Conference on Current Trends in Graph Theory and Computation, September 17-19, 2016, New Delhi, India.

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ii) National Presentations

S. No.	Authors (*)	Title of the Paper	Oral / Poster	Event Details (Event, Place, Dates)
1.	**P. Venkata Subba Reddy** and K. Viswanathan Iyer	Bounding r-conditional Chromatic Number of Graphs	Oral	31st Annual Conference of the Ramanujan Mathematical Society (RMS), June 18-21, 2016, Trichy.

* 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.	Mindi Ramakrishna, **Narasimhulu Korrapati**	Studies on Bioaccumulation of Cr(VI) in Phaseolus mungo with titanium industrial waste	Int. Journal of Scientific Research in Science, Engg and Technology (IJSRSET) 2017,Vol. 3, issue 2, pp 233-237.
2.	Chandana N, K Divya Sai Laxmi, P. Hari Prasad Reddy, and **K. Narasimhulu**	Studies on Bioremediation of Lead by Lead-resistant Microorganisms	Journal of Applied&Environmental Microbiology,2016,vol.4,no.5 pp:88-92.
3.	**Narasimhulu Korrapati,** M.Geethika, V.Himaja, G.V.S.S.Sri Lasya, Narasimha Reddy	A comprehensive Review on Biosorption and Bacterial Biosorbents for Heavy metal removal from wastewater	IJBAF, February, 2017, 5(2): 03-13.
4.	Manasa P, Paramjeet Saroj, Nisha Gaur, **Narasimhulu Korrapati**	A Brief Review on Technologies for the production of Bioethanol from lignocellulosic biomass	International Journal of Advanced Research in Engineering Technology & Science, 2017, Vol-4, Issue-5, pp 6-15.
5.	Manasa P, Paramjeet Saroj, **Narasimhulu Korrapati**	Studies on Bio-ethanol production from orange peels using Bacillus subtilis"	International Journal of Science and Research (IJSR), 2017, Volume 6 Issue 5,pp 845-849.
6.	Santhosh Kacham, Birru Bhaskar, **Sreenivasa Rao Parcha**, Rama Raju Baadhe	Limbal stem cell deficiency: Focus on limbal stem cell labeling and tracking	Turkish Journal of Biology.2016
7.	**Parcha Sreenivasa Rao**, P.Lakshmi, M.Lakshmi Narasu	Optimization Of Culture Conditions For Enhanced Production Of Antimalarial Artemisinin By *Streptomyces* Sp. Using Response Surface Methodology	Octa Journal of Biosciences, 2016
8.	Ushakiranmayi Managamuri, Muvva Vijayalakshmi, V.S Rama Krishna Ganduri , **Satish Babu R** and Sudhakar Poda	Optimization of Process Parameters for Bioactive Metabolite Production by Nocardiopsis trehalosi VSM-13 Using Response Surface Methodology and Unstructured Kinetic Modelling	Current Trends in Biotechnology and Pharmacy Vol. 11 (2) 225-243 April 2017
9.	Ushakiranmayi Managamuri, Muvva Vijayalakshmi, Sudhakar Poda, V. S. Rama Krishna Ganduri, **R. Satish Babu**	Optimization of culture conditions by response surface methodology and unstructured kinetic modeling for bioactive metabolite production by Nocardiopsis litoralis VSM-8	3 Biotech (2016) 6:219
10.	Ushakiranmayi Managamuri, M. Vijayalakshmi , V. S. Rama Krishna Ganduri, **R.Satish Babu** , Sudhakar Poda	"Optimization of culture conditions by Response Surface Methodology and Unstructured kinetic modeling for L-Asparaginase production by Pseudonocardia endophytica VUK-10.	Journal of Applied Pharmaceutical Science Vol. 7 (01), pp. 042-050, January, 2017
11.	VS Rama Krishna Ganduri, Usha Kiranmayi Mangamuri, **R. Satish Babu**, KRS Sambasiva Rao, Vijaya Lakshmi M , Sudhakar Poda	. "Response surface optimization of fermentation parameters for pullulan elaboration from jaggery by Aureobasidium pullulans MTCC 2195.	Journal of Chemical and Pharmaceutical Sciences Volume 10 Issue 1,2017
12.	M Bhatia, **R Satish Babu,** SH Sonawane, PR Gogate, A Girdhar, ER Reddy, M Pola	. "Application of nanoadsorbents for removal of lead from water	International Journal of Environmental Science and Technology: 1-20.2017
13.	Ushakiranmayi Managamuri, Muvva Vijayalakshmi, V.S Rama Krishna Ganduri, **Satish Babu R** and Sudhakar Poda	Optimization of Process Parameters for Bioactive Metabolite Production by Nocardiopsis trehalosi VSM-13 Using Response Surface Methodology and Unstructured Kinetic Modelling	Current Trends in Biotechnology and Pharmacy Vol. 11 (2) 225-243 April 2017
14.	VSPK Sankara Aditya Jayanthi, **Asim Bikas Das**, Urmila Saxena	Recent advances in biosensor development for the detection of cancer biomarkers	Biosensors and Bioelectronics, 2017**,** 91, 15-23.
15.	Rahul Rao Padala, Rishabh Karnawat, Satish Bharathwaj Viswanathan, Abhishek Vijay Thakkar and **Asim Bikas Das* (*corresponding author)**	Cancerous perturbations within the ERK, PI3K/Akt,and Wnt/b-catenin signaling networkconstitutively activate inter-pathway positive feedback loops. **(Selected as theme article 2017 and featured in journal cover page)**	Molecular BioSystems, 2017, 13, 830 - 840.
16. .	**Divakar K,** Suryia PM, Nandhini DG & Gautam P	Kinetic Characterisation and Fed-Batch Fermentation for Maximal Simultaneous Production of Esterase and Protease from Lysinibacillus fusiformis AU01	*Preparative Biochemistry and Biotechnology, 2017, Vol.47, 323-332*

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ii) Peer – Reviewed National Journal Publications

S. No.	Authors (*)	Title of the Paper	Journal Details (Journal, Year, Vol., pp)
1	Aseem Ali Palliparambil, Srilatha Bethireddy, P Hariprasad Reddy, **Satish Babu Rajulapati**	"Removal of Nickel by Adsorption from Aqueous Solution by Cellulose Acetate-Zero Valent Iron Nanoparticle Mixed Matrix Membrane	*Indian Journal of Science and Technology* 9.41 (2016).
2	Erva Rajeswara Reddy , **Rajulapati Satish Babu**, Potla durthi Chandrasai, Pola Madhuri	Neural Network Modeling and Genetic Algorithm Optimization strategy for the production of Lasparaginase from Novel *Enterobacter sp.*	J. Pharm. Sci. & Res. Vol. 9(2), 2017, 124-130

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iii) Books/Book chapters/Monographs

S. No.	Authors (*)	Title of the Book Chapter	Book/chapter details (Book, Publisher, Year, Vol., pp)
1	Mekala, N. K., **Baadhe, Rama Raju.**, & **Parcha, S. R**.	Sponge Biomass for the Development of Biomedical Products and Their Applications.	*Marine Sponges: Chemicobiological and Biomedical Applications* ***Springer India.*** 2016 (pp. 341-347).
2	Vellanki, R. N., **Baadhe, Rama Raju**., & Potumarthi, R.	Streptokinase Production in Yeast Systems.	Fungal Metabolites, ***Springer International Publishing Switzerland*** 2017, 811-819.

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B. Presentations in Conference / Symposia etc.,

i) International Presentations

S. No.	Authors (*)	Title of the Paper	Oral / Poster	Event Details (Event, Place, Dates)
1.	Santhosh Kacham, **Sreenivasa Rao Parcha**	Labelling of the limbal stem cells to track after the transplantation	Oral	Research advances in biotechnology, 20-21 October, 2016 Srinidhi Institute of Science and Technology, Hyderabad
2.	**R.Satish Babu**, Chandra sai.P, Shirish Sonawane, K.Ananda Kishore	Experimental Studies on Removal of Arsenic and Fluoride from Aqueous Solution using Cellulose Acetate - Zinc Oxide Nanoparticle Mixed Matrix Membrane	Poster	3rd International Conference on Desalination using Membrane Technology 2017,2 - 5 April 2017, Palacio de Congresos de Canarias, Las Palmas, Gran Canaria, Spain
3.	**Asim Bikas Das***	Complexity in Wnt Signaling Pathway.	Oral	Whole-Cell Modeling Course, at Centre for Genomic Regulation, Barcelona, Spain, (3rd -8th April, 2016)

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ii) National Presentations

S. No.	Authors (*)	Title of the Paper	Oral / Poster	Event Details (Event, Place, Dates)
1.	Asim Bikas Das*	Complexity in Wnt Signaling Pathway.	Oral	Whole-Cell Modeling Course, at Centre for Genomic Regulation, Barcelona, Spain, (3rd -8th April, 2016)
2.	**K.Divakar** & Sowjanya B	Unravelling antibiotic resistant genes from metagenome library of anaerobic microbiome: A Functional Metagenomic Approach	Oral	UK-INDIA Workshop on Tackling the Emergence of Antimicrobial Resistance, 7-10th Nov 2016 IMTECH Chandigarh
3.	**K.Divakar** & Sowjanya B	A functional metagenomic approach for isolation and insilico characterisation of novel oxygen-insensitive nitroreductase	Poster	International Conference on Trends in Biotechnology BRSI-2016 8-10 Dec 2016 VIT, Vellore
4.	**K.Divakar**	Metagenome derived nitroreductases for degradation of nitro compounds	Poster	DST-INSPIRE faculty interaction-cum-monitoring-meet, SSN Engineering College, Chennai, 22-23 Jan 2017
5.	Sowjanya B & **K.Divakar**	Metagenomic bioprospecting of novel nitroreductase for degradation of nitro aromatic compounds	Oral	International Conference on Advances in Biotechnology and Biotherapeutics, 8-10 Mar 2017, Satyabama University Chennai

* 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.Ravikiran, Santosh Nallapu and **G.Radhakrishnamacharya**	Effect of Peristalsis on Dispersion in a Chemically Reactive Jeffrey Fluid Flow With Wall Properties	International Journal of Pure and Applied Mathematics Vol.113, No.12, pp38-46,2017
2	Santosh Nallapu and **G.Radhakrishnamacharya**	Effect of Slip in a Two-Fluid Model of Couple Stress Fluid Flow Through a porous Medium in a Narrow Channel	International Journal of Pure and Applied Mathematics, Vol.113, No.11, pp55-64,2017
3	Santosh Nallapu , **G.Radhakrishnamacharya** and G.Ravikiran	Effects of Magnetic Field and Slip on a Two-Fluid Model for Couple Stress Fluid Flow Through a Porous Medium	International Journal of Pure and Applied Mathematics, Vol.113, No.11, pp65-74,2017
4	**YN Reddy,** BSL Soujanya and K Phanendra	Computational Method for Singularly Perturbed Delay Differential Equations with Layer or Oscillatory Behaviour	Applied Mathematics and Information Sciences, 10 (2), pp. 1-10, 2016
5	**K.N.S.Kasi Viswanadham** & S V Kiranmayi Ch.	Numerical Solution of fourth order boundary value problems by Petrov-Galerkin method with cubic B-splines as basis functions and quartic B-splines as weight functions	International Journal of Applied Mathematics and Statistical Sciences Vol.6(1), December, 2016,pp.65-80
6	**K.N.S.Kasi Viswanadham** & S V Kiranmayi Ch.	Numerical Solution of fifth order boundary value problems by Petrov-Galerkin method with quartic B-splines as basis functions and quintic B-splines as weight functions	International Journal of Computer Applications Vol.161, No.10, March, 2017, pp.19-26
7	G. Nagaraju, J. Srinivas, **J.V. Ramana Murthy**, and A.M. Rashad	Magnetic field effect on fluid flow characteristics in a pipe for laminar flow	Heat Transfer—Asian Research, 46 (4), 2017
8	J. Srinivas and **J. V. Ramana Murthy**	Second Law Analysis of the Flow of Two Immiscible Micropolar Fluids between Two Porous Beds	Journal of Engin-eering Thermo-physics, 2016, Vol. 25, No.1, pp.126–142.
9	J. Srinivas, **J. V. Ramana Murthy** and O. Anwar Bég	Entropy generation analysis of radiative heat transfer effects on channel flow of two immiscible couple stress fluids	J Braz. Soc. Mech. Sci. Eng. DOI:10.1007/s40430-017-0752-6
10	J. Srinivas , **J. V. Ramana Murthy**	Thermal analysis of a flow of immiscible couple stress fluids in a channel	Journal of Applied Mechanics and Technical Physics, 2016, Vol. 57, No. 6, pp. 997–1005
11	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.
12	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	J. of Engineering Physics and Thermophysics, 2016, Vol 89, No.2, pp 428 – 434
13	J.Srinivas**, JVR Murthy** and Ali J Chamkha;	Analysis of entropy generation in an inclined channel flow containing two immiscible micropolar fluids using HAM	International Journal of Numerical Methods for Heat and Fluid Flow 26(3/4):1027-1049· May 2016 DOI: 10. 1108/ HFF-09-2015-0354
14	P. Aparna, **J.V. Ramana Murthy**, G. Nagaraju	Couple on a rotating permeable sphere in a couple stress fluid	Ain Shams Enginee -ring Journal (2016) May
15	**D Dutta** and G Nithish Kumar	A fuzzy fixed charge solid transportation problem with rough interval approach and sensitivity analysis	Journal of Mathematics, Statistics and Operations Research, Vol 3(2), 2016
16	**D Dutta** and G Nithish Kumar	A fuzzy fixed charge solid transportation problem with rough interval approach	Global Science and Technology Forum, 2016 DOI: 10.5176/2251-1938_ORS16.20
17	Krishna Prasad, K., Gurupreet Kaur, **Srinivasacharya, D**.	Slow steady rotation of an approximate sphere in an approximate spherical container with slip surfaces,	**Int. J. Appl. Comput. Math,** Vol. 3, pp 987–999, 2017
18	**Srinivasacharya, D.** and Shafeeurrahman, Md.	Mixed convection flow of nanofluid in a vertical channel with hall and ion-slip effects,	**Frontiers in Heat and Mass Transfer** , Vol. 8, 11, 2017,
19	**Srinivasacharya, D.** and Madhava Rao,G.	Micropolar fluid flow through a stenosed bifurcated artery,	**Nonlinear Analysis: Modelling and Control,** Vol. 22, No. 2, 147–159, 2017
20	**Srinivasacharya, D.** and Vijay Kumar P	Mixed Convection Over An Inclined Wavy Surface Embedded in A Thermally Stratified Porous Medium Saturated with A Nanofluid,	**International Journal of Nonlinear Science**, Vol.22(3), pp.153-166, 2016
21	Kaladhar, K., and **Srinivasacharya D**.	Mixed convection flow of couple stress fluid between rotating discs with chemical reaction and double diffusion effects,	**Nonlinear Engineering Modeling and Application,** Vol. 5(4), pp 245–254, 2016

22	Kaladhar K., RamReddy Ch**.,** **Srinivasacharya D**. and Pradeepa, T.,	Analytical study for Soret, Hall, and Joule heating effects on natural convection flow saturated porous medium in a vertical channel,	**Mathematical Sciences**, Vol. 10, pp. 139–148, 2016
23	**Srinivasacharya D.** and Shafeeurrahman, Md.,	Hall and Ion-Slip Effects on Natural Convection Flow in a Vertical Channel Filled with Nanofluid,	**J. Nanofluids,** Vol. 5, pp. 982–992, 2016
24	**Srinivasacharya D,** and Madhava Rao,G.,	Magnetic Field Effects for Copper Suspended Nanofluid Venture Through a Bifurcated Artery,	**J. Nanofluids,** Vol. 5, pp. 774-782, 2016.
25	**Srinivasacharya D,** and Madhava Rao G	Computational analysis of magnetic effects on pulsatile flow of couple stress fluid through a bifurcated artery,	**Computer methods and Programs in Biomedicine,** Vol. 137, pp. 269-279, 2016.
26	**Srinivasacharya, D**, Vijay Kumar P**.** and Sibanda P.,	Numerical solution to natural convection over an inclined wavy surface embedded in a porous medium saturated with a nanofluid,	**Meccanica,** Vol. 51, pp. 1723–1737, 2016
27	**Srinivasacharya D.** and Himabindu, K.,	Entropy Generation in a Micropolar Fluid Flow Through an Inclined Channel,	**Alexandria Engineering Journal,** Vol. 55, pp. 973–982, 2016
28	**Srinivasacharya D,** B. Mallikarjuna, R. Bhuvanavijaya	Effects of Thermophoresis and Variable Properties on Mixed Convection along a Vertical Wavy Surface in a Fluid Saturated Porous Medium,	**Alexandria Engineering Journal,** Vol. 55, pp. 1243–1253, 2016
29	**Srinivasacharya D**. and Madhava Rao,G.,	Mathematical model for blood flow through a bifurcated artery using couple stress fluid,	**Mathematical Biosciences,** Vol. 278, pp. 37–47, 2016
30	**Srinivasacharya D.** and Himabindu K.	Entropy Generation in a Porous Annulus due to Micropolar Fluid flow with Slip and Convective Boundary Conditions,	**Energy,** Vol. 111, pp. 165 – 177, 2016.
31	K. Kaladhar, S.S. Motsa, **Srinivasacharya D.**	Mixed convection flow of couple stress fluid in a vertical channel with Radiation and Soret effects,	**Journal of Applied Fluid Mechanics,** Vol. 9, No. 1, pp. 43-50, 2016.
32	**Srinivasacharya D.** and Madhava Rao G	Magnetic effects on pulsatile flow of micropolar fluid through a bifurcated artery,	**World Journal of Modelling Simulation,** Vol. 12,No. 2, pp. 147-160, 2016
33	**Ram Reddy Ch.**, Kaladhar K., **Srinivasacharya, D,** and Pradeepa, T.	Influence of Soret, Hall and Joule heating effects on mixed convection flow saturated porous medium in a vertical channel by Adomian Decomposition Method,	**Open Eng.**, Vo;. 6, pp. 10–21, 2016.
34	**Srinivasacharya D.** and Himabindu K	An Analysis of Entropy Generation in a Micropolar Fluid Flow Through an Inclined Circular Pipe,	**Adv. Sci. Eng. Med.** Vol. 8, pp.157-164, 2016.
35	**Srinivasacharya, D**. and Vijay Kumar P.	Mixed convection along an inclined wavy surface in a nanofluid saturated porous medium with wall heat flux,	**J of Nanofluids,** Vol. 5, pp. 120–129, 2016
36	**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
37	**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
38	**P. Muthu** M.Varunkumar	Flow in a channel with an overlapping constriction and permeability	International Journal of Fluid Mechanics Research 2016, 43, p:141-160
39	Venkatrajam Marka, **R. S. Selvaraj**	Decomposable Codes in $Mat_{m\times s}(\mathbb{F}_q)$ with Rosenbloom-Tsfasman Metric	International Journal of Pure and Applied Mathematics, 113(13), pp. 208-216, 2017 [Scopus]
40	Venkatrajam Marka, **R. S. Selvaraj**, Irrinki Gnanasudha	Self-dual Codes in the Rosenbloom-Tsfasman Metric	Mathematical Communication, 21(2017), pp. 75-87, 2017 [SCI-E]
41	G. Janardhana Reddy, Hussain Basha, **H.P. Rani**	Transient free convective Jeffrey fluid flow past a vertical cylinder	Accepted in Journal of Perspectives in Science.
42	G Janardhana Reddy, Hussain Basha, **H.P. Rani**	Numerical study of transient free convective heat transfer over a vertical flat plate in supercritical fluids	Accepted in Journal of Perspectives in Science.
43	**D. Bhargavi** and J. Sharath Kumar Reddy	Analytical Investigation of Laminar Forced Convection In a Channel Filled with Porous Material Subjected to Constant Wall Heat Flux.	Journal of Special Topics and Porous Media, volume 8, 2017.

44	J. Sharath Kumar Reddy and **D. Bhargavi**	Couette Flow and Heat Transfer in a Channel Partially Filled with Porous Material: Constant Wall Heat Flux	International Journal of Pure and Applied Mathematics , volume 113, issue no.9, pp. 148-156, 2017
45	K. Appi Reddy**, T. Kurmayya** and K.C. Sivakumar	Group inverse extensions of certain M-matrix properties	**Electronic Journal of Linear Algebra**, **31**, 686-705, Nov. 2016.
46	K. Appireddy and **T. Kurmayya**	{T,S} Splittings of Rectangular Matrices Revisited	International Journal of Pure and Applied Mathematics **, Vol. 108(4), 909-919. (Scopus indexed, Impact factor:** 0.63)
47	**Ch.Ram Reddy,** T. Pradeepa	Micropolar Fluid Flow over a Truncated Cone Embedded in non-Darcy Porous Medium with Soret and Viscous Dissipation Effects using Spectral Quasilinearization Method	Accepted in Special Topics & Reviews in Porous Media (Indexed in Scopus)
48	**Ch.Ram Reddy**, Ch.Venkata Rao	Double dispersion effects on non-Darcy free convection flow of a nanofluid over vertical frustum of a cone with convective boundary condition	Accepted in Nonlinear Engineering: Modeling and Applications, 2017. (Indexed in Scopus),
49	**Ch.Ram Reddy**, Ch.Venkata Rao	Effects of Arrhenius activation energy and binary chemical reaction on convection flow of a nanofluid over frustum of a cone with convective boundary condition	International Journal of Chemical Rector Engineering, 2017. DOI: https://doi.org/10.1515/ijcre-2016-0188 (Indexed in SCI, Scopus)
50	**Ch.Ram Reddy**, P. Naveen, **D.Srinivasacharya**	Quadratic Convection Flow of a Micropolar Fluid along an Inclined Plate in a Non-Darcy Porous Medium with Convective Boundary Condition	Nonlinear Engineering: Modeling and Applications, 2017. DOI 10.1515/nleng-2016-0073 (Indexed in Scopus)
51	**Ch.Ram Reddy**, Ch.Venkata Rao	Double stratification effects on mixed convection boundary layer flow of a nanofluid over vertical frustum of a cone: A Darcy-Forchheimer model	Journal of Nanofluids, 2017, 6(5), pp. 971-981(11). Indexed in Emerging Sources Citation Index (ESCI) Web of Science (Thomson Reuters)
52	B. Vasu, **Ch. Ram Reddy**, P.V.S.N. Murthy, R.S.R. Gorla	Entropy Generation Analysis in Nonlinear Convection Flow of Thermally Stratified Fluid in Saturated Porous Medium with Convective Boundary Condition	ASME Transactions of Journal of Heat Transfer. SEPTEMBER 2017, Vol. 139 / 091701-1 (Indexed in SCI, Scopus).
53	**Ch.Ram Reddy,** T. Pradeepa	Non-Similarity Solutions for Viscous Dissipation and Soret Effects in Micropolar Fluid over a Truncated Cone with Convective Boundary Condition: Spectral Quasilinearization Approach	*International Journal of Nonlinear Sciences and Numerical Simulation, 2017*. DOI: https://doi.org/10.1515/ijnsns-2016-0045 (Indexed in SCIE, Scopus, Mathematical Reviews (MathSciNet)).
54	**Ch.Ram Reddy,** T. Pradeepa	Influence of Homogeneous-Heterogeneous Reactions on Nonlinear Convection in Micropolar Fluid under Convective Boundary Condition	Accepted in *Proceedings of the National Academy of Sciences, India Section A: Physical Sciences,* 2017 (Indexed in SCIE, Scopus, Mathematical Reviews).
55	**Ch.Ram Reddy**, Ch.Venkata Rao	Bivariate pseudo-spectral local linearisation method for Soret effect on mixed convection flow of Buongiorno nanofuid model over a vertical frustum of a cone	*International Journal of Pure and Applied Mathematics*. 113(8), 73-81, 2017 (Indexed in Scopus).
56	**Ch.Ram Reddy**, **D.Srinivasacharya,** P. Naveen	Cross-Diffusion Effects On Nonlinear Convective Flow Of Micropolar Fluid Under Convective Boundary Condition : A Darcy-Forchheimer's Model	*International Journal of Pure and Applied Mathematics*. 113(8), 46-54, 2017 (Indexed in Scopus).
57	**Ch.Ram Reddy**, Ch.Venkata Rao	Non-similarity solutions for natural convective flow of a nanofluid over vertical frustum of a cone embedded in a doubly stratified non-Darcy porous medium	*International Journal of Applied and Computational Mathematics*, 2017. DOI 10.1007/s40819-017-0343-3. (Indexed in Mathematical Reviews)
58	**Ch.Ram Reddy,** T. Pradeepa	Influence of Convective Boundary Condition on Nonlinear Thermal Convection Flow of a Micropolar Fluid Saturated Porous Medium with Homogeneous-Heterogeneous Reactions	Frontiers in Heat and Mass Transfer (FHMT), 8, 6 (2017) (Indexed in Scopus)
59	**Ch.Ram Reddy**, Ch.Venkata Rao	Bivariate Pseudo-Spectral Local Linearisation Approach for the Soret and Viscous Dissipation Effects on Natural Convective Flow of Buongiorno Nanofluid Model Over Vertical Frustum of a Cone	*Journal of Nanofluids*. 6, 530–540 (2017). Indexed in Emerging Sources Citation Index (ESCI) Web of Science (Thomson Reuters).
60	**Ch. Ram Reddy,** P.V.S.N. Murthy, A.M.Rashad and A.J. Chamkha	Soret effect on stagnation point flow past a stretching/shrinking sheet in a nanofluid saturated non-Darcy porous medium	*Special Topics & Reviews in Porous Media — An International Journal.* 7(3), 229-243, 2016 (Indexed in Scopus)
61	**Ch. Ram Reddy**, T. Pradeepa	Spectral Quasi-linearisation Method for Nonlinear Convection Flow of a Micropolar Fluid under Convective Boundary Condition	Nonlinear Engineering – Modeling and Application (NLENG) (Indexed in Scopus) DOI: 10.1515/nleng-2016-0025, September 2016

62	**Ch. Ram Reddy**, P. Murali Krishna	Effects of first and second order velocity slips on melting stretching surface in a thermally stratified nanofluid: Tiwari and Das' model	*Journal of Nanofluids*, 6 (2017) 155-163. Indexed in Emerging Sources Citation Index (ESCI) Web of Science (Thomson Reuters).
63	K. Kaladhar, **Ch.Ram Reddy**, **D.Srinivasacharya** and T. Pradeepa	Analytical study for Soret, Hall and Joule heating effects on natural convection flow saturated porous medium in a vertical channel	*Mathematical-Sciences* journal DOI:10.1007/s40096-016-0188-7, August 2016. Indexed in Emerging Sources Citation Index and Mathematical Reviews.
64	**Ch. Ram Reddy**, T. Pradeepa	Non-Similarity Solution of Micropolar Fluid Flow over a Truncated Cone with Soret and Viscous Dissipation Effects using Spectral Quasilinearization Method	*International Journal of Applied and Computational Mathematics. DOI 10.1007/s40819-016-0227-y,* August 2016.
65	**Ch.Ram Reddy**, O. Surender, Ch. Venkata Rao	Effects of Soret, Hall and Ion-slip on mixed convection in an electrically conducting Casson fluid in a vertical channel	Nonlinear Engineering – Modeling and Application (NLENG) (Indexed in Scopus) DOI: 10.1515/nleng-2016-0016, June 2016
66	O.Surender, **Ch.Ram Reddy**	Significance of viscous dissipation on fully developed natural convection flow of a nanofluid in vertical channel with cross-diffusion effects	Advanced Science, Engineering and Medicine 8 (7), 579-588.
67	**Ch.Ram Reddy,** T. Pradeepa	Micropolar Fluid Flow over a Truncated Cone Embedded in non-Darcy Porous Medium with Soret and Viscous Dissipation Effects using Spectral Quasilinearization Method	Accepted in *Special Topics & Reviews in Porous Media* (Indexed in Scopus)

*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)
NIL			

*Name of the Faculty of the Department to be emboldened

B. Presentations in Conference / Symposia etc.,

i) International Presentations : NIL

ii) National Presentations

S. No.	Authors (*)	Title of the Paper	Oral / Poster	Event Details (Event, Place, Dates)
1	**K.N.S.Kasi Viswanadham** & S V Kiranmayi Ch.	Numerical Solution of fourth order boundary value problems by Petrov-Galerkin method with cubic B-splines as basis functions and quartic B-splines as weight functions	Oral	61st Congress of ISTAM 11-14, December, 2016 Vellore Institute of Technology, Vellore
2	J. Sharath Kumar Reddy and **D. Bhargavi**	"Numerical Study of Fluid Flow in a Channel Partially Filled with Porous Medium with Darcy Brinkman Forchheimer Equation"	Oral	Presented in ICAFD(International conference on applications of fluid dynamics), 19-21, December 2016, at ISM(IIT) Dhanbad, India.
3	**H.P. Rani** and V. Narayana	Mixed Convection of Heat Transfer in Differentially heated cubical cavity.	Oral	Two-Day National conference on Applied Nonlinear Dynamics (NCAND- 2016) under TEQIP, jointly organized by the Department of Mathematics, NIT Warangal and IIGM, Navi Mumbai during 21st-22nd December, 2016.
4	**H.P. Rani** and V. Narayana	Similarities and differences between natural convective air flow in two and three dimensional differentially heated cubical cavities	Oral	Two-Day National conference on Applied Nonlinear Dynamics (NCAND- 2016) under TEQIP, jointly organized by the Department of Mathematics, NIT Warangal and IIGM, Navi Mumbai during 21st-22nd December, 2016.

5	**H.P. Rani,** V. Naresh, R. Prasanth	Mixing and Dispersion in Fluid Flows	Oral	Two-Day National conference on Applied Nonlinear Dynamics (NCAND- 2016) under TEQIP, jointly organized by the Department of Mathematics, NIT Warangal and IIGM, Navi Mumbai during 21st-22nd December, 2016.
6	T.Divya and **H.P. Rani**	Non-fully developed flow in double elbow pipe under the FAC conditions	Oral	Two-Day National conference on Applied Nonlinear Dynamics (NCAND- 2016) under TEQIP, jointly organized by the Department of Mathematics, NIT Warangal and IIGM, Navi Mumbai during 21st-22nd December, 2016.
7	G. Janardhana Reddy, Bhaskerreddy Kethireddy, **H. P. Rani**	Heat flow visualization for unsteady micropolar fluidpast avertical slender hollow cylinder	Oral	Two-Day National conference on Applied Nonlinear Dynamics (NCAND- 2016) under TEQIP, jointly organized by the Department of Mathematics, NIT Warangal and IIGM, Navi Mumbai during 21st-22nd December, 2016.
8	P. Madasamy, T. V. Krishna Mohan, Andrews Sylvanus, E. Natarajan, **H.P. Rani** and S. Velmurugan	Hydrodynamic effects on flow accelerated corrosion at 120oC and neutral pH conditions	Oral	Two-Day National conference on Applied Nonlinear Dynamics (NCAND- 2016) under TEQIP, jointly organized by the Department of Mathematics, NIT Warangal and IIGM, Navi Mumbai during 21st-22nd December, 2016.
9	**H.P. Rani**, B.Vasu and Y. Rameshwar	Transient Bio-convection flow of a nanofluid over a vertical cylinder embedded in a non-Darcy porous medium	Oral	Two-Day National conference on Applied Nonlinear Dynamics (NCAND- 2016) under TEQIP, jointly organized by the Department of Mathematics, NIT Warangal and IIGM, Navi Mumbai during 21st-22nd December, 2016.
10	Y. Rameshwar, V.P. Anuradha, G. Sreenivas, **H.P. Rani**	Convective instability of a Binar Ferromagnetic Fluid Rotating about vertical axis	Oral	Two-Day National conference on Applied Nonlinear Dynamics (NCAND- 2016) under TEQIP, jointly organized by the Department of Mathematics, NIT Warangal and IIGM, Navi Mumbai during 21st-22nd December, 2016.
11	**HP RANI**, G. SIRANJEEVI, B SAI KRISHNA	Streeling-Punling-Samething	Oral	NATIONAL CONFERENCE On WOMEN IN HIGHER EDUCATION: PERSPECTIVES AND CHALLENGES IN DIGITAL ERA-(WHE-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	**RLN. Sai Prasad**	High-temperature ….a transducer	Optical Eng. 55(11), 116104 (2016)
2	Venkata Reddy Mamidi, Srimannarayana K, **RLN Sai Prasad**, Venkatappa Rao Tumu;	Transducer based FBG High-temperature Sensor with Enhanced Range and Stability.	*Accepted in Optical Engineering.*
3	B.Evangeline , **P.Abdul Azeem**, D.Haranath, R. Prasada Rao	Structural and optical properties of Lanthanum doped $CaZrO_3$ blue nanophosphors for white LED applications	Ceramic International (communicated)
4	**Abdul Azeem**	Synthesis, ….ZrO2 doped borosilicate bioglasses	JNCS, 447(2016)150-155
5	**Abdul Azeem**	Structural and luminescent ……nanophosphors	JALCOM

6	**K. Thangaraju**	Studies on improved …. indium tin oxide anode	*Applied Physics A, 2016*
7	**Kusum Kumari**	High performance Lithiu….electrochemical devices	*Applied Surface Science 387 (2016) 839–845*
8	P. M. Pratheeksha, E. Hari Mohan, B. Venkata Sarada, M. Ramakrishna, Kalyan Hembram,P. V. V. Srinivas, **D. Paul Joseph**, Tata Narasinga Rao and S. Anandan	Development of a novel carbon-coating strategy for producing core–shell structured carbon coated $LiFePO_4$ for an improved Li-ion battery performance	Physical Chemistry Chemical Physics (RSC Publishing), 19(1), 175-188, 2017
9	N. Aparnadevi, K. Saravana Kumar, M. Manikandan, **D. Paul Joseph**, and C. Venkateswaran	Room temperature dual ferroic behaviour of ball mill synthesized $NdFeO_3$ orthoferrite	Journal of Applied Physics, 120, 2016, 034101
10	K UmaDevi, 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
11	K.Umadevi, Sandip Bysakh, J. Arout Chelvane, S.V. Kamat, **V. Jayalakshmi**	Tailoring magnetic anisotropy in TbeFeeCo thin films by rapid thermal annealing	Journal of Alloys and Compounds 663, 430, 2016
12	Ramesh Kandimalla, **Jayalakshmi** Vallamkondu, Edwin B Corgiat, and Gill KD	Understanding the role of aluminum exposure in Alzheimer's disease development	Brain Pathology 26(2)/139-54 2016
13	Willayat Yousuf Wani, Ramesh JL Kandimalla, Deep Raj Sharma, Alka Kaushal, Anand Ruban, Aditya Sunkaria, **Jayalakshmi Vallamkondu**, Alberto Chiarugi, P Hemachandra Reddy, Kiran Dip Gill	CELL CYCLE ACTIVATION IN P21 DEPENDENT PATHWAY: AN ALTERNATIVE MECHANISM OF ORGANOPHOSPHATE INDUCED DOPAMINERGIC NEURODEGENERATION	BBA S0925- 4439(16)30130-2 2016
14	K.Umadevi, Sandip Bysakh, J. Arout Chelvane, S.V. Kamat, **V. Jayalakshmi**	Magnetic Anisotropy and Microscopy Studies in Magnetostrictive Tb-(Fe,Co) Thin Films	JAP JR17-2672R Accepted

* Name of the Faculty of the Department to be emboldened

B. Presentations in Conference / Symposia etc.,

i) International Presentations

S. No.	Authors (*)	Title of the Paper	Oral / Poster	Event Details (Event, Place, Dates)
1	Dr.K. Thangaraju, et al	A trilayered highly efficient phosphorescent organic light emitting diodes using diphenylbis(3-(pyridine-3-yl)phenyl)silane as electron transport layer"	Oral	28th International Conference on Molecular Electronics and Devices (IC ME&D 2017) Sogang University May 18-19, 2017, Seoul, Korea
2	Jayalakshmi V.; Gurumurthy Hegde; Geetha G. Nair; Krishna Prasad S.	Role of the order parameter, electric field, and geometric confinement on the dynamics of the photoinduced Nematic-Isotropic transition	Oral	SPIE (2017); doi: 10.1117/12.2272685
3	R. Veera Babu, M. Kovendhan, R. Arockiakumar, **D. Paul Joseph**	Ultra-thin 'Ag' Films as an Alternative Transparent Conducting Electrodes	Oral	2nd Int. Conf. on Materials Science & Technology, 5th to 8th June, 2016, St. Thomas College, Palai, Kottayam, Kerala, India.
4	**D. Paul Joseph**, J. W. Lin, N. Pavan Kumar, W. C. Chen, J. G. Lin	Bi^{3+} Doping Induced Suppression of Spin Flop Transition in $DyMnO_3$	Oral	4th International Conference of Asian Union of Magnetics Societies' (ICAUMS 2016), 1st to 5th Aug. 2016, Tainan, Taiwan.
5	Surya Prakasarao Ch, Slavia Deeksha D'Souza, Pratim Hazarika, Karthiselva N S, Ramesh Babu R, Arockia Kumar R, Kovendhan M and **Paul Joseph D**	Mechanical, Optical and Transport Properties of Ultra-thin Au-Ag-Au Tri-layer film on Flexible PET Substrate	Oral	4th Int. Workshop on Advanced Functional Nanomaterials-IWAN-4, 22nd– 24th March, 2017, Centre for Nanoscience & Technology, Anna Univ., Chennai.

* 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)
01	M. Kovendhan, **D. Paul Joseph**, K. Sowri Babu, A. Sendilkumar	Inverted Polymer Solar Cell using 'Ta' doped V_2O_5 Thin Film as Cathodic Buffer Layer	Poster	61st DAE Solid State Physics Symposium-2016, 26th – 30th Dec. 2016, Kalinga Institute of Industrial Technological (KIIT) University, Odisha, India.
02	R. Ramarajan, K. Thangaraju, **D. Paul Joseph**	Optimization of low cost, highly conducting ATO thin films for optoelectronic applications	Oral	Research Conclave – 18th & 19th March – 2017, Conducted by NIT-Warangal
03	N. Purushotham Reddy, M.Kovendhan, A. Sendilkumar and **D. Paul Joseph**	Phase Stabilization of Nanocrystalline "La" doped $BaSnO_3$ for Application in Dye-Sensitized Solar Cells	Poster	Research Conclave – 18th & 19th March – 2017, Conducted by NIT-Warangal
04	Surya Prakasarao Ch, Slavia Deeksha D'Souza, Pratim Hazarika, Karthiselva N S, Ramesh Babu R, Arockia Kumar R, Kovendhan M and **Paul Joseph D**	Highly Flexible and Conductive Au-Ag-Au Multilayer Transparent Ultrathin films on Flexible PET Substrate	Oral	Research Conclave – 18th & 19th March – 2017, Conducted by NIT-Warangal
05	Surya Prakasarao Ch, Slavia Deeksha D'Souza, Pratim Hazarika, Arockia Kumar R and **Paul Joseph D**	Indigenous Apparatus for Bending and Twisting Tests of Ultra-Thin Films on a Flexible Substrate (Proto Type Only)	Poster	Research Conclave – 18th & 19th March – 2017, Conducted by 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.	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.
2.	P. Vijaya Bhaskar and **A. Ramachandraiah**	Synthesis, Spectral and Molecular Modeling Studies of Coumarin Derivatives	International Journal of Current Pharmaceutical Research, 2017, 9, 127
3.	**Rajeswar Rao Vedula,** Archi Sharma, Satish Gudala, Srinivasa Rao Ambati, Santhosh Penta , Shyama Prasad Mahapatra, Someshwar Pola and Bibhudendra Acharyad	Synthesis of Heterocyclic Compounds Catalyzed by Metal/Metal Oxide-Multiwall Carbon Nanotube Nanocomposites	JOURNAL OF THE CHINESE CHEMICAL SOCIETY, 2017
4.	**Rajeswar Rao Vedula,** Sreenu Pavurala and Krishnaiah Vaarla	ONE POT SYNTHESIS OF BIS (PHENYLIMINO DIHYDRO THIAZOLYL-2HCHROMENE) DERIVATIVES	Synthetic Communications, 2017
5.	K. Yugender Goud, Gaëlle Catanante, Akhtar Hayat, Satyanarayana M, **K. Vengatajalabathy Gobi**, Jean Louis Marty	An electrochemical aptasensor based on functionalized graphene oxide assisted electrocatalytic signal amplification of methylene blue for aflatoxin B1 detection	Electrochimica Acta **2017**, 244, 96–103
6.	K. Koteshwara Reddy, M. Satyanarayana, K. Yugender Goud, **K. Vengatajalabathy Gobi**	Carbon nanotube ensembled hybrid nanocomposite electrode for direct electrochemical detection of epinephrine in pharmaceutical tablets and urine	Materials Science & Engineering C **2017**, 79, 93–99
7.	M. Satyanarayana, K. Yugender Goud, K. Koteshwara Reddy, **K. Vengatajalabathy Gobi**	Conducting Polymer-Layered Carbon Nanotube as Sensor Interface for Electrochemical Detection of Dacarbazine In-Vitro	Electrocatalysis **2017**, 8, 214-223

8.	Ajay Kumar Adepu · A. Rajini · **N. Venkatathri**	Synthesis and Characterization of Magnetically Separable Porous Titanium Silicate Nanocomposite Catalyst for Environmental Applications	Materials Today : Proceedings, 4 (2017) 19–24.
9.	Ajay Kumar Adepu · KattaVamsi, **N. Venkatathri**	Synthesis, characterization and photocatalytic degradation of Rhodamine B dye under Sun light irradiation of Porous Titanosilicate (TS)/Bismuth vanadate (BiVO4) nanocomposite hybrid catalyst	New Journal of Chemistry, 41 (2017) 2498 - 2504.
10.	Ajay Kumar Adepu · A. Rajini · **N. Venkatathri**	Enhanced Photocatalytic Degradation of Rhodamine-B over a novel porous Titanosilicate/g-C3N4 Nanocomposite under direct sunlight irradiation	Microporous and Mesoporous Materials, 247 (2017) 86-94.
11.	Ajay Kumar Adepu · **N. Venkatathri**	Synthesis and Characterization of a novel Porous Titanium silicate/g-C3N4 Hybrid Nanocomposite Catalyst for Environmental Applications	AIP Conference Proceedings, 1724 (2016) 20003.
12	Suman Chirra, AjaykumarAdepu, **Narayanan Venkatathri**	Synthesis, Characterization and Drug delivery applications of Nanocrystalline mesoporous MCM-41, SBA-15 and Core shell silica materials	Proceedings of International Conference on Materials for the Millennium, MATCON-2016, 2016
13.	A. Rajini · C. Suman · Ajay Kumar Adepu, S. Suresh, **N. Venkatathri**	Titanium Aminophosphates as Efficient, Economic and Recyclable Catalysts for the Synthesis of Xanthenediones	Synthetic communications, 2016, 46 (20), 1671–1677.
14.	RajiniAnumula, Ajay Kumar Adepu, Suman Chirra, Suresh Siliveri and **Venkatathri Narayanan**	Titanium aminophosphates: synthesis, characterization and crystal violet dye degradation studies	RSC Advances, 6 (2016) 507-514.
15.	Venkata Bharat Nishtala, Jagadeesh Babu Nanubolu, **Srinivas Basavoju**	Ultrasound-assisted rapid and efficient one-pot synthesis of furanylspirooxindolo and spiroquinoxalinopyrrolizidines by 1,3-dipolar cycloaddition: a green protocol	Research on Chemical Intermediates, **2017**, *43* (3), pp 1365-1381
16.	BheemarasettiMayuri, P. Kavitha, **Srinivas Basavoju**, G. Bhargavi, K. Laxma Reddy	Synthesis, structural characterisation and biological evolution of chromanones	Journal of Molecular Structure, **2017**, *1145*, 1-9
17.	GudipatiSrinivasa Rao, **Srinivas Basavoju**, Ramachandraiah A	**Crystal Structure Analysis, Spectral, Halochromic Studies of Urea Betti Base and Its Oxazinone Derivative**	Molecular Crystals and Liquid Crystals, *Manuscript accepted, **2017***

* 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.Yugender Goud, E.Takács, A. Hayat, G. Catanante, **K. V. Gobi,** J L Marty	An electrochemical immunosensor and optical aptasensors for zearalenone	Poster	"Matrafured 2017 - International Conference on Electrochemical Sensors" from June 11-16, 2017 at Budapest, Hungary.
2.	K. Yugender Goud, E. Takács, A. Hayat, G. Catanante, **K. V. Gobi,** J L Marty	An electrochemical immunosensor for zearalenone based on bovine serum albumin immobilization on the screen-printed electrode.	Oral	"BITE 2017 - Fifth International Conference on Biosensing Technology" during May 7-10, 2017 at Riva del garda, Italy.
3.	A. Ajay kumar, **N. Venkatathri**	A novel Mesoporous Titanosilicate/V_2O_5 nanocomposite Synthesis, characterization and Methylene blue photocatalytic degradation studies.	Oral	*7th Asia Pacific Congress on Catalysis*, The Hotel Lalith, Mumbai, 17 – 21 January 2017.
4.	Suman Chirra, **Narayanan Venkatathri**	A novel three dimensional mesoporous microcrystalline vanadium incorporated KIT-6 catalyst: synthesis, characterization and selective liquid phase cyclohexane oxidation studies	Oral	*7th Asia Pacific Congress on Catalysis*, The Hotel Lalith, Mumbai, 17 – 21 January 2017.
5.	S. Suresh, **N. Venkatathri**	Microwave mediated rapid non-aqueous media synthesis of a novel nanocrystalline, Silicoaluminophosphate SAPO-16 catalyst.	Poster	*7th Asia Pacific Congress on Catalysis*, The Hotel Lalith, Mumbai, 17 – 21 January 2017.
6.	Ajay Kumar A, Rajini A, **Venkatathri N**	Magnetically separable Porous Titanosilicate/Fe_3O_4 nanocomposite and Study of the Photocatalytic Activity Under UV light Irradiation.	Poster	*Advanced Oxidation Processes* (AOP-2016), Goa, 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.	V. Krishna , D.Prabhakarachary and **A. Ramachandraiah**	Synthesis, Characterization and Antimicrobial Activity of Isomeric Pyridyl-Tetrazole Derivative Ligands and Their Ni(II), Cu(II) and Zn(II) Complexes	Oral	*National Conference on* Frontiers of Chemical Sciences and Technologies, Organized by the Department of Chemistry, NIT Warangal during 28th-29th Januray, 2016
2.	K. Ramaiah, M. Saikumar and **K. Laxma Reddy**	Synthesis and Characterization of novel schiff base derived from 2-hydoxy-1-napthaldehyde and 2-amino-3-hydroxy pyridine	Oral	Research Conclave-2017, 18-19, March, 2017, NIT, Warangal
3.	K. Yugender Goud, M. Satyanarayana, A. Hayat, G. Catanante, **K. V. Gobi,** J L Marty	A Label-Free Electrochemical Impedimetric Aptasensor for Aflatoxin B1 Detection	Oral	Proceedings of the "9th Trobada de Joves Investigadors dels Països Catalans Societat Catalana de Química – Perpinyà", 3-5 February 2016
4.	Kodam Sujatha and **Rajeswar Rao Vedula**	One pot multicomponent synthesis of 4-hydroxy-6-methyl-3-(3-phenylthiazolo[2,3c][1,2,4]triazol-5-yl)-2H-pyran-2-ones	Poster	21st CRSI National Symposium in Chemistry,CSIR-IICT-Hyderabad,July 14-16,2017.
5.	Kodam Sujatha and **Rajeswar Rao Vedula**	An expeditious catalyst free multicomponent synthesis of (E)-1,2-diphenyl-2-(2-(4-phenylthiazol-2-yl) hydrazono) ethanols	Poster	Conference on Innovations in pharmaceutical Technologies &Workshop on GLP/GMP Compliance,NIPER Hyderabad, 24-25th January,2017
6.	Kodam Sujatha and **Rajeswar Rao Vedula**	An expeditious catalyst free multicomponent synthesis of 3-(2-(3,5-dimethyl-1H-pyrazol-1-yl)-4-oxazolyl)-4-oxazolyl) phenyl/-2H-1-benzopyran-2-ones	Poster	Recent Development s in Chemical Sciences and Allied Technologies (RDCST-2017),NIT Warangal, June 29-30,2017.
7.	Kodam Sujatha and **Rajeswar Rao Vedula**	A Facile one pot synthesis of 2-styryl-4-2H-1-benzopyranyl thiazoles by green apprach	Poster	UGC Sponsored National seminar on Green chemistry for sustainable development(GCSD-2017),Govt degree college, Jammikunta, 6-7th April,2017.
8.	Kodam Sujatha and **Rajeswar Rao Vedula**	An expeditious catalyst free multicomponent synthesis of 3-(2-(3,5-dimethyl-1H-pyrazol-1-yl)-4-oxazolyl)-4-oxazolyl) phenyl/-2H-1-benzopyran-2-ones	Poster	RTCCS-2017,Kakatiya university Warangal
9.	A.Ajay kumar, K. Vamsi, **N. Venkatathri**	Synthesis and characterization of Porous Titanosilicate (TS)/Bismuth vanadate ($BiVO_4$) hybrid nanocomposites and their enhanced photocatalytic Rhodamine B dye degradation studies under Sun light irradiation.	Oral	Research Conclave 2017, NIT Warangal, 18-19 March 2017.
10.	G. Srinath, C. Suman, **N. Venkatathri**	Synthesis, characterization and photocatalytic applications of novel multifunctional mesoporous hybrid nanocomposite catalysts.	Oral	Research Conclave 2017, NIT Warangal, 18-19 March 2017.
11.	C. Suman, **N. Venkatathri**	Synthesis, characterization and Drug de;overu applications of Nanocrystalline mesoporous KIT-6 and Ti incorporated KIT-6.	Oral	Research Conclave 2017, NIT Warangal, 18-19 March 2017.
12.	S. Suresh, I.A.K. Reddy, **N. Venkatathri**	Microwave-mediated rapid non-aqueous media synthesis of a novel nanocrystalline, silico aluminophosphate SAPO-16 catalyst	Poster	Research Conclave 2017, NIT Warangal, 18-19 March 2017.
13.	K. Ramyashri, Vinoth Kumar, S. Suresh, I.A.K. Reddy, **N. Venkatathri**	Synthesis and characterization of a levyne (LEV) type silicoaluminophosphate molecular sieve, SAPO-35.	Poster	Research Conclave 2017, NIT Warangal, 18-19 March 2017.
14.	Sarita, C. Suman, **N. Venkatathri**	Synthesis, characterization of ionic liquids and Photo catalytic activity of bimetallic nanoparticles	Poster	Research Conclave 2017, NIT Warangal, 18-19 March 2017.
15.	Venkata Bharat Nishtala and **Srinivas Basavoju**	Synthesis of Novel spirocarbamate derivatives via one-pot multicomponent approach.	Poster	UGC Sponsored a Two-Day National Seminar on Recent Trends and Challenges in Chemical Sciences (RTCCS) 24th – 25th March 2017, Dept. of Chemistry, Kakatiya University, Warangal.

16.	VinayPogaku and **Srinivas Basavoju**	Synthesis and characterization of thiazolidin-4-one derivatives containing pyrazole moiety.	Poster	UGC Sponsored a Two-Day National Seminar on Recent Trends and Challenges in Chemical Sciences (RTCCS)24th – 25th March 2017, Dept. of Chemistry, Kakatiya University, Warangal.
17.	Venkata Bharat Nishtala and **Srinivas Basavoju**	Synthesis of Novel spirocarbamate derivatives via one-pot multicomponent approach.	Poster	A One day National Conference on "RECENT ADVANCES IN ORGANIC SYNTHESIS" organised by Department of Chemistry, 29th June 2016
18.	VinayPogaku and **Srinivas Basavoju**	Synthesis and characterization of thiazolidin-4-one derivatives containing pyrazole moiety.	Poster	A One day National Conference on "RECENT ADVANCES IN ORGANIC SYNTHESIS" organised by Department of Chemistry, 29th June 2016
19.	Venkata Bharat Nishtala and **Srinivas Basavoju**	Synthesis of Novel Quinoline based various spirooxindolopyrrolizidines via one-pot three component 1,3-dipolar cycloaddition reaction.	Poster	National Symposium on RecentAdvances in Chemical and Material Sciences (RACMS-2016) 20th – 21stAugust 2017, Dept. of Chemistry, RGUKT, IIIT Basar.
20.	Vinay Pogaku and **Srinivas Basavoju**	Synthesis and characterization of thiazolidin-4-one derivatives containing pyrazole moiety.	Poster	National Symposium on Recent Advances in Chemical and Material Sciences (RACMS-2016) 20th – 21st August 2017, Dept. of Chemistry, RGUKT, IIIT Basar.

* Name of the Faculty of the Department to be emboldened

Humanities and Social Sciences Department

A. Publications

i) Peer – Reviewed International Journal Publications

S. No.	Authors (*)	Title of the Paper	Journal Details (Journal, Year, Vol., pp)
1.	**D.S.Kesava Rao**	The A(E)ffective teacher	Kakatiya Journal of English studies, Kakatiya University, Warangal 2016
2	**M. Raja Vishwanathan**	To teach or not to teach literature in the ESL classroom : A cultural politics perspective	Osmania Journal of English Studies; 2016; ISSN : 0474-8107; pages 114-127
3.	**Doreswamy & Kesari., Madhavi**	'Challenges in Motivating ESL Learners of Vernacular Medium of UG Classes in Karnataka: An Approach towards Critical Pedagogy'	Osmania Journal of English Studies, OU Hyderabad September, 2016. **ISSN N0.0474-8107**
4.	**Rammohan., Kasuba Madhavi Kesari**	A Systematic Study on Strategically Reading to Enhance Practical Thinking for Second Language Learners	International Journal of Scientific Engineering and Research (IJSER) pp54-65 ,Vol-4-Issue1, pp 54-65 January 2016.**ISSN 2437-3878.**

* 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.Madhavi**	'Exploring Cultural Sensitivity in the Teaching/Learning of ESL an Experimental Study at the Undergraduate Level	Oral	A three day International Conference on Commonwealth Literature organized by Indian Society for Commonwealth Studies in collaboration with Osmania University Centre for International Programmes (OUCIP) during 16-18 February 2017
2	**K.Madhavi**	'Teaching Reading through Blended Learning	Oral	The 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, Hyderabad during 30th June -2nd July 2016.

* Name of the Faculty of the Department to be emboldened

School of Management

A. Publications

i) Peer – Reviewed International Journal Publications

S. No	Authors (*)	Title of the Paper	Journal Details (Journal, Year, Vol., pp)
1	**M. Ravindar Reddy**	i) Measuring Shareholder's Value in Indian Pharmaceutical Companies: Economic Value Added (EVA) Approach.	International Journal of Advanced Scientific Research and Management, 2016
		ii) Financial Inclusion Growth in India: A study with Reference to Pradhan Mantri Jan-Dhan Youjana (PMJDY)	International Journal of Economics and Management Science- March, 2016.
		iii) The Shielding effects of choice attributes on purchase intention of store brands in Food and Grocery	ABER-2016
		iv) Microfinance as a Mechanism for Inclusive Growth in India: A study based on Southern Region	Conference Proceedings of National Conference on Business Dynamics a paradigm shift in policies for sustainability, October-2015
		V) Foreign Store Brands and Impact on Indian Retail Consumers	Singaporean Journal of Business Economics and Management Studies-2015.

* Name of the Faculty of the Department to be emboldened

4.0 ADMINISTRATIVE AND STATUTAORY BODIES AND OTHER COMMITTEES

4.1 Board of Governors

CHAIRMAN

Prof. T. Srinivasa Rao
Director, NITW & Chairman, BoG
(up to 30-06-2016)

Prof. R.V. Chalam
Director, NITW & Chairman, BoG
(from 01-07-2016 to 26-08-2016)

Prof. G. R. C. Reddy
Director, NITW & Chairman, BoG
(from 27-08-2016)

MEMBERS

Prof. T. Srinivasa Rao
Director
National Institute of Technology,
Warangal – 506 004
(up to 30-06-2016)

Prof. R.V. Chalam
Director
National Institute of Technology,
Warangal – 506 004
(from 01-07-2016 to 26-08-2016)

Prof. G. R. C. Reddy
Director
National Institute of Technology,
Warangal – 506 004
(from 27-08-2016)

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

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. Janakiram Nanduri
Industrialist, 76, Surya Enclave,
Thirmulgherry,
Secunderabad 500 015
(up to 16-06-2016)

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
(up to 10-06-2016)

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
(up to 16-06-2016)

Dr. Tessy Thomas
Project Director, Agni-IV,
Defence Research & Development Organization,
Hyderabad – 500 005.
(from 18-07-2016)

Ms. Veena Krishnaji Parnaik
Chief Scientist,
Centre for Cellular Molecular Biology,
Hyderabad – 500 007.
(from 18-07-2016)

Prof. C. B. Kameswara Rao
Department of Civil Engineering,
National Institute of Technology, Warangal.

Sri G. Venkateswara Rao
Department of Mechanical Engineering,
National Institute of Technology, Warangal.

SECRETARY

Prof. M. Chandra Sekhar
Registrar I/c., NIT Warangal
(up to 01-08-2016)

Prof. Y. N. Reddy
Registrar I/c., NIT Warangal
(from 02-08-2016)

4.2 Finance Committee

CHAIRMAN

Prof. T. Srinivasa Rao
Director, NITW & Chairman, BoG
(up to 30-06-2016)

Prof. R.V. Chalam
Director, NITW & Chairman, BoG
(from 01-07-2016 to 26-08-2016)

Prof. G. R. C. Reddy
Director, NITW & Chairman, BoG
(from 27-08-2016)

MEMBERS

Prof. T. Srinivasa Rao
Director, NITW & Chairman, BoG
(up to 30-06-2016)

Prof. R.V. Chalam
Director, NITW & Chairman, BoG
(from 01-07-2016 to 26-08-2016)

Prof. G. R. C. Reddy
Director, NITW & Chairman, BoG
(from 27-08-2016)

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

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

Sri G. Venkateswara Rao
Department of Mechanical Engineering,
National Institute of Technology,
Warangal.

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
(up to 10-06-2016)

Ms. Veena Krishnaji Parnaik
Chief Scientist,
Centre for Cellular Molecular Biology,
Hyderabad – 500 007.
(from 18-07-2016)

MEMBER SECRETARY

Prof. M. Chandra Sekhar
Registrar I/c., NIT Warangal
(up to 01-08-2016)

Prof. Y. N. Reddy
Registrar I/c., NIT Warangal
(from 02-08-2016)

4.3 Building and Works Committee

CHAIRMAN

Prof. T. Srinivasa Rao
Director, NITW & Chairman, BoG
(up to 30-06-2016)

Prof. R.V. Chalam
Director, NITW & Chairman, BoG
(from 01-07-2016 to 26-08-2016)

Prof. G. R. C. Reddy
Director, NITW & Chairman, BoG
(from 27-08-2016)

MEMBERS

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

Dr. Janakiram Nanduri
Industrialist, 76, Surya Enclave,
Thirmulgherry,
Secunderabad 500 015
(up to 16-06-2016)

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 C. Laxman
Superintending Engineer (R&B)
Electrical Circle,
Erramanzil,
Hyderabad. (From 10.08.2015)

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

MEMBER SECRETARY

Prof. M. Chandra Sekhar
Registrar I/c., NIT Warangal
(up to 01-08-2016)

Prof. Y. N. Reddy
Registrar I/c., NIT Warangal
(from 02-08-2016)

4.4 Senate

CHAIRMAN

Prof. T. Srinivasa Rao	**Prof. R.V. Chalam**	**Prof. G. R. C. Reddy**
Director, NITW & Chairman, BoG (up to 30-06-2016)	Director, NITW & Chairman, BoG (from 01-07-2016 to 26-08-2016)	Director, NITW & Chairman, BoG (from 27-08-2016)

Secretary
The Registrar

Members
(Department-wise)

Civil Engg.	**Chemical Engg.**
C.B.Kameswara Rao	Y.Pydisetty
K.V.Jayakumar	K. Anand Kishore (Upto 20.11.2016)
N.V.Umamahesh	A. Sarath Babu (From 21.11.2016)
P.Anand Raj	
D. Rameseshu	**Computer Science & Engg.**
G. Rajesh Kumar	T. Ramesh
C.S.R.K.Prasad	DVLN Somayajulu
Deva Pratap	S.G. Sanjeevi
M. Chandrasekhar	B.B. Amberkar
	K. Ramesh
Electrical Engg.	
M. Sydulu	**Biotechnology**
D.M. Vinod Kumar	K. Laxma Reddy
D.V.S.S. Siva Sarma	
N. Subrahmanyam	**Mathematics**
Bhagwan K. Murthy	G. Radhakrishnamacharya
N. Viswanathan	Y.N. Reddy
V.T.Somasekhar	K.N.S. Kasiviswanadham
	J.V.Ramana Murthy
Mechanical Engg.	Debashis Dutta
R.V. Chalam	
K.Madhu Murthy	**Physics**
L. Krishnanand	G. Ramachandra Reddy (Lien)
Ch.S.Prakasa Rao	S.V.S.Ramana Reddy
S.Srinivasa Rao	L. Ramgopal Reddy
P. Bangaru Babu	M.Sai Shankar
C.Gururaja Rao	R.L.N.Sai Prasad
A.Venugopal	
A.Neelakanteswara Rao	**Chemistry**
G.Amba Prasada Rao	A. Ramachandraiah
N.Selva Raj	G.V.P. Chandramouli
K.V.Sai Srinadh	I. Ajit Kumar Reddy
P.Ravi Kumar	P. Nageswara Rao
	K. Laxma Reddy
Electronics & Communications Engg.	V.Rajeswara Rao
K.S.R. Krishna Prasad	
N.V.S.N.Sarma	**Humanities & Social Sciences**
T. Kishore Kumar	D.S. Kesava Rao
Metallurgical & Materials Engg.	
M. Krishna Mohan	**SOM**
G.V.S.Nageswara Rao	K. Padma
N. Narsaiah	

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 (up to 30-06-2016)	--	**Chairman**
Prof. R.V. Chalam (from 01-07-2016 to 26-08-2016)	--	**Chairman**
Prof. G. R. C. Reddy(from 27-08-2016)	--	**Chairman**
Prof. K. Laxma Reddy	--	**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. A. Ramachandraiah Department of Chemistry National Institute of Technology, Warangal – 506 004. E-mail: archem@nitw.ac.in	**Prof. CSRK Prasad** Professor, Dept. of Civil Engg. National Institute of Technology Warangal Warangal – 506 004. E-mail: csrk@nitw.ac.in Ph. No. 0870-2462117, Mobille:9491065002
Prof. M.K Mohan Department of Metallurgy and Materials Engg. National Institute of Technology Warangal Warangal – 506 004. 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. E-mail: sydulumaheswarapu@yahoo.co.in Ph. No. 0870-2462210

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

1	Prof. G.R.C.Reddy, Director I/c	--	Chairman
2	Prof. T.D.Gunneswar Rao, Registrar I/c.	--	Member
3	Prof. K.Laxma Reddy, Dean (SW) I/c	--	Member
4	Dr. D.Srinivasacharya, Chief Warden	--	Convener
	Warden Representatives:		
1	Dr. D. Vakula, Dy. Chief Warden	--	Member
2	Dr. P.Madhusudhan Reddy, Warden	--	Member
3	Dr. T.Vinay Kumar, Warden	--	Member
4	Dr. G.Kalyan Kumar, Warden	--	Member
5	Dr. G.Sunitha, Warden	--	Member
6	Dr. B. Rama Raju, Warden	--	Member
7	Dr. Ch.Ramreddy, Warden	--	Member
8	Dr. A. Benerji Babu, Warden	--	Member
9	Dr. G.Raghavendra, Warden	--	Member
	Student Representatives:		
1	Mr. Krishna Vyas, Student Council President	--	Member
2	Ms. Naveena, LH Representative	--	Member
	Special Invitees:		
1	Prof. K.V. Jayakumar, Dean (P&D)	--	Member
2	Prof. P. Anand Raj, Prof. I/c P.E. Unit	--	Member
3	Sri. K.Janardhan Reddy, Project Engineer	--	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	(upto 28.07.2016)	Coordinator
Dr. P. Subhash Chandra Bose	(upto 29.07.2016)	Coordinator

Minorities Cell

Dr. Abdul Azeem	Coordinator

Women Protection Cell

Dr. M. Sailaja Kumari	Chair Person
Dean (Student Welfare)	Member
Registrar	Member
Sri S. Shoury Reddy, Ex. Director, Balavikasa, NGO, Fathimanagar	Member
Dr. K. Padma	Member
Dr. K.V. Kadambari	Member

Grievances Committee

Dean (Faculty Welfare)	Chairman

Library Advisory Committee

Prof. K. Laxma Reddy	(upto 20.10.2016)	Chairman
Prof. D.M. Vinod Kumar	(from 21.10.2016)	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. Muthu	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	Dr. D. Kasinath	Assoc. Dean (Librarian)	Member

OBC Cell

Dr. D. Dinkar	**Coordinator**

Dispensary Committee

Prof. S.V.S. Ramana Reddy(upto 09.03.2016)	**Chairman**
Prof. G. Rajesh Kumar (from 10.03.2016)	**Chairman**

Accommodation Committee

Dean (Faculty Welfare)	**Chairman**
Registrar	**Member**
Faculty I/c Engineering & Maintenance Unit	**Member**
Dy. Registrar (Admin)	**Member**

Games Committee

Prof. G. Amba Prasada Rao (upto 20.10.2016)	**Chairman**
Prof. M. Chandrasekhar (from 01.03.2016)	**Chairman**

Alumni Affirs Committee

Prof. C.S.R.K. Prasad	**Professor-In-Charge**

Legal Cell

Registrar	**Professor-In-Charge**

5.0 ACADEMIC PROGRAMMES AND RELATED DETAILS

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

5.1 Programmes Offered

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

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

UG B.Tech. 2016-2017

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	619	272	891	229	122	351	152	63	215	73	43	115	44	13	57	17	3	20	104	28	132
II Year	635	269	904	247	133	381	148	58	206	82	33	115	48	13	61	15	6	21	94	26	120
III Year	612	224	836	218	103	321	164	57	221	74	33	107	46	8	54	20	2	22	90	21	111
IV Year	662	179	841	236	85	321	168	43	211	89	19	108	41	7	48	24	3	27	104	22	126
Total	**2528**	**944**	**3472**	**930**	**443**	**1374**	**632**	**221**	**853**	**318**	**128**	**445**	**179**	**41**	**220**	**76**	**14**	**90**	**392**	**97**	**489**

c) Students on rolls B.Tech. (Class-wise & Branch – wise) during 2016-2017

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	29+1	16+3	**49**	35	15	**50**	25	14	**39**	29	11	**40**	**178**
2. B.C	20+1	5+1	**27**	18	8	**26**	23	9	**32**	21	6	**27**	**112**
3. S.C	8	6+1	**15**	15	2	**17**	10	4	**14**	14	0	**14**	**60**
4. S.T	5	2	**7**	4	2	**6**	4	2	**6**	3	2	**5**	**24**
Total	**62+2**	**29+5**	**98**	**72**	**27**	**99**	**62**	**29**	**91**	**67**	**19**	**86**	**374**
II Electrical & Electronics Engineering													
1. Open	31	18+5	**54**	32	28	**60**	28	24	**52**	36	17	**53**	**219**
2. B.C	22	10+2	**34**	18	13	**31**	24	8	**32**	25	3	**28**	**125**
3. S.C	10	6+1	**17**	8	7	**15**	11	5	**16**	14	4	**18**	**66**
4. S.T	7+1	1	**9**	8	2	**10**	8	1	**9**	8	1	**9**	**37**
Total	**70+1**	**35+8**	**114**	**66**	**50**	**116**	**71**	**38**	**109**	**83**	**25**	**108**	**447**
III Mechanical Engineering													
1. Open	46+4	3	**53**	57	1	**58**	46	2	**48**	44	2	**46**	**205**
2. B.C	29+3	2	**34**	30	2	**32**	37	1	**38**	36	0	**36**	**140**
3. S.C	14+1	2	**17**	15	2	**17**	14	2	**16**	18	0	**18**	**68**
4. S.T	8+1	0	**9**	8	1	**9**	7	1	**8**	7	1	**8**	**34**
Total	**97+9**	**7**	**113**	**110**	**6**	**116**	**104**	**6**	**110**	**105**	**3**	**108**	**447**
IV. Electronics & Communication Engineering													
1. Open	26+2	24+2	**54**	33	25	**58**	41	15	**56**	37	13	**50**	**218**
2. B.C	20+2	12	**34**	21	11	**32**	22	8	**30**	18	13	**31**	**127**
3. S.C	6	10+2	**18**	6	9	**15**	9	7	**16**	14	2	**16**	**65**
4. S.T	6	2+1	**9**	7	3	**10**	8	1	**9**	6	2	**8**	**36**
Total	**58+4**	**48+5**	**115**	**67**	**48**	**115**	**80**	**31**	**111**	**75**	**30**	**105**	**446**
V. Metallurgical & Materials Engineering													
1. Open	18+1	10+1	**30**	25	7	**32**	17	3	**20**	21	6	**27**	**109**
2. B.C	11	4+1	**16**	12	7	**19**	11	4	**15**	15	1	**16**	**66**
3. S.C	7+1	2	**10**	9	2	**11**	8	3	**11**	5	3	**8**	**40**
4. S.T	3	1	**4**	5	0	**5**	4	1	**5**	1	1	**2**	**16**
Total	**39+2**	**17+2**	**60**	**51**	**16**	**67**	**40**	**11**	**51**	**42**	**11**	**53**	**231**
VI. Chemical Engineering													
1. Open	26+2	16+1	**45**	25	22	**47**	18	21	**39**	24	13	**37**	**168**
2. B.C	13+1	11+1	**26**	19	7	**26**	18	8	**26**	19	8	**27**	**105**
3. S.C	8	6	**14**	13	3	**16**	7	6	**13**	9	3	**12**	**55**
4. S.T	7+1	1	**9**	6	2	**8**	6	1	**7**	3	2	**5**	**29**
Total	**54+4**	**34+2**	**94**	**63**	**34**	**97**	**49**	**36**	**85**	**55**	**26**	**81**	**357**
VII. Computer Science & Engineering													
1. Open	38+1	14+2	**55**	33	25	**58**	40	13	**53**	38	14	**52**	**218**
2. B.C	21+3	10	**34**	23	10	**33**	23	11	**34**	31	4	**35**	**136**
3. S.C	13	3+1	**17**	14	3	**17**	14	2	**16**	17	0	**17**	**67**
4. S.T	4+1	3	**8**	8	1	**9**	7	1	**8**	7	0	**7**	**32**
Total	**76+5**	**30+3**	**114**	**78**	**39**	**117**	**84**	**27**	**111**	**93**	**18**	**111**	**453**
VIII. Bio-Technology													
1. Open	10+1	9	**20**	17	13	**30**	12	11	**23**	15	10	**25**	**98**
2. B.C	10+2	4	**16**	11	3	**14**	12	9	**21**	10	8	**18**	**69**
3. S.C	6+1	4	**11**	4	5	**9**	5	5	**10**	6	4	**10**	**40**
4. S.T	2	2	**4**	2	2	**4**	3	0	**3**	3	0	**3**	**14**
Total	**25+4**	**19**	**51**	**34**	**23**	**57**	**32**	**25**	**57**	**34**	**22**	**56**	**221**
Grant Total	**484+31**	**219+25**	**759**	**541**	**243**	**784**	**522**	**203**	**725**	**554**	**154**	**708**	**2976**

Remarks : (+31 & +25) 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	236	124	360	257	136	393	227	103	330	244	86	330	964	449	**1413**
2. B.C	158	63	221	152	61	213	170	58	228	175	43	218	655	225	**880**
3. S.C	75	44	119	84	33	117	78	34	112	97	16	113	334	127	**461**
4. S.T	46	13	59	48	13	61	47	08	55	38	09	47	179	43	**222**
Total	**515**	**244**	**759**	**541**	**243**	**784**	**522**	**203**	**725**	**554**	**154**	**708**	**2132**	**844**	**2976**

Student's Total Strength in UG Programmes: 2976

d) Admission Statistics – B. Tech Branch wise

Sl.No.	Branch	Duration	Sanctioned Intake	Actual Enrolment		
				Indians	S/N	Foreigners
1	Civil Engineering	4 year	92	91	7	21
2	Electrical & Electronic Engineering	4 year	108	105	9	21
3	Mechanical Engineering Engineering	4 year	108	104	9	26
4	Electronics & Communication Engineering	4 year	108	106	9	24
5	Metallurgical & Materials Engineering	4 year	62	56	4	-
6	Chemical Engineering	4 year	92	88	6	14
7	Computer & Science Engineering	4 year	108	106	8	23
8	Bio-Technology	4 year	62	47	5	3
Total			740	703	56	132

S/N: Supernumerary (AP Quota)

e) PG: M.Tech and M.Sc Branch wise M.C.A, M.B.A, M.Sc Tech 2016-17 batch

Sl No	Course Name	Sanctioned Intake	Open			OBC			SC			ST			PHC			QIP/Sponsored			Foreign Students			Total		
			Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
Engineering																										
1	Engineering Structures	25	11	0	11	5	1	6	4	0	4	0	1	1			0			0			0	20	2	22
2	Geo-Technical Engineering	25	8	4	12	2	5	7	2	1	3	2	0	2			0			0			0	14	10	24
3	Transportation Engineering	26	11	2	13	5	2	7	4	1	5	1	0	1			0			0			0	21	5	26
4	Water Resource Engineering	25	8	5	13	5	1	6	3	0	3	2	0	2			0			0			0	18	6	24
5	Remote Sensing & GIS	25	5	3	8	2	2	4	1	0	1	0	0	0	1	0	1			0			0	9	5	14
6	Environmental Engg.	25	9	3	12	2	2	4	1	1	2	0	0	0			0			0			0	12	6	18
7	Construction Techniques & Management	25	13	0	13	5	2	7	1	1	2	2	0	2			0			0	1	0	1	22	3	25
8	Power Electronics & Drives	38	17	3	20	8	0	8	5	0	5	2	1	3			0			0			0	32	4	36
9	Power Systems Engg.	38	15	3	18	6	4	10	6	1	7	1	0	1			0			0			0	28	8	36
10	Thermal Engineering	18	6	0	6	5	0	5	3	0	3	1	1	2			0			0			0	15	1	16
11	Manufacturing Engineering	18	8	1	9	3	2	5	2	1	3	1	0	1			0			0			0	14	4	18
12	Computer Intergrated Manufacturing	17	8	1	9	3	0	3	2	0	2	1	0	1			0			0			0	14	1	15
13	Machine Design	18	8	0	8	5	0	5	3	0	3	1	0	1			0			0			0	17	0	17
14	Automobile Engineering	17	7	2	9	4	0	4	2	0	2	1	0	1	1		1			0			0	15	2	17
15	Materials and Systems Engineering Design	12	6	0	6	2	1	3	2	0	2	1	0	1			0			0			0	11	1	12
16	Additive Manufacturing	10	5	0	5	3	0	3	0	1	1	1	0	1										9	1	10
17	Electronics Instrumentation	21	7	0	7	6	0	6	2	0	2	0	0	0	1		1			0			0	16	0	16
18	VLSI System Desing	19	6	3	9	2	3	5	3	0	3	1	1	2			0			0			0	12	7	19
19	Advanced Communication Systems	24	12	1	13	5	1	6	1	1	2	0	1	1			0			0			0	18	4	22
20	Industrial Metallurgy	20	5	0	5	2	0	2	2	0	2	1	0	1			0			0			0	10	0	10
21	Materials Technology	24	2	0	2	5	2	7	1	0	1	1	0	1			0			0			0	9	2	11
22	Chemical Engineering	20	4	1	5	1	3	4	1	0	1	0	0	0			0			0			0	6	4	10
23	Process Control	20	5	1	6	1	0	1	1	0	1	0	0	0										7	1	8
24	Computer Science and Engineering	20	7	3	10	4	1	5	2	1	3	2	0	2			0			0	2	0	2	17	5	22
25	Computer Science & Information Security	20	6	4	10	4	1	5	2	1	3	1	0	1			0			0	1	0	1	14	6	20
	Total	550	199	40	239	95	33	128	56	10	66	23	5	28	3	0	3	0	0	0	4	0	4	380	88	468
Sl No	Course Name	Sanctioned Intake	Open			OBC			SC			ST			PHC			QIP/Sponsored			Foreign Students			Total		
			Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
Sciences																										
1	M.Sc. Mathematics (Applied Mathematics)	24	5	3	8	6	0	6	4	0	4	1	1	2			0			0			0	16	4	20
2	M.Sc. Mathematics (Mathematics and Scientific Computing)	24	3	8	11	5	0	5	2	2	4	0	2	2			0			0			0	10	12	22
3	M.Sc. Tech. Engineering Physics	48	6	6	12	10	2	12	1	1	2	1	0	1			0			0			0	18	9	27
4	M.Sc. Chemistry (Organic Chemistry)	24	8	3	11	4	2	6	2	2	4	1	0	1			0			0			0	15	7	22
5	M.Sc. Chemistry (Analytical Chemistry)	24	4	5	9	3	3	6	1	2	3	1	0	1			0			0			0	9	10	19
	Total	144	26	25	51	28	7	35	10	7	17	4	3	7	0	0	0	0	0	0	0	0	0	68	42	110
1	Master in Computer Applications	46	15	8	23	7	5	12	3	4	7	2	2	4			0			0			0	27	19	46
	Master of Business Administration	62	13	14	27	3	6	9	4	2	6	0	2	2			0			0			0	20	24	44
	Grand Total	802	253	87	340	133	51	184	73	23	96	29	12	41	3	0	3	0	0	0	4	0	4	495	173	668

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	253	87	340	133	51	184	73	23	96	29	12	41	3	-	3	4	-	4	495	173	668
III-Semester	273	83	356	138	38	176	69	24	93	28	7	35	6	1	7	4	-	4	518	153	671
V- Semester	26	18	44	12	3	15	5	2	7	2	1	3	-	1	1	-	-	-	45	25	70
Grand Total	552	188	740	283	92	375	147	49	196	59	20	79	9	2	11	8	0	8	1058	351	**1409**

Student's Total Strength in PG Programmes: 1409

Nationality-Wise Distribution of Foreign Students in B.Tech (First to Final Year)- 2016-2017

S.No.	Country	DASA	DASA CIWG	ICCR	MEA	MEA SFC	SPDC	Total
1	A. P.	5						**5**
2	ABUDHABI	1					1	**2**
3	AFGHANISTAN			12	3			**15**
4	AUSTRALIA	2						**2**
5	BAHRAIN	6	1				1	**8**
6	BANGLADESH	1		9	1	2		**13**
7	BHUTAN			7				**7**
8	Brazil					2		**2**
9	Britain	1						**1**
10	Canada	1						**1**
11	DL					1		**1**
12	DOHA	1						**1**
13	DUBAI	9					1	**10**
14	FIJI			1				**1**
15	G J	1						**1**
16	H R	1						**1**
17	J H	1				2		**3**
18	K A	3						**3**
19	K L	5	1					**6**
20	KENYA	1						**1**
21	KUWAIT	37	3			1	1	**42**
22	M H	2	1					**3**
23	MAURITIUS			3				**3**
24	MOZAMBIQUE			4				**4**
25	MUSCAT	3	1			1		**5**
26	MYANMAR					1		**1**
27	NEPAL	65			1	9		**75**
28	New Delhi	1						**1**
29	Nigeria	1		1				**2**
30	OMAN	15	4				2	**21**
31	QAT	33	5				2	**40**
32	R J	1						**1**
33	Riyadh						1	**1**
34	SAUDI ARABIA	26	2			1	3	**32**
35	Senegal					1		**1**
36	Sharjah	1						**1**
37	SING	2						**2**
38	South Korea	1						**1**
39	SRIL	6		15			4	**25**
40	T N	10	2			2	1	**15**
41	T S	4	3			1		**8**
42	TANZANIA	1						**1**
43	THAILAND	3						**3**
44	U A E	65	13				3	**81**
45	U P					2		**2**
46	U.S.A	17	1		1		3	**22**
47	UGANDA	1						**1**
48	UK	1				1		**2**
49	VIETNAM	1						**1**
50	West Bengal					1		**1**
51	ZAMBIA			2				**2**
Grand Total		**336**	**37**	**54**	**6**	**28**	**23**	**484**

5.3 Total Student Strength in the Institute (2016-2017)

Under Graduate Students	:	3472
Post Graduate Students	:	1409
Ph.D Students	:	580
Total	**:**	**5461**

5.4 Scholarships / Monetary Assistance (2016-17)

Scholarships Awarded:

S.No.	Name of the scholarships /stipends	Scholarship awarded	Remarks
1	Institute Merit Scholarships	₹ 1,62,32,540	B.Tech I year:- 39 students have got full reimbursement of tuition fee @ 1,25,000/- B.Tech II year:- 64 students have got full reimbursement of tuition fee @ 70,000/- B.Tech III year:- 60 students have got full reimbursement of tuition fee @ 70,000/- B.Tech IV year:- 56 students have got full reimbursement of tuition fee @ 35,000/-
TELANGANA STATE			
2	***SC Scholarships***		Scholarship Applications were forwarded to concerned District welfare offices and sanction is awaited
a)	B.Tech P.G.Students :		
b)	B.Tech P.G.Students Ph.D. (Humanities)		
3	**ST Scholarships**		
a)	B.Tech P.G.Students :		
b)	B.Tech P.G.Students :		
4	**BC Scholarships**		
a)	B.Tech P.G.Students :		
b)	B.Tech P.G.Students :		
5	**EBC Scholarships**		
a)	B.Tech P.G.Students :		
6	**OC (Disabled) Scholarships**		
a)	B.Tech P.G.Students :		
b)	B.Tech P.G.Students :		
7	**Minority Scholarships**		
a)	B.Tech P.G.Students :		
b)	B.Tech P.G.Students :		

State-Wise Scholarships/ Assistance:

Statement showing the details of various Scholarships, stipends etc. awarded during the year 2016-17:

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.	Bihar	35	2057240	2057240
2.	Chattisgarh	7	208495	208495
3.	Karnataka	1	40720	40720
4.	Madhya Pradesh	6	251070	251070
5.	Maharashtra	6	391650	391650
		(A) Total :	**2949175**	**2949175**
B.	**Other Scholarships:**			
6.	IOCL	14	252000	252000
7.	Visakhapatnam Steel Plant	5	180000	180000
8.	Ministry of Steel Chair Prof. & Scholarship	10	600000	600000
9.	Central Sector Scholarship	4	413400	413400
10.	AIEEE upto 2000 Rank	271	9415000	9415000
11.	FAEA	1	24000	24000
12.	National Handicapped Finance& Development Corporation	3	163000	163000
13.	Pratibha Scholarship	1	17500	17500
14.	ED-CIL (SPDC)	64	11009401	11009401
15.	ED-CIL (MEA)	--	--	--
16.	Indian Council for Cultural Relation Foreign Students	85	7102100	7102100
		(B) Total	**29176401**	**29176401**
		(A)+ (B) Grand Total:		**32125576**

5.5. Examination Results

Examination Results for the B. Tech (Regular) from 01.07.2016 to 30.06.2017

S.NO.	BRANCH	NO. OF STUDENTS APPEARED	PASSED IN FIRST DIV. WITH DISTN.	FIRST DIVISION	SECOND DIVISION	TOTAL	% of Pass
1	Civil Engineering	123	27	58	29	114	93
2	Electrical and Electronics Engineering	130	42	59	25	126	97
3	Mechanical Engineering	126	38	69	19	126	100
4	Electronics and Communication Engineering	127	37	63	25	125	98
5	Metallurgical and Materials Engineering	57	11	33	11	55	96
6	Chemical Engineering	94	21	45	27	93	99
7	Computer Science and Engineering	142	37	65	35	137	96
8	Biotechnology	64	21	25	18	64	100
TOTAL		863	234	417	189	840	97

Details of Roll of Honour/Institute Gold Medal Winners (2013-17 Batch)

Roll of Honour Gold Medal Winners (Branch wise)

Sl.No.	Name of the Student	Roll No.	Branch
1.	Mr. Mandeep Singh Soodan	131126	Civil Engineering
2.	Mr. Himanshu Varshney	132121	Electrical & Electronics Engineering
3.	Mr. Raj Gupta	133247	Mechanical Engineering
4.	Ms. Ashwitha Naikoti	134106	Electronics & Communication Engineering
5.	Mr. Amritpal Singh Dhillon	135103	Metallurgical & Materials Engineering
6.	Mr. Aditya Kumar Somani	136202	Chemical Engineering
7.	Mr. Devamanyu Hazarika	137217	Computer Science & Engineering
8.	Mr. Sanjay Krki	138142	Biotechnology

Roll of Honour Institute (over all) Gold Medal Winner

Name of the Student	Roll No.	Branch
Mr. Aditya Kumar Somani	136202	Chemical Engineering

Examination Results for PG Courses 1.07.2016 to 30.06.2017

DEPARTMENT	SPECIALIZATION	No. of Students Appeared	First Division with Distinction	First Division	Second Division	Total
Civil Engineering	Construction Technology and Management	20	7	13	0	20
	Engineering Structures	17	8	9	0	17
	Environmental Engineering	20	6	11	3	20
	Geotechnical Engineering	13	6	7	0	13
	Remote Sensing and Geographical Information System	13	3	9	1	13
	Transportation Engineering	23	3	19	1	23
	Water Resources Engineering	15	5	10	0	15
Electrical Engineering	Power Electronics and Drives	34	7	24	3	34
	Power Systems Engineering	36	7	27	2	36
Mechanical Engineering	Additive Manufacturing	8	2	6	0	8
	Automobile Engineering	16	6	9	1	16
	Computer Integrated Manufacturing	18	8	9	1	18
	Machine Design	16	9	7	0	16
	Manufacturing Engineering	16	6	10	0	16
	Materials and Systems Engineering Design	13	4	9	0	13
	Product Design & Development	1	0	1	0	1
	Thermal Engineering	16	8	8	0	16
Electronics and Communicaton Egnineering	Advanced Communication System	19	1	17	1	19
	Electronic Instrumentation	20	8	11	1	20
	VLSI System Design	19	6	11	2	19
Metallurgical and Materials Engineering	Industrial Metallurgy	16	1	14	1	16
	Materials Technology	20	4	15	1	20
Chemical Engineering	Chemical Engineering	10	4	6	0	10
Computer Science and Engineering	Computer Science and Engineering	19	6	10	3	19
	Computer Science and Information Security	17	4	9	4	17
	Master of Computer Applications	43	8	21	14	43
Mathematics	Applied Mathematics	24	7	10	7	24
	Mathematics and Scientific Computing	19	3	9	7	19
Physics	Engineering Physics (Electronics)	9	0	8	1	9
	Engineering Physics (Photonics)	16	7	9	0	16
Chemistry	Analytical Chemistry	17	6	10	1	17
	Organic Chemistry	22	8	12	2	22
School of Management	Master of Business Administration	39	6	30	3	39
Grand Total		**624**				**624**

6.0 CONCESSIONS FOR SCs, STs, DIFFERENTLY ABLED 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 differently abled 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 differently abled staff.

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	K.L.Radhika	Dr.P.Ratish Kumar	Part time	---	A Study n the application of particle packing theory for improving the performance of Recycled aggregate based SCC.
2.	N.Ruben	Dr.E.VenkataRathnam	Full Time	Institute	Hydraulic transients in water conveyance pumping system using discrete vapour cavitation model
3	V.Agilan	Prof. N.V.Umamhesh	Full time	Project	Non-Stationary extreme Rainfall Statistical modeling

B. Working

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	Sharath C. Pillamarri	Prof. C.S.R.K. Prasad	Part Time	NA	An Empirical Assessment of Desirable Public Transport Modal Shares for Indian Cities
2	K. Leela Krishna	Prof. N.V. Umamahesh	Part Time		Watershed Mgmt
3	M. Sudhakar	Prof. D. Ramaseshu	Part Time		FRC Confinement
4	Sai Kumar.V	Dr. P. Hari Prasad Reddy	Part Time	NA	Evaluation of Mechanisms controlling the alkali induced swelling in kaolinitic soils
5	V. Mahalaxmi Naidu	Prof. C.S.R.K. Prasad	Part Time		Study of Trip rate using Statistical Analysis & Artificial Neural Network & Development of Nomograms
6	Uday Chander D	Prof. C.S.R.K. Prasad	Part Time		LVR
7	G. Rajamouli	Prof. N.V Uma Mahesh	Part Time		Watershed
8	P.V. Koteswara Rao	Dr. P. Hari Krishna	Part Time		Soil characteristics
9	V Naveen Reddy P	Prof. N.V. Uma Mahesh	Institute	Yes	Impact of Climate Change on Water Resources of Pennar River Basin, India
10	Anil Modinpuroju	Prof. CSRK Prasad	Institute	Yes	Planning and evaluation of rural road network using GIS
11	Syed Mubashir hussain	Dr. Venkaiah Chowdary	Institute	Yes	Permanent deformation characteristics of dense bituminous mixtures
12	M. Sri Rama Chand	Dr. P. Rathish Kumar	Institute	Yes	Performance and Microstructure characteristics of Self Curing Self Compacting Concrete
13	Jew Das	Prof.N.V. Uma mahesh	Institute	Yes	Hydrological modeling and uncertainty analysis to assess the impact of climate change on a river basin
14	Utsav Vishal	Dr. Venkaiah Chowdary	Institute	Yes	Evaluation of Moisture Induced Damage in Bituminous Mixtures
15	P.S. Naga Ratna Giri	Prof. G. Rajesh Kumar	Institute	Yes	Constitutive Behaviour of Tie Confined Self Curing Self Compacting Concrete
16	G. Mallikarjuna Rao	Dr. T.D. Gunneswara Rao	Institute	Yes	Strength and Durability Characteristics of Fly ash and GGBS based Geopolymer Concrete
17	Sudheer Kumar Y	Dr. P. Hari Krishna	Institute	Yes	Evaluation of locally available geo-materials for their suitability as Landfill Liner
18	K. Mahaboob Peera	Prof. CSRK Prasad	Institute	Yes	Accident Prediction Modeling For Urban Roads
19	P. Naga Sowjanya	Dr. K. Venkata Reddy Dr. M. Shashi	Institute	Yes	Climate change impact on water resources of a river basin using the integrated frame work of climate change models with hydrological models
20	D. Abhigna	Dr. KVR Ravi Shankar	Institute	Yes	Capacity analysis of uncontrolled intersections under mixed traffic conditions
21	S. Rakesh	Dr. P. Rathish Kumar	Institute	Yes	A Study on the bond characteristics of recycled aggregate based self compacting concrete

22	K. Praveen	Dr. S. Venkateswara Rao	Institute	Yes	A Study on Shear Behaviour of Steel Fiber reinforced Recycled aggregate based Self Compacting Concrete
23	D. Harinder	Dr. S. Shankar	Institute	Yes	Reinforcement of weak Subgrade soil using the coir Geotextile for Low-Volume Roads
24	T. Arjun Kumar	Dr. Venkaiah Chowdary	Institute	Yes	Aging Characteristics of Bitumen Binder and Mixture
25	K.J.N. Sai Nitesh	Dr. S. Venkateswara Rao	Institute	Yes	A study on Torsioinal 130emicell of steel fiber reinforced recycled aggregate based self compacting concrete
26	V.V. Praveen Kumar	Dr. D. Ravi Prasad	Institute	Yes	A study on strength and durability characteristics of influence of ternary mixes based lime sludge concrete
27	Rangari Vinay Ashok	Prof.NV.Uma Mahesh Dr. Ajey Kumar Patel	Institute	NA	Hydrologic Modeling of Urban Floods
28	Ch. Rama Vara Prasad	Dr. P. Hari Prasad Reddy	Institute	Yes	Micromechanistic Investigation on Volume Change Behavior of Soils Contaminated with Acids
29	Kamineni Aditya	Dr. Venkaiah Chowdary	Institute	Yes	Traffic Noise Modeling
30	Prashanth Shekar L	Prof. C.S.R.K. Prasad	Institute	Yes	Transit Oriented Development
31	Jammula Jaya Krishna	Dr. KVR Ravi Shankar	Institute	Yes	Travel time estimation and optimization of intersection delay by signal coordination
32	Hanuma Kasagani	Prof. C.B. Kameswara Rao	Institute	Yes	Strength and Deformation of Graded Glass Fiber Reinforced Concrete
33	Srikanth Koniki	Dr. D. Ravi Prasad	Institute	Yes	A Study on low volume Hybrid fiber reinforced concrete.
34	T. Chaitanya Sri Krishna	Dr. T.D. Gunneswara Rao	Institute	Yes	A study on mix design of alkali activated slag concrete using particle packing theory.
35	Noolu Venkatesh	Dr. M. Heera Lal Dr. Rakesh J Pillai	Institute	Yes	Granular material charcterzations and its influence stress in pavement layers
36	S. Srikanth	Dr. Arpan Mehar	Institute	Yes	Traffic flow 130emicell and simulation analysis of multilane highways under mixed traffic conditions
37	Harsha Praneeth Pavani	Dr. T.P. Tezeswi Dr. K. Gopi Krishna	Institute	Yes	Micro-structure based multi-scale thermo-mechanical characteristics of reinforced concretw
38	M. Venu	Dr. T.D. Gunneswara Rao	Institute	Yes	Tie-confinement aspects of Fly ash and GGBS based Geopolymer concrete
39	Eswar Sala	Dr. KVR Ravi Shankar	Institute	Yes	Pedestrian Behaviour Modelling on Level Changing Facilities in Railway Terminals
40	P. Sirisha	Dr. K. Venkata Reddy	Part Time	0	Real-time Watershed Modelling System
41	GTL Priyanka	Dr. T.P. Tezeswi	Institute	Yes	Mechanical Characterization of 3D Printed PLA Material
42	M. Srikanth	Prof.G.Rajesh Kumar	Part Time		HSC
43	Dasari Karthik	Prof. C.B. Kameswara Rao	Institute	Yes	Estimating Construction Labour Output by Measurement of Physical Factors using Scientific Methods
44	Poojari Yugendar	Dr. K.V.R Ravi Shankar	Institute	Yes	Crowd 130emicell 130emicell and emergency evacuation planning
45	S.R.R Teja Prathipati	Prof. C.B Kameswara Rao	Institute	Yes	A study on strength and toughness of graded(hybrid) steel fiber reinforced concrete.
46	Bhavita Chowdary	Dr. Rakesh J. Pillai Dr. V. Ramana Murthy	Institute	Yes	A study on scrap tyre rubber-expansive soil mix as a cushion material to mitigate the swelling in expansive soils
47	P. Lakshmi Sruthi	Dr. P. Hari Prasad Reddy	Institute	Yes	Temperature Studies on alkali contaminated kaolinitic soils- Microlevel Study
48	A. Uday Kumar	Prof. K.V. Jayakumar	Institute	Yes	Assessment of Environmental flow for Krishna River
49	B. Raja Rajeshwari	Dr. M.V.N. Siva Kumar	Institute	Yes	Rheological and fracture 130emicell of fiber reinforced self compacting concrete
50	Mohammad Muzzaffar Khan	Dr. G. Kalyan Kumar	Institute	Yes	Seismic hazard assessment for Low Seismic Regions
51	V.S.J. Yeswanth Paluri	Dr. M. Heeralal Dr. P. Rathish Kumar	Institute	Yes	Study on Use of Recycled Materials in Concrete Pavement Slabs
52	Praveen Oggu	Dr. K. Gopi Krishna	Institute	Yes	Multi-hazard Performance Evaluation of Building Structures
53	Gulivindala Pallavi	Dr. Arpan Mehar	Institute	Yes	Capacity Analysis of multilane divided urban roads at mid-block sections under mixed traffic conditions

54	M.J. Sukhesh	Dr. P. Venkateswara Rao	DST/SERB	Yes	Investigating the effect of co-digestion on anaerobic digestion of organic wastes
55	L. Narayan Reddy	Prof. K.V. Jayakumar Dr. K. Yella Reddy	Part Time		Benchmark Performance of Irrigation Project and Measures for improving water use efficiency
56	Dang Dong Nguyen	Prof.K.V. Jayakumar	ICCR	7000	Flood frequency analysis under climate change context
57	B. Aneesha Satya	Dr. M. Shashi Prof. Deva Pratap	Institute	Yes	Urban Planning
58	K. Sreelatha	Prof. P. Anand Raj	Institute	Yes	Frequency analysis
59	B. Murali Krishna	Dr. T.P. Tezeswi	Institute	Yes	Structural Health Monitoring Using DIC
60	K. Sagar Mariya Raju	Dr. S. Shankar	Institute	Yes	Application of concrete block pavements for rural roads
61	M. Sudhakar	Dr. M. Heeralal Dr. G. Kalyan Kumar	Institute	Yes	Performance study of MSE walls built with marginal soil and pond ash with recycled aggregate gabion facing
62	V. Kiran Kumar	Dr. K. Gopi Krishna	Institute	Yes	Non-Linear Dynamic Analysis of R.C Buildings
63	K.L. Ramani	Prof. N.V.Uma mahesh	Part Time	Yes	
64	Sri Lakshmi Sesha Vani Jayanthi	Dr. K. Venkata Reddy	Institute	Yes	Decision Support System for Climate Change Adaptation of Chain Tank Systems of Semi-Arid Region
65	K.S. Radhika	Dr. D. Ravi Prasad	Institute	Yes	Structural health monitoring
66	Kurre Sai Sahitya	Prof. CSRK Prasad	Institute	Yes	An urban road network analysis with optimization modelling
67	Yarramsetty Subbarao	Prof. P. Anand Raj Dr. MVN Sivakumar	Institute	Yes	Application of Fuzzy based system in estimation of Service life of buildings.
68	Arukala Suchith Reddy	Prof. P. Anand Raj Dr. P. Rathish Kumar	Institute	Yes	Developing a Decision Making model for selecting sustainable construction material using fuzzy approach
69	Seenu P.Z.	Prof.. K. V.Jayakumar	Institute	Yes	Urban flood and Climate change
70	Ramakanth Angatha	Dr. Arpan Mehar	Institute	Yes	Air quality monitoring using vehicular emission 131emicell in urban areas
71	Kavin Kumar, C	Dr. Rakesh J. Pillai	Institute	Yes	Numerical modeling of landslide runout
72	Selvetikar Ashok	Prof. M. Chandra Shekar	Institute	Yes	Air Quality Management and Modeling
73	Le Thi Hoa Binh	Prof.N.V. Umamahesh Dr.E.Venkata Rathnam	ICCR	7000	Extreme value analysis
74	Devarajan, K	Dr. Ajey Kumar Patel	DST/SERB	Yes	Studies on Hydrodynamics of Circular Surface Aeration Tanks
75	V. Ramana Kollipara	Dr. T.D. Gunneswara Rao	Institute	Yes	Behaviour Plated Connections Under Torsional Loading
76	Swarna Swetha Kolaventi	Dr. MVN Sivakumar Dr. T.P.Tezeswi	Institute	Yes	Decision analysis in construction waste 131emicellul using sem and game theory
77	Kumarapu Kumar	Dr. M. Shashi Dr. K. Venkata reddy	Institute	Yes	UAV in Civil engineering applications
78	Gugulothu Vikas	Dr. T.D. Gunneswara Rao	Institute	Yes	Study on Geopolymer Concrete Under Shear Loading
79	Shyamsunder Pindi	Prof. K.V.Jayakumar	Part Time		Project management on demand based delivery for improved water use efficiency

Electrical Engineering Department

A. Completed

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	B.R.K.Varma	Prof..D.V.S.S.Siva Sarma	Part-time	No	Digital Protection Algorithms for EHV Teed and Multiterminal Transmission Circuits
2	N.Rama Devi	Prof..D.V.S.S.Siva Sarma	Part-time	No	Fault Diagnosis Schemes for three phase induction motor
3	Sharad Kumar	Prof. N. Vishwanathan and Prof. B. K. Murthy	Part-time	No	Controllers for induction heating
4	Mr. D. Vijay Bhaskar	Prof. N.Vishwanathan	Part-time (only Viva to be done)	No	Inverter Configurations for Induction Cooking Applications

5	B. Vijay Kumar	Dr. N.V. Srikanth	Full Time	Yes	Enhancement of power system stability with optimal locations and sizing of FACTS in AC-DC Systems.
6	P. Srinivasan	Dr. N.V. Srikanth, B. L. Narashimha Raju	Part-time Faculty of EED NITW	No	Voltage Source inverter topologies and controls for an open end winding Induction Motor
7	Y. Chandrasekhar	Prof. Sydulu, Dr. M. Sailaja Kumari	FT/PT		Multi-objective optimal placement of DGs in distribution system
8	M Murali	Dr. M. Sailaja Kumari Prof. Sydulu	FT	Institute fellow	Transmission pricing in restructured power systems
9	D.Rakesh Chandra	Dr. M. Sailaja Kumari Prof. Sydulu	FT	Institute fellow	Wind power Integration studies
10	B.Durga Harikiran	Dr. M. Sailaja Kumari	FT (Viva Scheduled)	Institute fellow	Ancillary service management in restructured power systems
11	Ch. Ramulu	Dr. Sachin Jain	Defended	NA	A Study of Single-Stage PhotoVoltaic (PV) Source Fed Induction Motor Drive for Water Pumping Applications

Working

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	Mr. B. Kiran Babu	Prof. M.Sydulu	Full-Time	Institute	----
2	Ms. Kayalvizhi	Prof. D.M. Vinod Kumar	Full-Time	Institute	Optimal Plnning of Distributed Generations in Distribution Network and Load Frequency Control of Microgrid using Meta-Heuristic Algorithms
3	Sachidananda Prasad	Prof. D.M. Vinod Kumar	Full-Time	Institute	Distribution System State Estimation
4	Srikant Srivasta	1. Dr. Prasiddha Nath Dwivedi , Scientist 'E', RCI, Hyderabad 2. Prof. D.M. Vinod Kumar	Part-time	NA	Intelligent Controllers
5	OVSR Varaprasad	Prof. D.V.S.S.Siva Sarma	Full-Time	Institute fellowship	Analysis and Mitigation of harmonics in industrial systems
6	M. Pujitha	Prof. D.V.S.S.Siva Sarma	Full-Time	Institute fellowship	Studies on Renewable Energy Integration
7	D. Hariprasad	Prof. D.V.S.S.Siva Sarma	Part-time	Visweswaraiah Fellowship from MHRD	Big data applications in power systems
8	T Praveen kumar	1. Prof. N Subrahmanyam, 2. Prof. M Sydulu	Part-time	NONE	Not submitted
9	Hema Sundara Rao	Prof. Bhagwan K. Murthy	Full-Time	Institute	Area: Wind Energy
10	D. Mounika	1. Prof. N. Vishwanathan 2. Dr. S. Porpandiselvi	Full-Time	Institute	Control Techniques for DC/DC and AC/DC LED Lighting Systems
11	Suresh Lakhimsetty	Prof. V.T. Somasekhar	Full-Time	Institute Fellowship	Development of Improvised SVPWM strategies for a 4-level Open-End Winding Induction Motor Drive
12	A. Anil Kumar	Dr. N. V. Srikanth	Full-Time	yes	Artificial Intelligent based frequency control of power systems with renewable penetrations
13	B. Laxman	Dr. N V Srikanth	Full-Time	yes	Applications of AI techniques in power systems
14	Mr. M. Vishnu Prasad	Dr. S. Srinivasa Rao	Full-Time	MHRD	DTC/PTC of Induction motor drives
15	Mr. B. Anil Kumar	Dr. S. Srinivasa Rao	Full-Time	MHRD	PQ issues and Remedial measures in Grid Tied Solar Photo Voltaic Systems
16	V Venkataramana	Dr. Ch Venkaiah	Full-Time	Institute Fellowship	Yet to Finalize
17	M Santhosh	Dr. Ch Venkaiah	Full-Time	Institute Fellowship	Yet to Finalize
18	Ch. Madhu Kishore	Dr. M.Sailaja Kumari	Full-Time	Institute fellow	Synchrophasor applications

19	Niveditha .S	1. Dr. B.Nagu & 2. Prof. M.Sydulu	Full-Time	Vishveshwa raiah	---
20	Ch. Kasi Ramakrishna Reddy	1. Dr. S. Porpandiselvi 2. Dr. N. Vishwanathan	Full-Time	Institute	Development of Converter configurations for LED lighting application
21	V. K. Satyakar	1. Dr. S. Porpandiselvi 2. Dr. B L Narasimharaju	Full-Time	Institute	Bi-directional converters
22	K. Narender Reddy	Dr. P. Srinivasan	Full-Time	Institute	----
23	C. Srinivasa Rathnam	1. Dr. Chandrasekhar Yammani 2. Prof. M.Sydulu	Full-Time	Institute Fellowship	Optimal scheduling of micro sources for reliability enhancement in microgrids
24	Battapothula Gurappa	1. Dr. Chandrasekhar Yammani 2. Prof. M.Sydulu	Full-Time	Institute Fellowship	Distribution system State Estimation using micro PMUs
25	Meka Kalyan Chakravarthi	1. Dr. A.V.Giridhar and 2. Prof. D.V.S.S. Siva Sarma	Full-Time	MHRD	Condition monitoring of Power transformers
26	Krishna Kumar Rai (Scientist-DRDO)	1. Dr. D. R. Jahagirdar 2. Dr. A.V.Giridhar	Part-time	-	Directed Energy Systems
27	N V Phanendrababu	1. Dr. P Suresh Babu 2. Prof. Siva Sarma	Full-Time	Institute	
28	Saptarshi Roy	Dr. P Suresh Babu	Full-Time	Institute	
29	Jerry Joseph (715016)	Dr. Udaya Bhasker M	Full-Time	Institute Fellowship	Introduction of super capacitors and digital control techniques for RES using bi-directional converters (tentatively).
30	Ramsha K.	1. Dr. Sachin Jain 2. Prof. V.T. Somasekhar	Full-Time	TA	
31	S. Venu	Dr. Sachin Jain	Full-Time	TA	
32	Vijay Babu K	1. Dr. Narasimharaju B L 2. Prof. D. M Vinod Kumar	Full-Time	MHRD	Performance Investigation On Switched Reluctance Machine Control In Off-Grid Applications
33	U. Ramanjeneya Reddy	Dr. Narasimharaju B L	Full-Time	MHRD	Improved Driver Circuits For LED Lighting Applications
34	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
35	Mr. Tirupathi Abhilash	1. Dr. A. Kirubakaran 2. Dr. V.T. Somasekhar	Full-Time	Institute	Investigation on Hybrid Multilevel Inverter Topologies
36	Mr. Sateesh Kumar	1. Dr. A. Kirubakaran 2. Prof. N. Subrah-manyam	Full-Time	Institute	Design of efficient inverter circuits for PV applications
37	Hareesh Myneni	Dr. G Siva Kumar	Full-Time	Institute Fellowship	Power Quality improvement by DSTATCOM
38	Alladi Pranay Kumar	1. Dr. G Siva Kumar 2. Dr. D. Sreenivasa Rao	Full-Time	Institute Fellowship	Control algorithms to enhance power quality by DSTATCOM
39	Praveen Kumar	Dr. T. Vinay Kumar	Full-Time	Institute	-
40	Ravi Eswar	Dr. T. Vinay Kumar	Full-Time	Institute	-
41	G Mahanandeswara Goud	1. Dr. D. Sreenivasa Rao 2. Dr.P Chandrasekhar	Full-Time	MHRD	Working on PV with multilevel inverters
42	V Hari Priya	1. Dr. D. Sreenivasa Rao 2. Dr. G Siva Kumar	Full-Time	MHRD	Working on PWM techniques for reduced switch count inverters
43	Ratna Rahul Tupakula	Dr. P. Chandrasekhar	Full-Time	MHRD	Intelligent control of Single Phase Grid Connected Inverters
44	S. Ram Kumar	1. Dr.P.Chandrasekhar 2. Dr.D.Sreenivasarao	Full-Time	MHRD	Smart DC Microgrid Systems

Mechanical Engineering Department

Completed

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1.	Dr.CH. Shashikanth, (PhD Awarded on 25th August, 2016)	Dr. M J Davidson	Full Time	Sponsored	experimental and simulation studies on thixo-forming of aa 2017 alloy
2.	Mr.UmaMaheswara Rao	Prof..K.V.Sai Srinadh, Dr.V.Vasu	FULL TIME	MHRD	Influence of thermo mechanical treatment and laser surfacing on SCC behavior of 7075Al alloy.
3.	S.Srinivas	Prof.N.Selvaraj Prof.CSP.Rao	Part time	…..	Distribution System(PDS): A Case study in Warangal District
4.	V.Jeevan	Prof.CSP.Rao Prof.N.Selvaraj	Full time	Institute	Development, characterization and wear studies of Al6082 and Al-12 Si MMCs
5.	C.Neelimadevi	Prof.N.Selvaraj	Part time	……	Development of AA2014 and AA2219 Metal matrix nano composites and evaluation of their mechanical and tribological characteristics
6.	N.Vishnumurthy	Prof.CSP.Rao Prof.N.Selvaraj	Full time	Institute	
7.	A.Manmadhachary	Dr. Y. Ravi Kumar Prof. L. Krishnanand	Full-time	Institute	Investigation and correction of Errors in various stages to develop the prosthesis for Oral and Maxillofacial surgery using Rapid Prototyping

B. Working

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1.	K Nagendera Prasad		Full time		
2.	Nikhil M Thoppil	Prof. CSP Rao	Full time		
3.	R Tharmaraj		Full time		
4.	Minugu Om Prakash	Dr.Gujjala.Raghavendra	Full time	DST	
5.	Jatoth Mohan		Full time		
6.	Sanjaya Kumar Sahoo		Part time		
7.	M Raghavendra Rao		Part time		
8.	T Ramalingam		Part time		
9.	E Anusha	Dr.A. Kumar	Part time		
10.	B Penchala Rao	Dr. Y. Ravi kumar	Part time		
11.	Brundaban Patro	K.Kirankumar D.Jayakrishna	Full time		
12.	Borgaonkar Avinash Vitthal	Dr.Syed Ismail	Full time		
13.	Dondeti Venkata Siva Reddy		Full time		
14.	Kotikala Rajasekhar		Full time		
15.	Kattela Siva Prasad	Prof. S.Srinivas Rao V.R.K Rao	Full time		
16.	Abeyram M Nithin		Full time		
17.	Manoj Panchal	Dr.Gujjala Raghavendra	Full time		
18.	B. Venkatesh		Full time		
19.	Sarita Prasad	Prof. A. Neela kanteswararao	Full time		
20.	KethavathKranthi Kumar		Full time		
21.	Sankepally Chandrasekhar		Full time		
22.	Gawale Ganesh Rupchand	Dr. G.Nagasrinivasulu	Full time		
23.	Balijepalli Ramakrishna	Dr. Chandra mohan	Full time		

24.	Thota Markandeyulu	Dr. D.Jaya Krishna	Full time		
25.	Ankathi Raju	Dr. A. Veereshbabu	Part time		
26.	Dilikeswar Das		Part time		
27.	Surjeet Kumar Sinha		Part time		
28.	M Ashok Kumar	Prof..P.Bangarubabu	Part time		
29.	sjoy Kumar Dolui		Part time		
30.	P. Pratap Naidu	Dr. . Raghavendra	Full time		
31.	Y. Siva Kumar Reddy	Karthik.B	Full time		
32.	Syam Kumar Chokka	Dr. B.Satish Ben	Full time		
33.	Goka Madhavulu		Part time		
34.	A. Venkata Ramana		Part time		
35.	Surendra Mohan Srivastava	Prof. N.Selvaraj	Part time		
36.	Lokesh Srivastava	Prof. L. Krishnanand	Part time		
37.	Nagendra Babu Samineni		Part time		
38.	Ambadas		Part time		
39.	Valaparla Ranjith Kumar		Full time		
40.	SV. Sai Sudheer	Dr. K.Kiran Kumar Dr. Karthik Balasubramanian	Full time		
41.	Suresh Gudipudi	Dr. S. Kanmanisubbu	Full time		
42.	Chakala Naresh		Full time		
43.	V.V.M.J. SateeshChembuly	Dr. V.Hari Kumar	Full time		
44.	K. Jaganmohan Reddy	Prof. L. Krishnanand & Prof. A. Neelakantes wara Rao	Full time		
45.	Abhay Bhanudas Lingayat	Dr. V.P. Chandramohan Dr. V. Rajesh Khana Raju	Full time		
46.	Pagidi Madhukar	Prof. N.Selvaraj	Full time		
47.	Murali Krishna Boni	Prof. L. Krishnanand & Prof. A. Neelakantes wara Rao	Full time		
48.	T. Manoj Kumar Dundi		Full time		
49.	M.VinodBabu		Full time		
50.	Gollapudi Arun Manohar	Dr. V.Vasu	Visveswar ayya		
51.	P.V.G. Brahmanandam	Prof. K.Madhumurthy	Part time		
52.	Jai Krishna Mishra	Prof. CSP Rao	Part time		
53.	Narendra Kumar Shrivastava		Part time		
54.	Ganesh Segoji Warkhade		QIP		
55.	P. Gurabvaiah		Full time		
56.	D.T.Sarat Chandra Babu		Full time		
57.	SrinuGugulothu		Full time		
58.	M. Kameswara Reddy		Full time		
59.	U.Vinay Kumar		Full time		
60.	P. Venkateswara Babu	Dr.Syed Ismail and Dr.B. Satish Ben	Full time		
61.	B.Srinivasa Reddy		Full time		
62.	T.Narasimha Suri		Full time		
63.	M.Santosh Kumar		Full time		
64.	R.Yogananda Reddy		Part time		
65.	L. Viswanadham		Part time		
66.	P.Sunitha		Part time		
67.	S.V.B. Vivekanand		Full time		

68.	A. Prasad Reddy		Full time		
69.	Ravichandra. D		Full time		
70.	Mulayamrut shrikant	Dr.Syed Ismail and Dr. Satish Ben	Full time		
71.	R. Seetharam		Full time		
72.	V. PhanindraBogu		Full time		
73.	K.V. Koteswara Rao		Full time		
74.	Z. Shanti Kiran		Full time		
75.	Uma Maheswara Rao G		Full time		
76.	KattamanchiManoj		Part time		
77.	J.A. RangaBabu	Dr. K. Kiran kumar	Full time		
78.	K Ganesh Babu	Dr. A veereshbabu	Full time		
79.	K Vijaya Kumar	Dr. A veereshbabu	Full time		
80.	M. Vijaya Kumar	Dr. A veereshbabu	Full time		
81.	V Venkateswarlu	Dr. G.NagaSeinivasulu	Full time		
82.	G Venkatesh	Dr. Y . Ravi Kumar	Full time		
83.	Kiran Kumar Dama	Dr. V.Sureshbabu	Full time		
84.	K Viswanath Allamraju	Dr. K. Srikanth	Full time		
85.	T Gopala Rao	Dr. P.Subash Chandra Bose	Full time		
86.	S Muthu Kumar	Dr. P.Subash Chandra Bose	Part time		
87.	G.Prabhakara Rao	Prof. S.Srinivas Rao	Full time		
88.	B.RameshBabu	Dr. K.Kiran Kumar	Full time		
89.	V.SrinivasaRohit	Prof. A.Venugopal	Full time		
90.	M.Krishna Kishore	Dr. A .Kumar	Full time		
91.	G.Sangamesh	Dr. V.Harikumar	Full time		
92.	PuneetChandran	Prof. A.Venugopal	Part time		
93.	N Siva Kumar	Dr. V.Vasu	Full time		
94.	T.Mallikarjuna Rao	Prof. S.Srinivas Rao	Part time		
95.	Unnam Koteswara Rao	Dr., G.Naga Sriinivasulu	Part time		
96.	Mandale Maruti Bhagwan	Prof. P.BangaruBabu	Part time		
97.	BanuPavan		Part time		
98.	Rama Krishna Varanasi	Prof. P.BangaruBabu	Part time		
99.	Jagadisan Krishna Moorthy		Part time		
100.	P.Anil Kumar	Prof. P.BangaruBabu	Part time		
101.	Kishore Kumar	Prof. CSP Rao	Part time		

Electronics and Communiocation Engineering Department

A. Completed

S. No.	Scholars	Guide(s)	Fulltime / Parttime	Fellowship	Thesis Title
1	Mr. Suresh Alapati	Dr. P Sri Hari Rao	Fulltime	Institute	
2	Mr. Shravan Kumar Bandari	Dr. VV Mani	Fulltime	Institute	
3	Mr. Pandavala Akhendra Kumar	Dr. N Bheema Rao	Fulltime	Institute	
4	Mr. Sudeep Surendran	Dr. T. Kishore Kumar	Fulltime	Institute	
5	Mr. N. Prasad	Dr. T. Kishore Kumar	Fulltime	Institute	
6	V Sandeep Kumar	Dr.S.Anuradha	Fulltime	Institute	
7	Sai Krishna Kondoju	Dr. VV Mani	Fulltime	Institute	
8	V.Sunny Dayal	Dr. T. Kishore Kumar	Fulltime	Institute	Some Investigations on probabilistic approaches for Speech enhancement
9	Nagesh Deevi	Dr. N Bheema Rao	Fulltime	Institute	
10	Sri Amara Prakasa Rao	Prof NVSN Sarma	Part-time		
11	Sri P. Muralidhar	Dr. C.B. Rama Rao	Part-time		
12	Sri Doddamani Govinda Rao	Dr. T. Kishore Kumar	Part-time		

B. Working

S. No.	Scholars	Guide(s)	Fulltime / Parttime	Fellowship	Thesis Title
1	Hathiram Nenavath	Dr. Ravi Kumar Jatoth	Fulltime	Institute	
2	B. Roshan Mukind Rao	Dr. T.V.K. HanumanthaRao	Fulltime	Institute	
3	Shiva Prasad	Dr. C.B. Rama Rao	Fulltime	Institute	
4	K SriramTeja	Dr. S. Anuradha	Fulltime	Institute	
5	M A Mushahhid Majeed	Dr.SreehariRao	Fulltime	Visvesvaraya scheme	
6	B Surekha Reddy	Dr. T. Kishore Kumar	Fulltime	Visvesvaraya scheme	
7	S. SubbaRao	Dr. N Bheema Rao	Fulltime	Institute	
8	V.Santosh Kumar	Dr.T.V.K. Hanumantha Rao	Fulltime	Institute	
9	Ashok Agarwal	Dr. B Lakshmi	Fulltime	Institute	
10	Suresh Alapati	Dr. P Sri Hari Rao	Fulltime	Institute	
11	D.Pavan Kumar	Dr. P Sri Hari Rao	Fulltime	Institute	
12	P. Rakesh	Dr. T Kishore Kumar	Fulltime	Institute	
13	Rahul Singha	Dr. D Vakula	Fulltime	Institute	
14	S.Ellison Mathe	Dr. B Lakshmi	Fulltime	Institute	
15	Suman N	Prof NVSN Sarma	Fulltime	Institute	
16	Sravan Kumar	Dr. VV Mani	Fulltime	Institute	
17	M. Ranjeeth	Dr. S Anuradha	Fulltime	Institute	
18	D.Kiran	Dr. L Anjaneyulu	Fulltime	Institute	
19	Sudeep Surendran	Dr. T. Kishore Kumar	Fulltime	Institute	
20	Mudasir Bashir	Dr.P Sreehari Rao	Fulltime	Institute	
21	N. Prasad	Dr. T. Kishore Kumar	Fulltime	Institute	
22	Ravi Bolimera	Dr. T. Kishore Kumar	Fulltime	Visvesvaraya scheme	
23	R Sahoo	Dr. D Vakula	Fulltime	Institute	
24	R Sashank	Dr. N Bheema Rao	Fulltime	Institute	
25	B Pranitha	Dr. L Anjaneyulu	Fulltime	Institute	
26	R. Swetha	Dr. L Anjaneyulu	Fulltime	Institute	
27	Siva Prasad Valluri	Dr. VV Mani	Fulltime	Institute	
28	Suseela Vappangi	Dr. VV Mani	Fulltime	Institute	
29	Kishore Kumar Ingle	Dr. Ravi Kumar Jatoth	Fulltime	Institute	
30	Jail Singh Bookya	Dr. Ravi Kumar Jatoth	Fulltime	Institute	
31	Sunil Kumat Tumma	Dr. N Bheema Rao	Fulltime	Institute	
32	P. Siva Ramakrishna	Dr. B Lakshmi	Fulltime	Institute	
33	D. Srikar	Dr. S Anuradha	Fulltime	Institute	
34	Pradeep Kumar Goud N	Dr. B Lakshmi	Fulltime	Institute	
35	Y.V Koteswara Rao	Dr. C.B. Rama Rao	Fulltime	Institute	
36	S.Siva Priyanka (JRF)	Dr. T. Kishore Kumar	Fulltime	Institute	
37	Pawar Atul Govindrao	Dr. VV Mani	Part-time	No Fellowship	
38	Hara Prasad RV	Dr. D Vakula	Part-time		
39	Smt. V. Rama	Dr. C.B. Rama Rao	Part-time		
40	Sri K. Sarangam	Prof. K.S.R. Krishna Prasad	Part-time		
41	Smt. P. Prithvi	Dr. T. Kishore Kumar	Part-time		
42	Sri Arun Kumar	Dr. L Anjaneyulu	Part-time		
43	Sri KVB Vasantha Rayudu	Prof. K.S.R. Krishna Prasad	Part-time		
44	V. Revathi	Prof NVSN Sarma	Part-time		
45	Rakesh Kumar Singh	Prof NVSN Sarma	Part-time		
46	L.A.V. Sanhith Rao	Dr.P Sreehari Rao	Part-time		
47	C. Sai Ram	Dr. D Vakula	Part-time		
48	P. Perayya Sastry	Dr. T. Kishore Kumar	Part-time		
49	P. Hari Krishna Prasad	Dr. L Anjaneyulu	Part-time		
50	S.S.S.B.S. Subba Rao	Dr. Ravi Kumar Jatoth	Part-time		
51	R. Srinivasan	Dr. B Lakshmi	Part-time		
52	Mr. B. Murali	Dr. N Bheema Rao	Part-time		
53	Mr. Kamati Sudarsan Reddy	Dr. B Lakshmi	Part-time		
54	D. Mallikarjuna Reddy	Dr. S Anuradha	Part-time		

55	Terkar anil Nasinharao	Dr. N Bheema Rao	Part-time		
56	M V K S Prasad	Dr.P Sreehari Rao	Part-time		
57	Ravindra Kumar Niranjan	Dr. C.B. Rama Rao	Part-time		
58	Kanike Sreenivasulu	Dr. T.V.K. Hanumantha Rao	Part-time		

Department of Metallurgical and Materials Engineering

A. Completed

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	Mr. Ravi Naik Banoth	Prof. 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 Kumar	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	Dr.N.Narasaiah	Part-time	-	Development and characterization of Aluminium based Metal Matrix Composites
2	Mr. P. Rambabu	Prof. M. K. Mohan	Part-time	-	Forging Technologies for fabrication of Aluminium Alloy AA2014 Airframe section
3	Mr. Vibhuti Roshan	Prof. 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	Prof. T. Srinivasa Rao & Dr. B.S. Murty	Part-time	-	Synthesis and characterization of Aluminium based nanocomposites
5	Mr. K. N. B. Kumar	Dr. C. Vanitha	Full-time	Institute	Development of Texture and Micro-structure during the deformation and welding of Magnesium based alloys
6	Ms. Umme Thahira Khatoon	Prof. G. V. S. Nageswara Rao and Prof. M. K. Mohan	Full-time	Institute	Synthesis of copper, gold and silver nano-particles by chemical precipitation
7	Ms. V.Sony priya	Dr.N. Narasaiah	Full-time	Institute	Effect of titanium on mechanical behaviour of 11-10 ph precipitation138emicell steel
8	Mr. Hanuma Reddy Tiyyagura	Prof. M. K. Mohan	Full-time	Institute	Corrosion Fatigue and Cracking Behaviour of modified 9Cr-1Mo steel
9	Ms. Suman Kumari	Prof. M. K. Mohan	Full-time	Institute	Surface modification of titanium and titanium alloys for biomedical applications
10	Ms. Pakki Tejassvi	Dr. Tata N. Rao and Prof. M.K. Mohan	Part-time	-	Fabrication of electrospunnanofibers for lithium ion battery application
11	Mr. Menuga Ananda Rao	Dr. N. Narasaiah	Part-time	-	Failure analysis of power plant components
12	Ms. Papiya Biswas	Prof. M. K. Mohan	Part-time	-	Fabrication of complex shapes of transparent magnesium aluminate spinel by different routes and comparative evaluation of their physio-chemical, thermo-mechanical and optical properties.
13	Mr. Bheekiya Naik	Dr. R. Arockia Kumar	Full time	Institute	Development of Cu based SMA
14	Mr. Sai Mahesh	Dr. Asit Kumar Khanra	Full time	Institute	Deformation behavior of powder metallurgy components
15	Mr. K. Venkateswara Reddy	Dr. R. Arockia Kumar	Fulltime	Institute	Development of Cu-Sn SMAs

16	Mr. S. Sivakumar	Dr. G. Brahma Raju	Full time	Institute	Al Alloy Composites
17	Mr. Sivakumar Khaple	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	Prof. G. V.S. Nageswara Rao	Part-time	-	Effect of alloy chemistry and thermomechanical processing on mechanical properties of tungsten heavy alloys
19	Prakash	Prof. G. V. S. Nageswara Rao	Full-time	Institute	Creep studies on Thermomechanical processed RAFM steel
20	Mr. Shaik Mahammad Ali	Dr. G. Brahma Raju	Full time	Institute	Cu based composites
21	Mr. C. Ravikanth Reddy	Dr. B. Srinivasa Rao	Full time	Institute	Development of Mg-alloys
22	Mr. A. Sambasiva Rao	Dr. M.K. Mohan and Dr. A.K. Singh, DMRL	Part-time	-	Characterization of W-heavy Alloys
23	Mr. Venkat	Dr. Ajoy Kumar Pandey Dr. Sarabjit Singh, DMRL	Part-time	-	Slip casting of ceramics
24	Mr. Bejugama Shiva	Dr. Ajoy Kumar Pandey	Full time	Institute	Bioceramics
25	Mr. Vemoori Raju	Dr. Asit Kumar Khanra Dr. Roy Johnson, ARCI	Full time	Institute	Powder Metallurgy
26	Mr. Katti Bharath	Dr. Asit Kumar Khanra Dr. M. J. Davisdson, ME	Full time	Institute	Macro fabrication
27	K Venkata Ashish Srivatsav	Dr. B. Srinivasa Rao	Full time	Institute	
28	T Sravan	Dr. G. Brahma Raju and Dr. V.V. Bhanu Prasad, DMRL	Full time	DST-SERB	Development of ZrB_2-SiC-Si_3N_4 ceramic composites for high temperature applications
29	Yaralagadda Madhavi	Dr. N. Narasaiah	Part time		MAO coatings
30	Bhav Singh	Dr. R. Arockia Kumar Dr. V. Madhu (External)	Part time		High nitrogen stainless steels
31	Adigilli Harish Kumar	Dr. Ajoy Kumar Pandey	Part time		
32	Shaik Mubina	Dr. Asit Kumar Khanra	Part time		
33	B Anant Sagar Devabatini	Dr. N. Narasaiah Dr. M. Sai Krishna Rao	Part time		
34	Rajib Lochan Sethi	Dr. B. Srinivasa Rao Dr. Govind Singh (NMDC)	Part time		
35	Balaji Padya	Dr.N.Narasaiah Dr.P.K.Jain (ARCI)	Part time		
36	M.B. Venkat Rao	Dr.N.Narasaiah Dr. A.Syamsundar (VSP)	Part time		Seismic resistant steels
37	Neelam Naga Sruthi	Prof.. G.V.S. Nageswara Rao Dr. Amit Bhattacharjee (DMRL)	Part time		
38	Kommineni Geethasree	Dr. Brahma Raju Golla Dr. V. V. Satya Prasad (DMRL)	Part time		Nb based alloys for high temperature applications
39	Patamsetti S D R S Sailaja	Dr. R. Arockia Kumar Dr. Adiraj Srinivas (DMRL)	Part time		Thin film

Chemical Engineering Department

A. Completed

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	B. Vivekanandan	Dr. A. Seshagiri Rao	Full time	Institute	Studies on applications of process systems engineering tools for waste water treatment plants
2	B. Sujan Kumar	Dr. A. VenuVinod	Full time	Institute	Comparative Studies of Characteristics of Fluidized, Spouted and Spout-Fluid Beds
3	Ritesh Ramesh Palkar	Dr. S. Vidyasagar Dr. P. V. Suresh	Full time	Institute	Modelling and simulation of hydrodynamics of liquid solid circulating fluidized bed

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	YogendraSasidhar	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. VenuVinod	Full time	Institute	Heat Transfer enhancement studies using non-Newtonian nanofluids
5	Patil Harshal Somnath	Dr. A. VenuVinod	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	Institute	Process intensification of
7	Shabana Sheik	Dr. Shirish H. Sonawane	Full time	Institute	
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	Fuel Cells
10	UdayBagale	Dr. Shirish H. Sonawane	Full time	DRDO-JRF	
11	P. Rajesh Kumar	Dr. Shirish H. Sonawane	Full time	DIT-JRF	Fuel Cells
12	M. Yadagiri	Dr. Shirish H. Sonawane	Full time	Institute	
13	Divi. Srinivas	Dr. Shirish H. Sonawane	Full time	Institute	Fuel cells control
14	D. Naresh Yadav	Dr. K. Anand Kishore	Full time	Institute	working on Waste water treatment
15	D. Kishore	Dr. K. Anand Kishore	Full time	Institute	Process Controls
16	S. Chandra Shekhar	Dr. K. Anand Kishore	Part time		fluidized bed membrane reformer for Hydrogen Production
17	Sarath Kumar Meka	Dr. K. AnandKishore	Full time	Institute	waste water treatment
18	P. D. Chandra Sai	Dr. K. Anand Kishore	Part time		membrane separations
19	P.Thirumalbai	Dr. S. Srinath	Fulltime	Institute	ODH of ethane to ethylene
20	D.Sushmitha	Dr. S. Srinath	Fulltime	Institute	Fractionation of lignocellulosic biomass for production of biofuels
21	G. Maruthi Prasad	Dr. A Seshagiri Rao	Full time	Institute	Multimodel controller design
22	Purushottama Rao Dasari	Dr. A SeshagiriRao	Full time	Institute	Development of multi model based control schemes for nonlinear time delay systems
23	Dorca Chandrika Polamuri	Dr. T Sunil Kumar	Fulltime	Institute	Heat transfer in granular media
24	Liyakhath Ahmed Shaik	Dr. T Sunil Kumar	Fulltime	NRB Project	Simulation of corrosion
25	Ameer Khan Patan	Dr. T Sunil Kumar	Fulltime	Institute	Reactive distillation for biodiesel production
26	Abdulla Sheikh	Dr. P.V. Suresh	Full time	Institute	Studies on PEM Fuel Cells
27	Surywanshi Gajanan Dattarao	Dr. P.V. Suresh	Full time	SERB Project	Theoretical and Experimental Studies on Chemical Looping Combustion of Indian Coal
28	Rayalla Ranganayakulu	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	G. Sreenivas Kumar	Dr. P. V. Suresh	Part time		Removal of nitrates from industrial waste water
32	Basant Kumar Pillai	Dr. A. Sarath Babu Dr. V. Ramsagar	Full time	Institute	Exergy analysis
33	T. Vijay Kumar	Dr. T. Sunil Kumar	Full time	Institute	Plate type heat exchangers
34	Shalini	Prof. Y. Pydi Setty	Full time	Institute	
35	E. Chandra Mohan Goud	Dr. A. Seshagiri Rao	Full time	Institute	Process control
36	G. Radhika	Dr. G. Uday Bhaskar Babu	Full time	Institute	Process control
37	Sheik Abdul Gaffar	Dr. S. Murali Mohan Dr. A. Seshagiri Rao	Full time	Institute	Control of waste water treatment plants
38	Ramakanth Gadhewal	Dr. A. Venu Vinod	Full time	Institute	Fuel cells
39	P. Narasimha	Dr. Shirish H Sonawane	Full time	Institute	Fuel cells
40	Adsal Swapnil Hanmanth		Full time	Institute	
41	K Raju	Dr. S. Srinath	Full time	Institute	
42	H. Upender	Dr. K. Anand Kishore	Full time	Institute	

Department of Computer Science And Engineering

A. Completed

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1.	Srilatha Chebrolu	Prof. S. G. Sanjeevi	Fulltime	TCS	Attribute Reduction using Rough Sets, Boolean Reasoning and Evolutionary Algorithms
2.	V Sree Kumar	Prof. DVLN Somayajulu	Part time	-	Study and Modelling of Design Strategies for Software System Performance Improvement
3.	Tene Ramakrishnudu	Dr. RBV Subramanyam	Part time	-	Some studies on Frequent and Interesting Infrequent Itemsets : Centralized and Distributed Approaches. Awarded

B. Working

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	Vishnu Vardhan	Prof. T. Ramesh	Part Time		
2	Ramesh Karnati	Dr. RBV Subramanyam	Full Time		
3	Ramchandranaya K. N Yadawad	Dr. RBV Subramanyam	Part Time	-	
4	Fathimabi Shaik	Dr. RBV Subramanyam	Full Time	Institute Fellowship	
5	Anil Pinapati	Dr. R. Padmavathy	Full Time	Institute Fellowship	
6	R Phani Bhushan	Prof. DVLN Somayajulu	Part Time	-	
7	Sandipan Maiti	Dr. RBV Subramanyam	Full Time	Institute Fellowship	
8	P.Lalitha Kumari	Prof. S. G. Sanjeevi	Part Time	-	
9	Sai Krishna M	Dr. Rashmi Ranjan Rout	Full Time	Institute Fellowship	
10	A Sudarshan Chakravarthy	Dr Chapram Sudhakar & Prof T Ramesh	Full Time	Institute Fellowship	
11	Lavanya Madhuri Bollipo	Dr. K. V. Kadambari	Fulltime	Institute Fellowship	
12	T Preethi	Prof. B. B. Amberker	Fulltime	Institute Fellowship	
13	Abhilash M H	Prof. B. B. Amberker	Fulltime	Institute Fellowship	
14	S Sathya-narayanan	Dr. K. Ramesh	Full Time	Institute Fellowship	
15	G Spoorthy	Prof. S. G. Sanjeevi	Full Time	Institute Fellowship	

16	Kanaparthi Suresh Kumar	Dr.U.S.N.Raju	Full Time	Rajeev Gandhi National Fellowship	
17	K. Chaitanya	Prof. DVLN Somayajulu	*Part time*	-	
18	Saleti Sumalatha	Dr. RBV Subramanyam	Full Time	Institute Fellowship	
19	Vandana Babu T	Dr. Raju Nayak Bhukya	Full Time		
20	K Govinda Rao	Dr. Rashmi Ranjan Rout	Full Time	Institute Fellowship	
21	Pavan Kumar Jakkepalli	Dr. P. Venkata Subba Reddy	Full Time	Institute Fellowship	
22	Somesula Manoj Kumar	Prof.DVLN Somayajulu & Dr.Rashmi Ranjan Rout	Full Time	Institute Fellowship	
23	D. Mallikarjun Reddy	Dr Chapram Sudhakar& Prof V.N. Sastry (IDRBT)	Full Time	IDRBT	
24	Hemkumar D	Prof. DVLN Somayajulu & Dr. S. Ravi Chandra	Full Time	Visvesvaraya PhD Scheme	
25	N. Satya Krishna		IDRBT-full time	IDRBT	
26	R.Praneetha Sree	Prof. DVLN Somayajulu	Full Time	Institute Fellowship	
27	Vinay Raj	Dr. S. Ravi Chandra	Full Time	Institute Fellowship	
28	Greeshma L	Dr. Rashmi Ranjan Rout &Prof.DVLN Somayajulu	Full Time	Institute Fellowship	
29	B Satish Babu	Dr. R. Padmavathy	Full Time	Institute Fellowship	
30	Avinash Potluri	Dr. RBV Subramanyam and Dr.Nagesh Bhattu S	IDRBT-full time	IDRBT	
31	Amdewar Godavari Ramlu	Dr. Ch. Sudhakar	Full Time	Institute Fellowship	
32	Gudeme Jaya Rao	Dr. P. Syam Kuma & Dr. K. Ramesh	IDRBT-full time	IDRBT	
33	Chakradhar Padamutham	Dr. P. Venkata Subba Reddy	Full Time	Institute Fellowship	
34	Mahesh Kumar Morampudi	Dr.U.S.N.Raju	Full Time	IDRBT	

Biotechnology

A. Completed

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

B. Working

S. No.	Scholars	Guide(s)	Full time / Part-time	Fellowship	Thesis Title
1.	P. Manasa	Dr. K. Narasimhulu	Fulltime	Institute fellowship	Bioethanol Production from Cellulosic Biomass using Immobilized Yeast Cells
2.	Paramjeet Saroj	Dr. K. Narasimhulu	Fulltime	Institute fellowship	Production of Beta-Glucosidase by thermophilic fungus and its application in bioethanol production
3.	B.Bhaskar	Dr. P.Sreenivasa Rao	Fulltime	Institute fellowship	Designing And Assessment Of A Dynamic Perfusion Bioreactor For Polymer Guided Bone Regeneration By Using Mesenchymal Stem Cells
4.	K.Santosh	Dr. P.Sreenivasa Rao	Fulltime	Institute fellowship	Umbilical cord blood Mesenchymal stem cells as a novel cell source for the treatment of Limbal stem cell deficiency (LSCD)
5.	Mayuri Bhatia	Dr. R. Satish Babu	Fulltime	Institute fellowship	Heavy metal removal from water using nanoparticle embeded in biosorbents
6.	E.Rajeswara Reddy	Dr. R. Satish Babu	Fulltime	Institute fellowship	Production, Purification and Characterization of L-Asparaginase from Enterobacter aerogenes KCTC 2190

7.	Madhuri	Dr. R. Satish Babu	Fulltime	Institute fellowship	Isolation,production and purification of L-Asparaginase from Endophytic Microorganisms
8.	Aditya Velidandi	Dr. Rama Raju.B	Fulltime	Institute fellowship	Development and Optimization of pretreatment technologies for reducing sugars production form biomass for biofuel applications
9.	R. Kowshik	Dr. V. Kohila	Full time	Institute fellowship	inflammatory & cytotoxic effects of a novel fusion suicide gene bCDS126R- hGST on rheumatoid arthritis
10.	Sumithra. B	Dr. Asim Bikas Das	Fulltime	Institute fellowship	Role of Splicing factors in cancer (Tentative)
11.	VSPK Sankara Aditya	Dr. Urmila Saxena	Fulltime	Institute Fellowship	Study on cancer biomarkers to design biosensor
12.	M. Nirupama	Dr. Amitava Bandhu	Fulltime	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	Fulltime	Institute fellowship	Tentative title: Isolation, characterization and optimization of of lignase production
15.	Swetha Raj	Dr. Prakash Saudagar			studies on Leishmania MAPK
16.	P.Chandra Sai	Dr.R.Satish Babu	Full Time	Institute Fellowship	Process development for cellulose acetate based nanoporous membranes for arsenic and fluoride removal
17.	M.Siva Shankar	Dr.P.Sreenivasa Rao	Full time	Institute Fellowship	"Onion membrane based scaffold as a potential application of bone in tissue engineering" The progress
18.	Mr.Prdeep Kumar G	Dr. Rama Raju.B	Full time	Institute Fellowship	Tentative: Improvement of hemicellulose utilization of yeast for bioethanol production.
19.	Mrs.Dipanwita Maity	Dr. Amitava Bandhu		SERB project	Studies on the operator DNA binding mechanism of Mce1R of Mycobacterium tuberculosis H37Rv
20.	Mr. Shanthanu	Dr. Prakash Saudagra	Full time	Institute Fellowship	Tentative Studies on *Leishmania* MAPK

Department of Mathematics:

A. Completed

S. No.	Scholars	Guide(s)	Full time/ Part-time	Fellowship	Thesis Title
1	N. Santosh	Prof. G. Radha krishnamacharya	Full Time	Institute	Two Layer model for Non-Newtonian fluid flows through narrow tubes
2	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
3	P. Vijay Kumar,	D. Srinivasacharya	Full Time	Institute	Convection over an Inclined Wavy Surface in a Nanofluid Saturated Porous Medium medium
4	G. Madhava Rao	D. Srinivasacharya	Full Time	QIP	Flow of Physiological Fluids through a Bifurcated Artery

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 Fellowship	Numerical solution of Differential Equations by Finite Element Method with B-splines
2	T.Govinda Rao	Prof. J V Ramana Murthy	Part time	--	Resonance type flows
3	Pavan Kumar Reddy	Prof. J V Ramana Murthy	Full Time	QIP	Flow in rectangular channels
4	K. Hima Bindu	Dr.D.Srinivasacharya	Full time	Institute Fellowship	Entropy analysis in convective heat and mass transfer
5	Md. Shafeurrahaman,	Dr.D.Srinivasacharya	Full Time	QIP	Hall and ionslip effects on the flows in nanofluids
6	P. Jagadeeshwar	Dr.D.Srinivasacharya	Full time	Institute Fellowship	Convection over exponentially stretching sheet

7	I. Srinath	Dr.D.Srinivasacharya	Full time	Institute Fellowship	Convective heat and mass transfer
8	M. Varun Kumar	Dr. P. Muthu	Full Time	Institute Fellowship	Fluid flow in non-uniform tubes
9	Pujitha Vanacharla	Dr. P. Muthu	Full Time	Institute Fellowship	Mathematical Models in biomechanics
10	G. Venkata Suman	Dr J Pranitha	Full Time	DST Inspire	Convective Heat and Mass Transfer in porous media saturated with Power Law Fluid
11	V. Narayana	Dr. Hari Ponnamma Rani	Full Time	QIP	Turbulence analysis in Square Cavity
12	K. Naresh	Dr. Hari Ponnamma Rani	Full Time	Institute Fellowship	
13	NV Koteswara Rao	Dr. A Benerji Babu	Full Time	Institute Fellowship	
14	G Shiva Kumar Reddy	Dr. A Benerji Babu	Full Time	DST Project	
15	J. Sarath Kumar Reddy	Dr. D. Bhargavi	Fulltime	Institute Fellowship	Fluid flow and Heat Transfer in Channels partially filled with Porous Medium
16	M Adilaxmi	Dr. D. Bhargavi	Full Time	Institute Fellowship	Solving Singularly Perturbed Two Point Boundary Value Problems
17	K. Appi Reddy	Dr. T. Kurmayya	Full Time	Institute Fellowship	Splittings of Matrices and nonnegative generalized inverses
18	T. Pradeepa	Dr.Ch. Ram Reddy	Full Time	Institute Fellowship	Convective transport in fluid flow problems
19	Ch. Venkata Rao	Dr.Ch. Ram Reddy	Full Time	Institute Fellowship	Numerical/analytical solutions of some problems on convection in fluid flows
20	Padigepati Naveen	Dr.Ch. Ram Reddy	Full Time	Under CSIR Project	Numerical treatment of convective transport in non-Newtonian fluids

Department of Physics

A. Completed

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

B. Working

S. No.	Scholars	Guide(s)	Full time / Parttime	Fellowship	Thesis Title
1	V.Himamaheswara Rao	Dr. P. Syam Prasad	Full Time	NITW Fellowship	Bio-glasses
2	S. Raj Kumar	Dr. P. Abdul Azeem	Full Time	DST	Synthesis and characterization of borosilicate glasses and their ceramics for medical applications
3	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
4	C. Hari Krishna	Dr. Sourabh Roy	Fulltime	NITW Fellowship	Analysis of Twisted fiber
5	Mohan Babu	Dr. P. Syam Prasad	Fulltime	NITW Fellowship	Bio-Glasses
6	T. Ramesh	Prof. L. Ramgopal Reddy	Part-time	ARCI-JRF (Chennai)	Super-Capacitors
7	P. M. Pratheeksha	Dr. D. Paul Joseph	Part-time	ARCI-JRF (Hyderabad) (under Nano-Mission Project)	'Li' ion Batteries
8	G. Laxminarayana	Prof.M.Sai Shankar	Part-time	RCI, Hyderabad	
9	M. Gopala Krishna Murthy	Dr. D. Dinakar	Part-time	RCI, Hyderabad	
10	G. Mahender Kumar	Prof. M. Sai Shankar	Part-time	RCI, Hyderabad	
11	N. Shara Sowmya	Dr.K.Venugopal Reddy	Part-time	DMRL, Hyderabad	Magnetic Materials
12	D. Gnaneswar	Dr. K. Thangaraju	Fulltime	SERB-YSS Project	OLED's
13	Rama Rajan	Dr. K. Thangaraju	Fulltime	NIT-W Fellowship	Materials Science
14	Lal Singh	Dr. Kusum Kumari	Fulltime	NIT-W Fellowship	Organic Photovoltaics

15	K. Uma Devi	Dr. V. Jayalakshmi	Part-time	DMRL, Hyderabad	Magnetic Materials
16	A. Kishore Kumar	Prof. R.L.N.Sai Prasad	Part-time	BHEL, Pune	Digital Holography
17	A. Sravanthi	Prof. R. L. N. Sai Prasad	Fulltime	NIT-W Fellowship	Structural Health Monitoring
18	T. Susneha	Prof. S.V.S. Ramana Reddy Dr.T.Venkatappa Rao	Fulltime	NIT-W Fellowship	Bio-degradable polymer
19	Ashish Kumar	Dr.T.Venkatappa Rao	Fulltime	BRNS Funded Peoject	Bio-degradable polymer
20	M. Shiva Prasad	Dr. B. Sobha	Part-time	ARCI-JRF (Hyderabad)	Solar Thermal
21	L. Umachandi	Dr. Sourabh Roy	Part-time	ELICO, Hyderabad	
22	M. Nagaraju	Prof. L. R. G. Reddy & Dr. Kusum Kumari	Fulltime	NIT-W Fellowship	Super-capacitors
23	P. Srinath	Dr. K. Venugopal Reddy	Fulltime	NIT-W Fellowship	

Department of Chemistry

A. Completed

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1.	G. Srinivasa Rao	Prof. A. Rama chandraiah	Full Time	Institute Fellowship	Spectral, Electrochemical, Single Crystal XRD and Molecular Modeling Studies of Azomethine and Dihydro- azomethine Compounds of Supramolecular Significance
2	M. Satyanarayana	Dr. K.V. Gobi	Full time	Institute Scholar	Development of carbon nanotube based hybrid nanocomposites as sensing platform for electrochemical detection of pharmaceutical drugs of intensive care monitoring
3	P. Sreenu	Prof.V. Rajeswar Rao	Full time	CSIR-JRF Project	Synthesis and anti-angiogenesis activity of new sulphur heterocyclic compounds derived from coumarins 2016
4	R. Rajkumar	Prof.V. Rajeswar Rao	Full time	UGC-JRF	Synthesis of novel heterocyclic systems based on multi-component approach 2016
5	V. Krishnaiah	Prof.V. RajeswarRao	Full time	UGC-JRF	Synthesis,characterization and biological activity studies of nitrogen and sulphur heterocyclic compounds 2017
6.	A. Rajini	Dr. N.Venkatathri	Full time	Institute	Development of Novel metal containing aminophosphates for catalytic and biological applications
7.	M. Nooka Raju	Dr.N.Venkatathri (Co-supervisor) Prof.I.A.K.Reddy (Supervisor)	Full time	Institute	Synthesis, Characterization and catalytic applications of redox and acid functionalized mesoporous silica
8	T. Surendar	Dr. Vishnu Shanker	Fulltime	DST Project/Institute	Synthesis and Characterization of Highly Efficient Nanostructured Materials for Photocatalytic Applications under Sunlight Irradiation

B. Working:

S. No.	Scholars	Guide (s)	Fulltime / Part-time	Fellowship	Thesis Title
1.	Ashutosh Kumar Yadav	Prof. A. Rama chandraiah	Full time	Institute Fellowship	Spectral, Electrochemical and Molecular Modelling Investigation of Biphenyl Bridged Azomethine Derivative and Its Metal Complexes
2.	N. Manjula	Prof.A.Rama chandraiah &Dr.R.Balaji ARCI, Chennai	Full time	ARCI Fellowship	Hydrogen gas generation by PEM-based Aqueous Methanol Electrolysis
3.	B. Divya	Prof. A. Rama chandraiah & Dr. Sarada, ARCI, Hyderabad	Full time	ARCI Fellowship	Materials for Fuel Cells

4.	Ajmeera Ramesh	Prof. A. Rama chandraiah	Part time	Nil	Supramolecular Coordination Chemistry
5.	T Dhananjaya Rao	Prof. A. Rama chandraiah	Full time	Institute Fellowship	Metal-Drug Interaction through Chirality
6.	A. Varun	Prof. V. Rajeswar Rao	Full time	UGC-JRF	Synthesis of new heterocyclic compounds based on MCR approach
7.	M. Srikanth	Prof. V. Rajeswar Rao	Full time	Institute Scholar	Synthesis of new N and S heterocyclic compounds using MC Reactions
8.	J. Parameshwara Chary	Prof. V. Rajeswar Rao	Full time	Institute Scholar	Synthesis of new S heterocyclic compounds using MC Reactions
9.	K. Sujatha	Prof. V. Rajeswar Rao	Full time	Institute Scholar	Synthesis of heterocyclic compounds using MC reactions
10.	B. Mayuri	Prof. K. Laxma Reddy	Full Time	Institute Fellowship	Synthesis and Characterization of Metal Complexes of Schiff Bases
11.	K. Ramaiah	Prof. K. Laxma Reddy	Full Time	Institute Fellowship	Synthesis, Characterization and Biological Applications of Metal Complexes of Schiff Bases
12.	G. Rama Rao	Prof. K. Laxma Reddy	Part Time	-	Preparation and Characterization of Nanoclay Modified Carbon Fibre Reinforced Polymer Composites
13.	K. Yugender Goud	Dr. K. V. Gobi, Co-Guide: Prof. B. V. Appa Rao	Thesis submitted	DRDO, GoI / Euphrates	Electrochemical Sensors for Explosives and Warfare Reagents
14.	V. Sunil Kumar	Dr. K. V. Gobi	Full time	Institute	Nanocomposites as Electrocatalytic Materials in Fuel Cells
15.	S. Manasa	Dr. K.V. Gobi. External: Dr. R. Subasri, ARCI	Part-time	External	Corrosion analysis and control of Aluminium aeroalloys
16.	K. Shekher	Dr. K. V. Gobi	Full-time	Institute	Electrochemical Sensors of On-line Flow injection analysis of Pharmaceuticals.
17.	A. Ajay Kumar	Dr. N. Venkatathri	Full time	Institute	Synthesis, characterization and photocatalytic applications of novel mesoporous titanosilicate hybrid nanocomposite catalyst.
18.	C. Suman	Dr. N. Venkatathri	Full time	Institute	Synthesis, characterization,Catalytic, Cosmetic, Drug delivery and Biological applications of multivalent metal containing mesoporous molecular sieves, MCM-41, SBA-15, Core shell, KIT-6 and TUD-1.
19.	S. Siliveri	Dr. N. Venkatathri	Full time	DST-SERB, New Delhi	Studies on Promoter Induced Rapid Non-Aqueous media synthesis of efficient and eco-friendly SAPO-35 catalyst for methanol to olefin reaction
20.	G. Srinath	Dr. N. Venkatathri	Full time	DST – Inspire, New Delhi	Synthesis, Characterization and Photocatalytic applications of novel multifunctional mesoporous nancomposite catalyst.
21.	S. Nagaraju	Dr. D. Kashinath	Fulltime	UGC	Development of Synthetic methods using homogeneous catalyst
22.	B. Paplal	Dr. D. Kashinath	Fulltime	Institute	Development of Synthetic methods using heterogeneous catalyst
23.	N. Sathyanarayana	Dr. D. Kashinath	Fulltime	Project	Development of Synthetic methods
24.	K. Sathish	Dr. D. Kashinath	Fulltime	DST (INSPIRE)	Design and Development of chiral catalysts for C-H activation
25.	N. V. Bharat	Dr. B. Srinivas	Fulltime	Institute Fellowship	Synthesis of novel hetereocyclicspiro compounds
26.	Vinay Pogaku	Dr. B. Srinivas	Fulltime	Institute Fellowship	Synthesis and biological evaluation of pyrazoloazitidinone derivatives.
27.	A. Bhargava Sai	Dr. B. Srinivas	Fulltime	Institute Fellowship	Investigation of Novel Synthetic routes the synthesis of Spiropyrrolizidines
28.	Thunga Sanjeeva	Dr. K. Hari Prasad	Full Time	Institute fellowship	Synthesis and Applications of new glycosidase inhibitors
29.	A. Naveen Kumar	Dr. K. Hari Prasad	Full Time	Project fellowship	Synthesis of novel Biologically active heterocycles.
28.	Posala Soumy	Dr. K. Hari Prasad	Full Time	Institute fellowship	Synthesis of novel Biologically active heterocycles.

Department of Humanities and Social Sciences:

A. Completed – Nil

B. Working

S. No.	Scholars	Guide(s)	Full time / Part-time	Fellowship	Thesis Title
1.	Jaipal	Dr. M. Raja Vishwanathan	Fulltime	No	Developing oral communication strategies to solve lexical difficulties of disadvantaged learners of engineering at the undergraduate level in select colleges of Telangana state.
2	Sufiya Naheed	Dr. M. Raja Vishwanathan	Full time	No	Bilingualism as an alternative method in ELT : An exploratory study
3.	Jismy K Joseph	Dr. M. Raja Vishwanathan	Fulltime	Yes; UGC-JRF fellowship	The researcher is working on the fiction of Richard Powers- an American novelist.
4	Vijay Kumar	Dr. K. Madhavi	Full Time	No	Web based Technology: A Catalyst for Enhancing Oral and Written Communication Skills in B-Tech Students of RGUKT,AP IIT'S

School of Management:

A. Completed

S. No.	Scholars	Guide(s)	Fulltime / Part-time	Fellowship	Thesis Title
1	T.Rahul	Dr.Ritanjali Majhi	Full-Time	Completed	Development of soft computing tools for prediction of customer satisfaction, loyalty and churching in telecom sector.
2	T.Nagasai Kumar	Dr.M.Ravindar Reddy	Part-Time	Completed	Determinant Attributes of store brands in Indian retailing.
3	P.Prema Latha	Dr.P.Ramlal	Full-Time	Submitted	Organisational culture and its impact on employee engagement.A study of RINL Visakapatnam.

B. Working

S. No.	Scholars	Guide(s)	Full time / Part-time	Fellowship	Thesis Title
1	Venugopal	Dr.M.Ravinder Reddy	About to submit	Institute Scholar	Share holder wealth maximization
2	Vikas Bhatnagar	Dr.Ritanjali Majhi	Full-Time		
3	Nandini	Dr.M.Ravindar Reddy	Full-Time		
4	R.Mohan	Dr.K.Padma	Part-Time	Teaching Faculty	
5	N. Durga Prasad	Dr. G. Sunitha	Full-Time	Institute Scholar	
6	M.D. Shafi	Dr.M.Ravindar Reddy	Full-Time	UGC Scholar	
7	Saleh Ahmed Mazumdar	Dr. P. Ramlal	Full-Time	Institute Scholar	
8	Habeeb Syed	Dr. K. Francis Sudhakar	Full-Time	Institute Scholar	
9	P. Swamy	Dr. K. Padma	Full-Time	Institute Scholar	
10	B. Jhansi Rani	Dr. G. Sunitha	Full-Time	Institute Scholar	
11	G. Siva Sree	Dr. P. Ramlal	Full-Time	Institute Scholar	
12	K. Madhu Kishore	Dr. S.L. Tulasi Devi	Full-Time	Institute Scholar	

7.2 Details of the candidates admitted into Ph.D. from 01.07.2016 to 30.06.2017

Sl. No.	Name of the Scholar	Roll No.	Department
1	Sri Lakshmi Sesha Vani Jayanthi	716101	Civil Engineering
2	K.S. Radhika	716102	Civil Engineering
3	Kurre Sai Sahitya	716103	Civil Engineering
4	Yarramsetty Subba Rao	716104	Civil Engineering
5	Arukala Suchith Reddy	716105	Civil Engineering
6	Seenu. P.Z.	716106	Civil Engineering
7	Ramakanth Angatha	716107	Civil Engineering
8	Kavin Kumar C	716108	Civil Engineering
9	Selvetikar Ashok	716109	Civil Engineering
10	Le Thi Hoa Binh	716110	Civil Engineering
11	Devarajan. K	716111	Civil Engineering
12	Hemasundara Rao Kolla	716112	Electrical Engg.
13	Yelamarthi.Bhaskar.S.S.Gupta	716113	Electrical Engg.
14	S. Ram Kumar	716114	Electrical Engg.
15	Battapothula Gurappa	716117	Electrical Engg.
16	Kuncham Sateesh Kumar	716118	Electrical Engg.
17	V K Satyakar Veeramallu	716119	Electrical Engg.
18	Srikant Srivastava	716120	Electrical Engg.
19	Krishna Kumar Rai	716121	Electrical Engg.
20	BrundabanPatro	716122	Mech. Engg.
21	Borgaonkar Avinash Vitthal	716123	Mech. Engg.
22	DondetiVenkata Siva Reddy	716124	Mech. Engg.
23	Kotikala Rajasekhar	716125	Mech. Engg.
24	Kattela Siva Prasad	716126	Mech. Engg.
25	Abeyram M Nithin	716127	Mech. Engg.
26	Manoj Panchal	716128	Mech. Engg.
27	B.Venkatesh	716129	Mech. Engg.
28	Sarita Prasad	716130	Mech. Engg.
29	Kethavath Kranthi Kumar	716131	Mech. Engg.
30	Sankepally Chandrasekhar	716132	Mech. Engg.
31	Gawale Ganesh Rupchand	716133	Mech. Engg.
32	Balijepalli Ramakrishna	716134	Mech. Engg.
33	Thota Markandeyulu	716135	Mech. Engg.
34	Ankathi Raju	716136	Mech. Engg.
35	Dilikeswar Das	716137	Mech. Engg.
36	Surjeet Kumar Sinha	716138	Mech. Engg.
37	M. Ashok Kumar	716139	Mech. Engg.
38	Sujoy Kumar Dolui	716140	Mech. Engg.
39	Ravikanti Swetha	716141	E.C.E.
40	Siva Prasad Valluri	716142	E.C.E.
41	Suseela Vappangi	716143	E.C.E.
42	KishorKisan Ingle	716144	E.C.E.
43	JailSingh Bhookya	716146	E.C.E.
44	AtulPawar	716147	E.C.E.
45	R.V. Hara Prasad	716148	E.C.E.
46	Kondapalli Venkata Ashish Srivastsav	716149	Met. & Mat. Engg.
47	Thimmappa Sravan Kumar	716153	Met. & Mat. Engg.
48	Yarlagadda Madhavi	716154	Met. & Mat. Engg.
49	B. Bhav Singh	716155	Met. & Mat. Engg.
50	Adigilli Harish Kumar	716156	Met. & Mat. Engg.

51	ShaikMubina	716157	Met. & Mat. Engg.
52	B. AnantSagar Devabatini	716158	Met. & Mat. Engg.
53	Rajib Lochan Sethi	716159	Met. & Mat. Engg.
54	Shalini	716160	Chemical Engg.
55	Ediga Chandramohan Goud	716162	Chemical Engg.
56	Radhika Gandu	716163	Chemical Engg.
57	Sheik Abdul Gaffar	716164	Chemical Engg.
58	Ramakant Gadhewal	716165	Chemical Engg.
59	Basant Kumar Pillai	716166	Chemical Engg.
60	P Narasimha	716167	Chemical Engg.
61	Swapnil Hanmant Adsul	716168	Chemical Engg.
62	P. Chandra Sekhar	716169	Chemical Engg.
63	Keerthi Sanghamitra Kollipara	716170	Chemical Engg.
64	Rayanoothala Praneetha Sree	716172	CSE
65	Vinay Raj	716173	CSE
66	Greeshma. L	716174	CSE
67	Amdewar Godavari Ramlu	716175	CSE
68	B Satish Babu	716177	CSE
69	Gudeme Jaya Rao	716178	CSE
70	Avinash Potluri	716179	CSE
71	Vishnuvardhan Mannava	716180	CSE
72	Pradeep Kumar Gandam	716181	Biotechnology
73	Santanu Sasidharan	716182	Biotechnology
74	Sivasankar. M	716183	Biotechnology
75	Koragoni Naresh	716184	Mathematics
76	Pavan Kumar Reddy M	716185	Mathematics
77	Adilaxmi Madireddy	716186	Mathematics
78	Macherla Nagaraju	716187	Physics
79	Palakurthy Srinath	716188	Physics
80	Ravula Venkatesh	716189	Chemistry
81	Thandra Dhananjay Rao	716190	Chemistry
82	Chedupaka Raju	716191	Chemistry
83	S Suresh	716192	Chemistry
84	Golla Rama Rao	716193	Chemistry
85	Seelam Rangaswamy Reddy	716194	Chemistry
86	Garimidi Siva Sree	716195	SOM
87	Kamakula Madhu Kishore Raghunath	716196	SOM
88	Narsimha Murty Indrakanti	716197	SOM
89	Jismy K.Joseph	716198	H & SS
90	V. Ramana Kollipara	701601	CED
91	Swarna Swetha Kolaventi	701602	CED
92	Kumarapu Kumar	701603	CED
93	Gugulothu Vikas	701604	CED
94	Shyamsunder Pindi	701605	CED
95	K.M. Ravi Eswar	701606	EED
96	Kedika Narender Reddy	701607	EED
97	Sivadanam Niveditha	701608	EED
98	Chejarla Madhu Kishore	701609	EED
99	Bhukya Laxman	701610	EED
100	Harminder Singh Johar	701611	EED
101	K. Nagendra Prasad	701612	MED
102	Nikhil M Thoppil	701613	MED
103	R. Tharmaraj	701614	MED
104	Minugu Om Prakash	701615	MED

105	Jatoth Mohan	701616	MED
106	Sanjaya Kumar Sahoo	701617	MED
107	M. Raghavendra Rao	701618	MED
108	T. Ramalingam	701619	MED
109	E Anusha	701620	MED
110	Bathala Penchala Rao	701621	MED
111	Sunil Kumar.T	701622	E.C.E.
112	Siva Ramakrishna.P	701623	E.C.E.
113	Balaji Padya	701625	MMED
114	Mandalika Bhaskara	701626	MMED
115	Naga Sruthi Neelam	701627	MMED
116	Kommineni Geethasree	701628	MMED
117	Pattamsetti SDRS Sailaja	701629	MMED
118	Kalakuntala Raju	701630	ChED
119	H. Upender	701631	ChED
120	G. Sreenivas Kumar	701632	ChED
121	Chakradhar Padamutham	701633	CSE
122	Morampudi Mahesh Kumar	701634	CSE
123	Dipanwita Maity	701636	Biotech.
124	G. Shiva Kumar Reddy	701638	Maths
125	Nerella Manjula	701639	Physics
126	Vadapalli Durga Rama Pavan	701640	Physics
127	Allaka Bhargava Sai	701641	Chemistry
128	Naveen Kumar Anugu	701642	Chemistry
129	G. Srinath	701644	Chemistry

7.3 Details of the Ph.Ds awarded from 1.4.2016 to 31.3.2017

Sl. No.	Name	Department	Thesis Title	Supervisor(s)
1.	Sudha Rani Donepudi	Electrical Engineering	Multi-Objective Approaches for Optimal Distribution Network Reconfiguration, Capacitor and DG Placement	Prof. N. Subrahmanyam Prof. M. Sydulu
2	Papani Sharathkumar	Electrical Engineering	High Frequency Resonant Inverters for Multiple-Load Induction Cooking Application	Prof. N. Vishwanathan Prof. Bhagwan K. Murthy
3	Santhosh Nallapu	Mathematics	Two Layer Model for Non-Newtonian Fluid Flows Through Narrow Tubes	Prof. G. Radha Krishnamacharya
4	Murahari Kolli	Mechanical Engineering	Effect of Surfactant and Powder Addition in Dielectric Fluid on EDM of Titanium Alloy	Dr. A. Kumar
5	S. Mallishwar Reddy	Mathematics	Numerical Solution of Higher Order Boundary Value Problems by Petrov-Galerkin Method with Different Orders of B-Splines	Prof. K.N.S. Kasi Viswanadham
6	Maddina Sreenivasarao	Mechanical Engineering	Development of Modified Cuckoo Search Algorithm to Optimize WEDM Process and Prediction of Geometrical Errors and Surface Integrity While Machining Nickel Based Super Alloys	Dr. N. Venkaiah
7	Sujankumar B	Chemical Engineering	Comparative Studies of Characteristics of Fluidized, Spouted and Spout-Fluid Beds	Dr. A. Venu Vinod
8	Gudipati Srinivasa Rao	Chemistry	Spectral, Electrochemical, Single Crystal XRD and Molecular Modeling Studies of Azomethine and Dihydroazomethine Compounds of Supramolecular Significance	Prof. A. Rama Chandraiah
9	Bhalke Daulappa Guranna	E.C.E	Automatic Musical Instruments Classification Using Signal Processing Techniques	Dr. C.B. Rama Rao
10	Chebrolu Srilatha	C.S.E	Attribute Reduction Using Rough Sets, Boolean Reasoning and Evolutionary Algorithms	Prof. S.G. Sanjeevi
11	Dongari Rakesh Chandra	Electrical Engineering	Wind Integration Studies in Power Systems: Forecasting, Stability and Load Management Issues	Dr. M. Sailaja Kumari Prof. M. Sydulu
12	Bhookya Nagu	Electrical Engineering	Enhancement of AC-DC System Stability Using Artificial Intelligence Based HVDC Controllers	Prof. M. Sydulu
13	S. Srinivas	Mechanical Engineering	Digital Public Distribution System (DPDS): A Case Study in Warangal District	Prof. N. Selvaraj
14	Venkata Reddy Mamidi	Physics	Experimental Studies on High-Temperature Measurement Using Fiber Bragg Grating Sensors	Dr. T. Venkatappa Rao
15	Ugandar Reddy I	Chemistry	Development and Validation of Chromatographic Methods for Selected Drugs and Intermediates by HPLC and UPLC	Prof. P. Nageswara Rao
16	Ch Shashikanth	Mechanical Engineering	Experimental and Simulation Studies on Thixo-Forming of AA 2017 Alloy	Dr. M.J. Davidson
17	Bathula Siva Kumar Reddy	E.C.E	Performance Improvement Techniques for WiMAX Systems	Dr. B. Lakshmi
18	Rama Sanjeeva Reddy B	E.C.E	Some Investigations on Multi Function Antennas	Dr. D. Vakula
19	P. Vijay Kumar	Mathematics	Convection Over an Inclined Wavy Surface in a Nanofluid saturated porous medium	Dr. D. Srinivasa Charya
20	Satyanarayana. M	Chemistry	Development of Carbon Nanotube based hybrid Nanocomposites as Sensing Platform for Electrochemical Detection of Pharmaceutical Drugs of Intensive Care Monitoring	Dr. K.V. Gobi

21	Srinivasan. P	Electrical Engineering	Investigation on PWM Techniques for An Open-End Winding Induction Motor Drive	Dr. N.V. Srikanth & Prof. N. Vishwanathan
22	A.R. Babu	Mechanical Engineering	Studies on a CI DI Engine with Pongamia Oil and Palm Stearin Based Biodiesel	Prof. G. Amba Prasad Rao
23	K.L. Radhika	Civil Engineering	A Study on the Application of Particle Packing Theories for Improving the Performance of Recycled Aggregate Based Self Compacting Concrete	Dr. P. Rathish Kumar
24	Dagne Birhanu Mamo	Mechanical Engineering	Supply Chain Performance Metrics: An Ethiopian Experience	
25	Gade Madhava Rao	Mathematics	Flow of Physiological Fluids Through a Bifurcated Artery	Dr. D. Srinivasa Charya
26	Tene Ramakrishnudu	C.S.E	Some Studies on Frequent and Interesting Infrequent Itemsets: Centralized and Distributed Approaches	Dr. RBV Subramanyam
27	Nerella Ruben	Civil Engineering	Analysis of Hydraulic Transients in Water Conveyance Pumping Systems Using Discrete Vapour Cavitation Model	Dr. E. Venkata Rathnam
28	Sunnydayal Vanambathina	E.C.E	Some Investigations on Probabilistic Approaches for Speech Enhancement	Dr. T. Kishore Kumar
29	B.V.N.S.M. Nagesh Deevi	E.C.E	Design and Performance Analysis of On-Chip Multilayer Passive Components for RF Circuits	Dr. N. Bheema Rao
30	Kandi Kishore Kumar	Mechanical Engineering	Fabrication and Process Optimization of Gel Casted $SiO_2 – Si_3N_4 – BN$ Ceramic Composites for Radomes	Prof. C.S.P. Rao
31	Vivekanandan B	Chemical Engineering	Studies on Applications of Process Systems Engineering Tools for Biological Wastewater Treatment Processes	Dr. A. Seshagiri Rao
32	N Ch Kaushik	Mechanical Engineering	Experimental Investigation on Two Body Abrasive Wear Behaviour of Hybrid Al-Mg-Si Metal Matrix Composites	Dr. R. Narasimha Rao
33	D. Santhosh Kumar	E.C.E	TOA & DOA Based Beamforming of UWB Signals Under IEEE Realistic Channel Models	Dr. V.V. Mani
34	Sudhir Kumar Mishra	Mechanical Engineering	Studies on Job Shops for Optimum Scheduling, Lot Sizing and Integration Using Evolutionary Methods	Prof. C.S.P. Rao
35	Bhupatiraju Ravi Kumar Varma	Electrical Engineering	Digital Protection Algorithms for EHV Teed and Multi-Terminal Tansmission Circuits	Prof. D.V.S.S. Siva Sarma
36	Neerukonda Rama Devi	Electrical Engineering	Fault Diagnosis Schemes for Three-Phase Induction Motor	Prof. D.V.S.S. Siva Sarma
37	Manmadhachary Aiamunoori	Mechanical Engineering	Investigation and Error Correction in Oral & Maxillofacial Reconstruction Surgical Implants Using Additive Manufacturing	Dr. Y. Ravi Kumar Prof. L. Krishnanand
38	Lingala Suresh	Chemistry	Synthesis and Biological Activity of Novel Substituted and Fused Pyrimidine Derivatives	Prof. G.V.P. Chandramouli
39	Vishnumurthy Nallapati	Mechanical Engineering	Development of AA2014 and AA2219 Metal Matrix Nano Composites and Evaluation of their Mechanical and Tribological Characteristics	Prof. C.S.P. Rao Prof. N. Selvaraj

Number of Ph.Ds. Awarded from 01.04.2016 to 31.03.2017

1.	Civil Engineering	:	**02**
2.	Electrical Engineering	:	07
3.	Mechanical Engineering	:	**11**
4.	Electronics & Commn. Engg.	:	**06**
5.	Met. & Mat. Engg.	:	00
6.	Chemical Engineering	:	**02**
7.	Computer Science & Engg.	:	**02**
8.	Biotechnology	:	**00**
9.	Mathematics	:	**04**
10.	Physics	:	**01**
11.	Chemistry	:	**04**
12.	School of Management	:	**00**
13.	Hum. & Soc. Sciences	:	**00**
			39

7.4 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
Sealing of Gravel Roads	Prof. C.S.R.K. Prasad (Principal Investigator) Dr. Venkaiah Chowdary (Co-Investigator)	No. E6/Pilot projects/2008, 27.05.2009	19.5	Ministry of Rural Development
Influence of Mix Properties on the Permanent Deformation Characteristics of Asphalt Mixtures	Dr. Venkaiah Chowdary	NITW/DIR/2012/244/ 2022, 14.09.2012 03.50	3.5	MHRD Seed Grant, NIT Warangal
Effect of Aging on the Mechanical Response of Asphalt Binders	Dr. Venkaiah Chowdary	SB/FTP/ETA-148/2012, 20.05.2013	20.90	Department of Science and Technology
Development of Precise and Real Time Simulation Watershed Modeling System Using Advanced Geospatial and Soft Computing Methods	Dr. K. Venkata Reddy and Prof. Deva Pratap	DST/TM/WTI/2K12/47 (G) dated 26.09.2013	15.53	DST-WTI
DST Fast Track Project for Young Scientists titled “Pedestrian Behaviour Dynamic Analysis near Intersections and Terminals”	Dr. K.V.R. Ravi Shankar	SERB/F/1821/2014-15 dated 18-06-2014	21.72	DST, Government of India
MOUD COE on Urban Transport	Prof. CSRK Prasad		132.50	MOUD, GOI Delhi
Sensitivity of Seismic Vulnerability Assessment of Reinforced Concrete Structures using Fragility curves	Dr. M.V.N. Siva Kumar	2014	5.00	MHRD Seed Grant, NIT Warangal
Integrated Urban Flood Management in India: Technology Driven Solutions	Prof. N V Umamahesh	ITRA/15(68)/Water/IUFM/01, 20.09.2013	66.83	ITRA, DEIT, MCIT, GOI
Fly ash to control acid/alkali induced volume changes in soils	Dr. P. Hari Prasad Reddy	No.SB/FTP/ETA-412/2012 Dated: 21/05/2013	25.00	DST
Investigating the effect of co-digestion and advanced sludge pre-treatment methods on the anaerobic conversion potential of the organic wastes	Dr.P.Venkateswara Rao Dr.Vaibhav Goud, IIT G Dr.S.S.Baral, BITS Goa Campus	08.7.2014	27.428	Department of Biotechnology

B. Interdisciplinary Projects

i) Completed

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

ii) Ongoing

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

Department of Electrical Engineering

A. Intradisciplinary Projects

i) Completed :

Name of the Project	Name of the Coordinator(s)	Sanction Letter and Date	Amount sanctioned (Rs. in lakhs)	Funding Agency
National Mission Project on Education through ICT - Developing suitable Pedagogical methods for various classes, intellectual calibres and research in E-learning	Prof. D.V.S.S Siva Sarma	…	…	…

ii) Ongoing :

Name of the Project	Name of the Coordinator(s)	Sanction Letter and Date	Amount sanctioned (Rs. in lakhs)	Funding Agency
Investigations on Multi-level Converter Interfaced Bi-Polar DC Micro-grids with Adaptive Centralized Energy Management System	Principal Coordinator: Dr. S. Srinivasa Rao Co-Principal Coordinator: Prof. K.Bhagwan Murthy,	(Ref. No: EMR/2016/006225)	34	SERB Science and Engineering Research Board Department of Science and Technology, Government of India

Design and Development of Solar PV and Fuel Cell Energy Based Nano-Grid System.	Dr. Bhookya Nagu	NO.EED/2016/000814 & DATE: 8.3.2017.	34.5	SERB
Reliability Enhancement in PV Rich Micro grids with Plug-in-Hybrid Electric Vehicles and Data Centers (REPRMs)	Dr. Y. Chandra sekhar (PI) Dr. P. Chandra sekhar (Co-PI)	27.02.2017	4.7	European Research Infrastructure Supporting Smart Grid Systems Technology Development, Validation and Roll Out (ERI Grid) (European Union H2020 Programme)
Modeling and simulation of energy harvesting using piezo-materials and super capacitors	Dr. M. Udaya Bhasker	RCI/DCMM/LPD/CARS-389, Date.17.01.2017	6.75	DRDO
Optimized and Efficient Stand Alone PV System for Rural Applications.	Dr. Sachin jain (PI), Prof. Vivek Agarwal (Co-PI, IIT-Bombay)	Nov 2015	31.796	DST/SERI
Design and Development of High Efficient Switched Reluctance Motor based Solar Photovoltaic (SPV) Water Pumping System (WPS)	Dr. B.L. Narasimha raju (PI) Dr. S. Srinivasa Rao (Co-PI) and Prof D M Vinod Kumar (Co-PI)	(P.No.F4562), Approved for Financial Sanctions. 03.10.2016	70.98	IMPRINT-India, MHRD,
Reduction of Torque Ripple in Direct Torque Controlled Three-Phase Permanent Magnet Synchronous Motor Drive for a Hybrid Electric Vehicle	Dr. T. Vinay Kumar	-----	33.26	SERB,DST
Minimization of Storage Requirements in Renewable-Rich Microgrid Systems through Coordinated Control of Resources	Dr. P. Chandra sekhar	------	50.3935	SERB, DST, GoI under Early Career Research Award (Restructured Young Scientist)

B. Interdisciplinary Projects

i) Completed: NIL

ii) Ongoing: NIL

Department of Mechanical Engineering

A. Intradisciplinary Projects

i) Completed

Name of the Project	Name of the Coordinator(s)	Sanction Letter and Date	Amount sanctioned (Rs.in lakhs)	Funding Agency
Estimation of initial moisture content of moist objects	Dr. V.P. Chandra mohan	MHRD - RSG, NIT Warangal, dated 2013	5.3	MHRD - RSG, NIT Warangal
Improvement of Mechanical properties of disimilar welds of maraging steels and ASI4130 steel	Dr. A.Kumar, Dr. K.V.Sai Srinadh		21.4 lakhs	DRDO
Investigation of Corrosion on Metals with Phase Change Materials for a 30 - 100^{o}C temperature range Solar Thermal Heat Storage Applications	Dr. D. Jaya Krishna	NITW/AC-7/RSG-Bdgt/2013-2014/4042,dated 24-01-2014 NITW/AC-7/ Bdgt/2014-2015/2662,dated 29-09-2014	6.5	MHRD
ICT Pedagogy Course development on " Mechatronics"	Dr. V Vasu, Prof. CSP Rao	March 2013	8 Lakhs	MHRD
Rapid Prototyping for Dental Surgical Planning and Implant Placement	Dr. Y. Ravi Kumar	SR/FTP/ETA-35/08 Dated 03.02.2009	15.00	DST
Investigation on Error Identification and Mitigation in Bio-Rapid Prototyping for Oral and Maxillofacial Surgery	Dr. Y. Ravi Kumar and Prof. L. Krishnanand	SB/S3/MMER/0037/ 2013 Dated 17.06.2014	44.00	SERB

ii) Ongoing

Name of the Project	Name of the Coordinator(s)	Sanction Letter and Date	Amount sanctioned (Rs.in lakhs)	Funding Agency
Development of a prototype of Solar updraft tower	Dr. V.P. Chandra mohan	Nov., 2016	6.4745	NITW
Development of eco-friendly nano cutting fluids for machining	Dr.Vamsi krishna	May 2013		DST
Fabrication and characterization of porous nano carbon from activated bio waste for tribological and structural applications	Dr.G.Raghavendra & Dr Satish ben	Sanctioned (2016)	37.1	DST(SERB) ECR
Design and Development of an Efficient and Cost Effective Solar Water Latent Heat Storage System	Dr.D.Jaya Krishna	SB/FTP/ETA-0130/2014, dated 08-07-2015	29.81	DST-SERB
Design and Development of Passive Direct Methanol Fuel cell Integrated with Liquid electrolyte for portable power applications	Dr. G.Naga Srinivasulu, Dr. P.V.Suresh and Prof. S.Srinivasa Rao	24/03/2017	20,00,000/-	DST-SERB

A. 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)/ Organization(s)
Design and Development of a Solar Updraft Power Plant	Dr. V.P.Chandra - mohan	FILE NO. EEQ/2016/000111, Dated: 09-Mar-2017	30.06	DST-SERB	Design and Development of a Solar Updraft Power Plant
Fabrication and characterization of porous nano carbon from activated bio waste for tribological and structural applications	Dr. G. Raghavendra and Dr. Satish Ben	01.06.2015	37.1	DST(SERB)	
Modelling Studies on the Hot Deformation and Densification Behaviour of Sintered Al-TiB2 composites and its TribologicalCharacterisation	Dr. M J Davidson Prof N Selvaraj Dr. Asit Kumar Khanra		12.6 Lakhs	CSIR	MED & MMED
CoEentitled “Centre for Sustainable Energy Studies”	One of the team member and Prof. S. Srinivasa Rao is the coordinator		500	TEQIP-II	MECH, CHEM, ELECT, Phy, Chemistry

Electronics and Communication Engineering Department

A. Intradisciplinary Projects

i) Completed

Name of the Project	Name of the Coordinator(s)	Sanction Letter and Date	Amount sanctioned (Rs. in lakhs)	Funding Agency
Design of DS CDMA Trans Receiver	Dr. S Anuradha/ Dr P Srihari Rao		9.9	RCI, Hyderabad
Design of Optimum Phased Array Antenna and Fault Detection	Prof. NVSN Sarma/ Dr. D Vakula		9.9	DLRL, Hyderabad
Design of 14 bit 4-Channel ADC with high voltage analog input	Dr.Sreehari Rao		5.9	DRDO
Characterization of Dual Polarized Waveguide Slot Radiator	Dr. D Vakula/ Prof. NVSN Sarma		9.8	RCI, Hyderabad
Design of On-Chip LDO Voltage Regulator	Dr.Sreehari Rao		9.9	DRDO, Anurag
Multimedia and DSP Instruction set Implementation for 32 bit Processor	Dr. B.Lakshmi		9.8	DRDO, Anurag
Design and FPGA Prototyping of AFDX End system	Dr. B.Lakshmi		9.8	RCI, DRDO

ii) Ongoing

Name of the Project	Name of the Coordinator(s)	Sanction Letter and Date	Amount sanctioned (Rs. in lakhs)	Funding Agency
Development of Real time Video De-hazing System	Dr. J. Ravi Kumar		36.2	SERB
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
Optimizing Chaotic Code set for DLC receiver with verification on FPGA	Dr. S Anuradha/ Dr P Srihari Rao		9.5	RCI,DRDO
OFDM Transceiver Design and tis performance analysis for military communications	Dr. V.V. Mani		9.8	RCI,DRDO
Visible light Communication Test bed for Indoor Application	Dr. V.V. Mani/ Dr. T Kishore Kumar		25.5	SERB EMR
Development of Novel Adaptive Beamforming Algorithms for speech enhancement	Dr. T Kishore Kumar		18.6	SERB
Special Manpower Development Program for the Chip to Systems	Prof. K.S.R. Krishna Prasad/ Dr P Srihari Rao		9.8	DeiTY
Capacitive read out ckt for MEMS accelromeer	Dr P Srihari Rao		9.9	RCI, DRDO
Novel Robust Speech bandwidth extension algorithms for high definition telephony	Dr. T Kishore Kumar		42.2	SERB, DST

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	Prof. M. K. Mohan	Reference No: DNRD/0100/NRB/4179/D (R&D), dated 20/11/2007	18.80	Naval Research Board (NRB)
Influence of Gas Tungsten Arc Welding on Microstructure and Tensile Properties of Cu Modified Ti-6Al-4V Alloy	Prof. G. V. S. Nageswara Rao	Sanction No.ERIP/ER/1106021/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 Reactors	Prof. G. V. S. Nageswara Rao	Sanction No. 2013/36/15-BRNS/0735, dated 06.06.2013	46.655	DAE-BRNS
Synthesis and Characterization of ZrB_2 Powder and ZrB_2 based Composite Powder	A. K. Khanra	No:ERIP/ER/0904497/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 Thermo-Mechanical Processing on Creep deformation and rupture behaviour of INRAFM steel	Dr. G. V. S. Nageswara Rao, Professor	Sanction Letter No. CSR-KN/CRS-93/2016-17/1134, dated 1st February 2017	12.5	UGC-DAE-CSR
Studies to improve the life of die used for minting the coins	Dr. Asit Kumar Khanra, Prof. G. V. S. Nageswara Rao and Dr. N. Narasaiah	Ref No: IGMH/ R&D/ 2015-16/ 2238 Date: 09-01-2016	04.00	Mint Hyderabad
Development of Alumina-Zirconia-Titania Based Ceramic Composite for Biomedical Applications	Dr. Ajoy Kumar Pandey	File Number: EEQ/2016/000801, letter dated 8 December 2016	37.9	DST-SERB

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	Dr. R. Arokia Kumar		0.09	UGC-DAE-CSR
In Situ hydrogen damage evaluation of boiler water wall tubes using NDT	Dr.R. Arokia Kumar, Dr. Ajoy Kumar Panday and Dr.N. Narasaiah	Ref.No. NETRA/PROJ/NITW/Hyd/16/1 Dated: 24 June 2016	10.00	NTPC
Development of high vibration damping composite layers through friction stir processing	Dr. R. Arockia Kumar	ECR/2017/001227/ES April 2017 Grant order yet to be received	Approx. 47.76 lakhs	DST-SERB-ECR
Development of high strength and creep resistant Mg-Li alloys for automotive and aerospace applications	Dr. B. Srinivasa Rao	Ref: SERB-11 March 2016	20.79	DST-SERB

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. 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 and unstressed parts subjected to chloride environment	Dr. T. Sunil Kumar (PI) Dr. N.Narasaiah (Co-PI) Dr.B.V.Appa Rao (Co-PI)	NRB-307/MAT/13-14; Dated 23. 12. 2013	23,40,250	NRB, DRDO	(i) Dept. of Chemical Engineering (ii) Dept. of Chemistry

Department of Chemical Engineering

A. Intradisciplinary Projects

i) Completed

Name of the Project	Name of the Coordinator(s)	Sanction Letter and Date	Amount sanctioned (Rs. in lakhs)	Funding Agency
Development of Pickling and polishing chemicals for coins	Dr. Anand Kishore (PI), Dr. Shirish H. Sonawane (Co-PI) Dr.S.Srinath (Co-PI)	2015	3.4	India Govt. Mint, Hyderabad
Synthesis of nanohydrogel, and development of hybrid waste water treatment technique using cavitation technique and hydrogel	Dr. Shirish H. Sonawane	2013	29	Ministry of Environment and Forests

ii) Ongoing

Name of the Project	Name of the Coordinator(s)	Sanction Letter and Date	Amount sanctioned (Rs. in lakhs)	Funding Agency
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. SathishBabu	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. R. Satish Babu (PI) Dr. K. Anand Kishore (Co-PI)	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
Development of hybrid waste water treatment system using ceramic membrane and Hydrodynamic cavitation (Prime minister Fellowship)	Dr. Shirish H. Sonawane and Mr. BhaskarBethi	2016	7.2	(Prime minister Fellowship) DST, SERB-CII and K Pack systems Pvt Ltd, Bangalore

Development of starch based polyurethane nano-coatings for packaging application by sonochemical approach	Dr. Shirish H Sonawane	2017	15	Indo-Tunisia Bilateral Project sponsored by DST, Govt. of India
Ultrasonic crystallization of biopolymer for food and dairy industry	Dr. Shirish H. Sonawane	2016	15	Indo-Russia bilateral project sponsored by Russian Research Council
Development of nanostructure electrodes and its applications	Dr. Shirish H. Sonawane	2017	9.8	Telangana State Council of Science and Technology(TSCOST), Hyderabad, Telangana State
A Novel Hybrid System for Textile Dye Waste Water Treatment	Dr. Shirish H. Sonawane	2017	15	Biotechnology Industry Research Assistance Council (BIRAC)-SRISTI- GYTI Award, A Government of India Enterprise
Advanced control of waste water treatment plants for improved effluent quality, cost reduction and effluent violations removal	Dr. A. Seshagiri Rao (PI) Dr. G. Uday Bhaskar Babu (Co-PI)	2017	40.4	DST-SERB-Extra mural research grant

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)
Development of 10 kW/50 kWh Redox Flow Battery System for Solar PV Applications	Dr. Sreenivas Jayanti (PI), IIT Madras Dr. P. V. Suresh (Co-PI)	15-01-2017 3 years	399.8	MNRE, Govt. of India under IMPRINT Scheme	IIT Madras IIT Bombay NIT Warangal BHEL Hyderabad
Design and Development of Passive Direct Methanol Fuel Cell integrated with Liquid Electrolyte for Portable Power Applications	Dr. G. Naga Srinivasulu (PI) Dr. P. V. Suresh (Co-PI) Dr. S. Srinivasarao (Co-PI)	24-03-2017 3 years	19.46	SERB, Govt. of India under EMR scheme	Chemical Engineering Mechanical Engineering NIT Warangal

Computer Science & Engineering Department

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
DSPM – Data Mining	Dr. RBV Subramanyam, Prof. DVLN Somayajulu S Upendar Rao		10	MHRD-NMEICT
DSPM – Data Warehousing	Prof. DVLN Somayajulu, Dr. RBV Subramanyam P Radha Krishna		10	MHRD-NMEICT
Mobile Computing-Pedagogy Project	Dr. Rashmi Ranjan Rout, Prof. S. K. Ghosh (IIT Kharagpur)	Institute level project	7 Approx.	MHRD, New Delhi

ii) Ongoing

Name of the Project	Name of the Coordinator(s)	Sanction Letter and Date	Amount Sanctioned (Rs. In lakhs)	Funding Agency
Developing Suitable Pedagogical Methods, Intellectual calibers and research in E-learning	Prof. DVLN Somayajulu	2013	156.35lakhs	NMEICT, MHRD project anchored with IIT Kharagpur
Solving Discrete Logarithm Problem over GF(2^n) using Function Field Sieve Method	Dr.R.Padmvathy & Dr.S.Ravi Chandra	March 5th 2016	23,35,300	DRDO, SAG, New Delhi
Design and Development of a Multi-Model Geo-Sensor Network for Ambulance and Noise Nuisance Monitoring in Urban India.	Dr. Rashmi Ranjan Rout, Prof. DVLN Somayajulu	No. NRDMS/01 /97/015, date 14.10. 2016	33.3 Lakhs	DST, New Delhi

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 stem cells.	Dr. P. Sreenivasa Rao	BT/PR8056/MED/31/215 /2013	11.85	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/F/5168/2015-16/24.10.2015	20.90	DST
Development of Tailor Made Pretreatment Technologies for Production of Fermentable sugars and Bioethanol from Corncobs	Dr. Rama Raju.B	ECR/2015/000076 15-03-2016	33.66	DST
Metagenome Derived Nitroreductase for Degradation of Nitro Compounds	Dr.K.Divakar	14 Aug 2014	35 Lakhs	DST

Department of Mathematics:

A. Intradisciplinary Projects

i) Completed : Nil

ii) Ongoing:

Name of the Project	Name of the Coordinator(s)	Sanction Letter and Date	Amount sanctioned (Rs. in lakhs)	Funding Agency
Nonlinear convection in rotating Earth's outer Core with Isotropic/ Anisotropic Diffusivities	Dr. A. Benerji Babu	16th Feb 2016	25 Lakhs	DST(SERB)
Numerical treatment of convective transport in non-Newtonian fluids	Dr.Ch.RamReddy (PI) & Dr.D.Srinivasacharya (Co-Investigator)	Grant Number: 25(5034)/14, w.e.f. 01/10/2015	Rs. 9,94,560/-	Counsel of Scientific and Industrial Research, NEW DELHI, INDIA.
Numerical Study of convective transport in a viscous fluid saturated porous medium	Dr. J. Pranitha	SERB/F/8008/2016-17 dated 04 February, 2017	Rs 17,00,500	DST(SERB)

Department of Physics

A. Intradisciplinary Projects

i) Completed

Name of the Project	Name of the coordinator(s)	Sanction letter & date	Amount sanctioned (Rs. in lakhs)	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 Lakhs	DST

ii) Ongoing

Name of the Project	Name of the coordinator(s)	Sanction Letter and Date	Amount sanctioned (Rs. in lakhs)	Funding Agency
Effects of electron beam irradiation on poly lactic acid blends and composites	Dr. T. Venkatappa Rao, Prof. SVS Ramana Reddy	35/14/55/2014-BRNS Dt. 1.1.2015	17.715 Lakhs	BRNS, DAE
Synthesis and nonlinear optical studies on MoO_3 based Lead silicate glass ceramics for applications in NLO devices	Dr. Syam Prasad		5.50 Lakhs	SERB
Development of novel bioactive glass and glass ceramics-in vitro and in vivo	Dr. Abdul Azeem (PI) & Dr. Bramanandam (Co-PI)		40	SERB
Development of Distributed Photonic Sensor for Simultaneous and Real-time Measurements of Strain and Temperature in Fusion Reactor Relevant Applications	Dr. Sourabh Roy (PI) Prof. M. Sai Shankar (Co-PI)	39/14/27/2016-BRNS/34430 dt 23/01/2017	Rs. 28 lakhs	BRNS DAE
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 Lakhs	DST-SERB-YSS

Development of Highly Efficient Perovskite Solar Cells using Chemical Vapor Deposited Graphene and Graphene Nanocomposites as Electron Transport Layers	Dr. Kusum Kumari (PI)	SERB-EEQ 2016	30 Lakhs	
Interface Engineering with CVD grown MoS2 ultra-thin layers for the Improvement of Perovskite Solar Cell Performance	Dr. Kusum Kumari (PI) & Dr. L.R.G. Reddy (Co-PI)			
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 Lakhs	DST-SERB-YSS
Microfluidic Methods for the Synthesis of Monodisperse Nematic and Chiral nematic Emulsions for the Application in Display and Fiber Optic Technology	Dr. V. Jayalakshmi	ECR/2016/558 dt 5/12/2016	Rs. 52.04 Lakh	SERB, DST

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 Electrochemical Impedance Immunosensors for Detecting Trace Levels of Explosives and Biowarfare Agents	Dr. K. V. Gobi, PI Prof. B. V. Appa Rao, Co-PI	No.ERIP/ER/ 1006008/M/0 1/1386, dt.29th Nov., 2011	19.74 Lakhs	Defence Research and Development Organization (DRDO), 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
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
Design and synthesis of (-)-kaitocephalin derivatives and their pharmacological evaluation as ionotropic glutamate receptor (iGluRs) antagonists	Dr. D. Kashinath	23 May 2014	24.5	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)
Design, Synthesis and Biological Evaluation of Thiazolidinone-Tetrazolopyrimidine Hybrid Molecules as Anti-Cancer Agents	Dr. B. Srinivas	02(0300)/17/ EMR-II; Date: 05.05.2017	15.46 Lakhs	CSIR
Novel glycosylation methods and their application to biologically important molecules	Dr. K. Hari Prasad	Sanctioned from 30.10.2015	35.0 Lakhs	DST-INSPIRE
N-Heterocyclic Carbene Catalyzed Tandem [2+2] and [4+2] Cycloaddition Reactions: Application in the Synthesis of Bioactive Compounds	Dr. K. Hari Prasad	Sanctioned from 31.10.2015	23.0 Lakhs	DST-SERB

B. Interdisciplinary Projects

i) Completed - Nil

***ii) Ongoing* :**

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 sutainable Energy Sustems	Prof. S. Srinivasa Rao (Coordinator) Prof. A. Rama chandraiah (Co-Coordinator)	TEQIP-II	9.00 Crores	TEQIP-II	Mech. Engg. Electrical Engg. Chemical Engg. Physics Chemistry
MHRD-Teaching-Learning Centre	Prof. I. Ajit Kumar Reddy (Coordinator) Prof. A. Rama chandraiah (Core Team Member)	MHRD	11.00 crores	MHRD	All Departments, NITW
Centre for sustainable Energy Systems	Prof. S. Srinivasa Rao (Coordinator) Prof. A. Rama chandraiah (Co-Coordinator)	TEQIP-II	9.00 Crores	TEQIP-II	Mech. Engg. Electrical Engg. Chemical Engg. Physics Chemistry
Synthesis and analysis of Linezolid	Prof. V. Rajeswar Rao	2014	8.05lakhs	M/s Symed, Hyderabad	-
Centre for sustainable Energy Systems	Dr. K. V. Gobi (Core Team Member)	TEQIP-II	9.00 Crores	TEQIP-II	Mech. Engg. Electrical Engg. Chemical Engg. Physics Chemistry

7.5 Sponsored Research and Industrial Consultancy

During the period **01-04-2016 to 31.03.2017 an amount of Rs. 1,90,08,908/-** has been collected from various organizations towards consultancy / testing charges and the works are completed.

Details of Consultancy Activities

S.No.	*No. of Jobs*	*Department*	*Name(s) of Expert(s) with Designation*	*Details of Clients/ Organisation*	*Revenue/Fee (in Rs)*
1.	56	Structures Div. of CED	Prof..G.Rajesh Kumar, Prof.CBK Rao; Prof. D. Rama Seshu, Dr.T.D.Gunneswara Rao; M.Sudhakar; Dr.P. Rathish umar Dr.Tezeswi Dr. S.V. Rao, Dr.D.Ravi Prasad	M/s. Smith Consulting engineer HYD. S.E. (FAC) HNSSC Kurnool. E.E. IFFC, Kothapalli K.Nagar. E.E. I&CADD SRSPC Choppadandi. S.c.co. Ltd, BHEL, R&B, TS TRANSCO, APIIC, Ltd, I&CADD, S.C.Rail way, Municipal corporation Nizamabad. etc	62,77,537/-
2.	72	Geotechnical Div. of CED	Dr.P.Hari Krishna, Dr.V.Ramana Murthy, Dr.M.Heeralal, Dr.G.Kalyan Kumar, Dr.Raksh, J.Pillai,	E.E. Kaleshwaram Project-D-3, Peddapally. E.E. I&CADD, PRLIS-D-2 Kurnool. E.E. ISRMC-D-4, Eluru. E.E. I&CADD, I.B.D Mancherial DrBRAPCSS, STPP, TS TRANSCO, Panchayat Raj, NIT (AP) & other Govt organizations	59,27,740/-
3.	31	Transportation Div. of CED	Prof.C.S.R.K. Prasad, Dr.Venkaiah Chowdary, Dr,K.V.R.R.Shankar, Dr.S.Shankar, Dr.Arpan Mehar,	Commissioner of Police of Siddipet Dy.E.E. S.C.Co.L, STPP Jaipur Dy.E.E. (R&B) Palakurthy. CPWD,wgl. (R&B) IQCC, Warangal. S.C.Co,LTD, PR PIU, Div Wgl. & other Govt organizations	13,97,816/-
4.	9	Water & ENV Div. of CED.	Prof. N.V.Umamahesh, Prof..K.V.Jaya Kumar Dr.E.VenkatRathnam, Dr.Ajey, Dr..P.V.Rao,	NRK Raju Vice-Prisident, Tata Project Sec-Bad. Vice-President, MAYTAS, MEIL-KBLJV, HYD. S.E. P.I.P.L.M.C. Tuni, E.G. Dist (A.P) S.E. TDWSP Warangal.	29,02,750/-
5.	3	RS&GIS-Div Civil Engg. Dept	Prof..Deva Pratap, Prof.C.S.R.K.Prasad, Dr.K.Venkata Reddy, Dr.M.Shashi, Dr.Y.Navatha,	C.E Regional Centers NRSC (ISRO) HYD, SKY Solutions Corp, Arkansan, USA. Resident Coordinator, NIT AP, Tadepallegudem.	13,27,185/-
6.	6	Electrical Engg. Dept	Prof. M.Sydulu, Dr.D.V.S.S.Siva Sarma Prof.N.Subramanyam, Prof. R.V.Chalam,	S.E. (FAC) HNSS Kurnool&Madakasira. S.E. SKDGNSSC Pulivendula YSR. C.E Water Research Dept, Anantapur. & sum other Govt organizations	4,27,750/-
7.	4.	Chemical Engg. Dept	Dr.Sharath Babu Dr.Shirish Sonawane	ELIX Industries, Ahemadabad. C.E. Tech K.W&C.S Surat Gujarat.	1,51,950/-
8.	1	Physical Education	Dr. P.Ravi Kumar, Prof. D. Rama Seshu.	M/s. Great Sports Infra Pvt-Ltd., HYD.	96,180/-
9.	1	Mechanical Engg. Dept	Dr. Adepu Kumar, Prof. K.V.Sai Srinadh,	The Director DRDL, HYD.	5,00,000/-
				Total Amount (in Rupees)	1,90,08,908/-
				(One crore ninety lakhs eight thousand nine hundred and eight only)	

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
- PTV Vistro and Visum Safety -40 user license (TE)
- 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 MHz Bandwidth, 1 GS/s Sample
- Transformer and inductors
- HIL – RT Simulator
- XDS510LC Emulators
- Three Phase, 4-leg, 3-level Inverter
- DC-DC chopper + IGBT based Inverter Module
- 10 KW programmable DC power supply with solar array
- Inverters of Discrete Switcher
- Programmable Electronic Load (AC+DC) 5 KW
- Inverter Module: Five leg inverter with Chopper control
- NI Data Acquisition Modules
- dSPACE ACE
- XDS100V3 Emulators
- Standalone Solar PV system with grid tie on line & off-line inverters
- Current probes
- Voltage and current transducers
- dSPACE Micro lab box

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
- 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

- Automatic Studio
- Vibration Simulation Test Rig
- Single Cylinder Petrol Engine Test Rig
- Magnetic Crack Detector Unit
- 200 Amp single phase air cooled welding Transformer
- Plastic Injection Molding Machine
- Variable Speed PrecisionLathe
- Vertical Milling Machine
- Pulse generator for EDM
- CSD-3 Sunshine Recorder
- Profile Projector
- Computer workstation
- Digital Bomb Calorimeter
- Ansys Academic Teaching/Research Mechanical and CFD software (including Fluent)
- Data Acquisition System
- Variable Compression Engine
- Air Jet Erosion
- PLM Software
- Four Ball Tester
- Friction and wear Tester
- CNC Mill Trainer
- Air Jet Erosion Tester
- Solar Updraft Tower Power Plant
- UltiMaker 2+3D Printer(1),3D Printing Filaments
- Computer control Training System PUNE
- Coverage CFD
- Four wheeler Chassis dynamometer with brake retarder
- Tharmal Conductivity
- Freeze Drier Experiment
- Whirling of Shafts Apparatus
- BST-BM SS, Laboratory Ball mill 5 Kg With stainless steel Jar
- Air conditioning Test Rig
- Steam Turbine Test Rig
- 150 Amps Inverter MMA welding equipment
- Sand Testing equipment
- Ultrasonic Flaw Detector
- Tool &Cutter Grinder
- Workshop Tools & Equipment
- LOG BOX – 8 channel data logger
- Tool Makers Microscope
- Production Engg. Lab
- MIMICS Software
- Gauge blocks
- Universal Hardness Tester
- Smoke Meter
- Work station
- Radial Drilling Machine
- Thermal IR Camera
- Nimonic C263 alloy
- Repair and Integration of Milling machine with As/Rs & Belt Conveyor
- Workstation
- CNC Lathe Trainer
- Pin on disc Friction and Wear Test Rig
- Four Ball Tester
- 3D scanner
- Computer Controlled Electro PnematicTrg kit with PLC
- HP Work Station
- 5KVA UPS
- Passive DMFC Hardware Assembly Circuit
- Gas Analyzer
- Work Station
- Date Acquisition System
- Planetary Ball Mill Make RETSCH

Electronics & Communication Engineering

Laboratories:

- Problem Oriented Research Lab
- Bio-Medical
- VLSI Lab (sponsored by MICT, New Delhi)
- Basic Electronics
- Integrated Circuits
- Electronic Computer Aided Design
- Instrumentation Systems
- Microwave
- purchased to microprocessor laboratory (15 No.s)
- Signal Processing
- Image Processing
- Electronic Circuits
- Microprocessor
- Communication Systems
- Intelligent Instrumentation
- Computer Communication
- Personal Computer
- Advanced Microprocessor trainer kits

Major Equipment

- Cellular Telephony Trainer
- Test and Measuring Equipments
- Microwave Network Analyzer and Tests Setups
- ISDN Trainer
- Biomedical Work station for Advanced Processing.
- PC Based Multi Channel (Simultaneous) ECG Acquisition System.
- PC Based Instrumentation Trainer
- Satellite Receiver
- Spectrum Analyser
- Mixed Signal Oscilloscope, Arbitrary wave form generator and multi meters
- Xilinx Zynq FPGA (video & Imaging kit)
- Communication Chassis
- Access Points
- Instrument Tutors
- Communication controller
- Modulation Tool kit
- Portable measurement instrument
- 34 channel logic analyzer
- Xilinx kintex-7 FPGA development kit
- Reconfigurable FPGA board
- Mixed domain Oscilloscope
- Image Processing
- Communication System modules
- Low end workstation
- Optical laboratory equipment
- Advanced microstrip
- 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
- OS for Workstations and Servers
- PLC (Programmable Logic Controller)
- Auto range 41/2 Digital Multimeters
- Regulated DC Dual Output power supply
- Desktop systems
- Low end Workstation
- Civil and Electrical Installation for100KW/125KVA Diesel Generator
- Advanced Process Control Platform with DAQ
- 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
- 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
- TMS320, DM6437 Digital Video Development
- Mentor Graphics EDA Tools package
- Lab Communication Design Suit Software and corresponding Tool kits
- WARP V3 kit
- 100KW/125 KVA Silent Diesel Generator

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)
- GPU server
- 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
- Single Effect Evaporator
- Horizontal and vertical condenser Process Trainer
- Programmable Function Generator
- Diffusivity Apparatus
- Aspen Plus Simulation Software
- Flue gas Analyzer
- Fermenter
- Computer Control of Temperature level and flow processes
- Tubular Reactor
- Embulsion Polymerization Reactor
- Semi batch Reactor
- High performance Liquid Chromotograph

- Rheometer
- pH/ORP/ISE/Conductivity/DO: Bench Top Ion Meter
- Acer Netbook
- Ultra Sonicator
- MATLAB (Software)
- COMSOL (Software)
- ANSYS ACADEMIC CFD Software – 5 Licenses with 16 HPC licenses
- Network Printer
- Vibratory Feeder with Hopper
- Data acquisition system
- Particle Size Analzer
- PID Based Bioreactor
- Universal process control
- Workstations - 5 No.
- PEM fuel cell assemblies for MEA areas: 25, 50, 100, 300 cm^2 under RSG
- Tape casting machine
- Design expert software
- Inverted pendulum
- Vacuum spray coating machine
- Cascade CSTRs in series
- Semi-batch reactor
- Workstation
- Two conical tanks connected in series process
- 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 analyzer Contact angle meter
- High pressure reactor
- Bench scale reactive distillation apparatus
- Combined reactor
- Programmable logic controller

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^oC
- 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,
- 2 ton Hounsfield Tensometer
- Scanning Electron Microscope with EDS facility (TESCAN – VEGA 3LMU)
- Fluidized Bed Furnace Creep Testing
- Plus TIG Unit
- SHIMADZU Computer Controlled Universal Testing Machine (250 kN)
- Metallurgical Microscope with Image Analyser
- Lab Model Ball Mill
- Tube Furnace up to 1000^oc
- 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

(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
- Hot Indentation Creep Tester
- Thermo-Calc Software, DICTRA and Databases(TCFE9, MOBFE4,TCMG4, TTIAL)

(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
- Compression Moulding Machine
- Bench type tensile testing machine
- Split type furnace
- Vibratory Polisher

Biotechnology

Laboratories:

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

Major Equipment:

- Atomic Force Microscope
- High Performance Liquid Chromatograph
- Fourler Transform Infrared Absorption
- 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
- Refrigerated Centriguge
- 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
- Pretreatment equipment

Mathematics Department

Laboratories:

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

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

Major Equipment:

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

Physics Department

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)
- 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

- Source meter
- UV Blocking Vacuum desiccator
- Microbalance
- Stoke parameter Set up
- Spectro-radiometer for EL measurements
- Dual channel syringe pump
- Spectroradiometer

Chemistry Department

Laboratories:

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

Major Equipment:

- Carlo Erba 1108 CHNS – O Elemental Analyzer
- Hydrogenation apparatus
- EG & G PARC 264 A3 Polarographic Analyzers / Stripping Voltammeter
- Sartorius MC-5 Microbalance
  BAS CV-27 Electrochemical System
  Orin 902 Expandable Ion Meter
  Simadzu Specular Reflectance Accessory
  Electrogravimetric Analyzer
- Shimadzu 820/PC Fourier Transform Infared (FTIR)Spectrophotometer
- Flash Chromatograph
- BOD Incubator
  Systronics Flame Photometer
- UV Visible Spectrophotometer (Analytik Make)
- Micro Processor Based Flame Photometer
- Electronic Portable Balance
- Visible Spectrophotometer
- Turbidimeter
- Polarimeter
- Hedolph Rotary Evaporator
- Melting point Apparatous
- Electrochemical Analyzers
- Rotavapor with accessories
- Cryostat
- HPLC
- High temperature Programmable furnace
- Thermostat with temperature control
- Orbital shaker
- Perkin Elmer 100S FTIR spectrophotometer
- Mettler M3 and M5 Microbalances
- Magnetic Susceptibility Setup
- Thermo 600 UV-VIS Spectrophotometer (with Reflectance attachment)
- High-Performance Liquid Chromatography (HPLC) Analyzer
- 400 MHz NMR Spectrometer
- Rota evaporators
- CO2 Incubator
- Shimadzu UV-160 A Ratio Recording UV–Vis–NIR Spectrophotometer
- Shimadzu IR-408 infrared Spectrophotometer
- Vacuum pump (Rotary evaporator)
- UV-Vis-NIR Spectrophotometer with Shimadzu 160/220V UV-Vis-NIR Spectrophotometer fast Kinetics Software
  Low Temperature Kinetics Device
  Aimil 5765 Gas Chromatograph
- Inserf Cryostatic circulating Liquid Bath
- Digital polarimeter
- Stopped Flow Kinetic Accessory
- Mettler M 5 & M3 Microbalances
  Polytron Magnetic Susceptibility Set-up
- Digital Ptentio meter
- Shaking Incubator
- Demineraliser water treatment plant
- Electro gravimetric Analyser
- Circulating Water batch
- Flame Photometer
- KBr pellet maker
- Vaccum pump
- FT-IR Spectrophotometer
- Cyclic Voltammeter
- Digital Balances
- Visible Spectrometers
- Ultra Centrifuge
- Water bath Shaker
- Digital polarimeter
- Ice making machine
- UV-Vis-NIR Spectrophotometer with DRS attachment
- High speed cooling centrifuge
- Buchi Rotovapor
- Ion selective electrodes
- Chiral HPLC columns
- Flash Chromatography
- FT-IR (Accessories)
- UPS
- Cryostat-Water circulator pump
- Probe Sonicator

- Gel Documentation
- 400 MHz NMR Spectrometer
- Electrochemical workstation
- Vacuum pumps (2 Nos)
- Rotating Disk electrode
- Gas chromatograph
- Gas chromatography
- Gas chromatography
- Ultrahigh water purification system
- Sybyl-X Molecular modeling software
- Ultrahigh water purifier

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	HP 600G2 Desktop	65	1st Year B.Tech
2	New Graphics Laboratory	HP Elite Desk	80	1st Year B.Tech 2nd Year B.Tech(EEE) 4th Year B.Tech(MED)
3	(Graphics Laboratory) Language Lab	HCL Info Systems Ltd	48	1st Year B.Tech
4	CAD -2	HP 600G2 Desktop	55	B.Tech. II (EEE) B.Tech. IV (Bio Tech) 1st Year B,Tech
5	CAD-1	HCL Info System Ltd	60	1nd Year B.Tech M.Sc. (Chemistry) M.Tech.(ACS)
6	Programming & New Graphics Lab	HP DL380G 9 Server	2	All labs in CC

B. Hardware Consolidated

S.No.	Processor	Number of Systems	OS Loaded	RAM	Beneficiary Class
1	HP 600G2 CORE I7-6700 8GB DDR-4 1 TB HDD	65	Windows 8 Ubuntu	8 GB	1st Year B.Tech
2	HP Elite Desk Pentium(R) Core i7 CPU@3.40 GHZ 1 TB HDD	80	Window 8	8GB	1st Year B.Tech 2nd Year B.Tech(EEE) 4th Year B.Tech(MED)
3	Intel(R) Pentium (R) 4 CPU@3.00GHZ 160 GB HDD	48	Windows XP	1GB	1st Year B.Tech
4	HP 600G2 CORE I7-6700 8GB DDR-4 1 TB HDD	55	Window 8 & Ubuntu	8 GB	B.Tech. II (EEE) B.Tech. IV (Bio Tech) 1st Year B,Tech
5	HCL Info System Ltd., Pentium(R) CPU@3.06 GHZ 160GB HDD	60	Window XP	1GB	1nd Year B.Tech M.Sc. (Chemistry) M.Tech.(ACS)
6	HP DL 380 G 9 Server 2*E5-2620v4/4 4*16GB DDR4/4	2	Centos (Unix) Windows 2013 server	4*900 GB	All labs in CC

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	65	C++ (Linux OS)	Yes McAfee
2	AutoCAD 2010 MATLAB 2010 Creo 5.0 & ProE 4.0 MS Office 2010 MS Office 2013	Windows 8	80	AutoCAd 2010 MATLAB 2010 Creo 5.0 & ProE 4.0 MS Office 2010 MS Office 2013	Yes McAfee
3	Soft Skills & Communication Skills	Windows XP	48	Soft Skills & Communication Skills	McAfee
4	Turbo C MS-Office 2003-13 MAT LAB	Window 8 & Ubuntu 14.04	55	Turbo C MS-Office 2003-13 MAT LAB	Yes McAfee
5	AutoCAd 2010 MATLAB 2009 ANSYS 11 Creo 5.0 & ProE 4.0 Visual Basic 2006 Turbo C MS Office 2003-13	Windows 8	60	AutoCAd 2010 MATLAB 2009 ANSYS 11 Creo 5.0 & ProE 4.0 Visual Basic 2006 Turbo C MS Office 2003 -13	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	

E. Networking and Internet

S.No.	Network Group	Number Networked	Whether Internet Connected	Remarks
1	Client Server	65	Yes	
2	Domain	80	Yes	
3	Domain	48	Yes	
4	Domain	55	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. Sudhakar Prof T.Ramesh Dr USN Raju Dr Christopher Dr Srivani Gupta
2	B.Tech. II A B.Tech. IV B	2 2	Yes	Dr. V. Suresh Kumar Dr. G. Raghavendra
	1st Year B.Tech.	6	Yes	Prof. N. Selva Raj Dr Ismail
3	1st Year B,Tech	12	Yes	Dr Mrs. Madhavi Reddy Dr Vishwanathan
4	B.Tech. II B.Tech. IV 1st Year B,Tech	2 4 2	Yes	Dr. OM Perumal Dr. Sai Prakash
5	1nd Year B.Tech M.Sc. (Chemistry) M.Tech.(ACS)	2	Yes	Dr Christopher Dr Srivani Gupta Dr. Ramachandraiah

3. Other Important Activities:

1. Student Result processing software (for all UG/PG examinations) is developed by Sri P Mohan of Computer Center and he has been supporting academic branch in maintaining the database.

2. Supports Online exams for Campus Placement on a regular basis.

3. Supports the Departments for conducting short term training programs and GIAN programs based on their needs. A few are mentioned below.

1. Hands on session for one day on 25th Feburary 2017, for the workshop on "Communication Skills for Effective Teaching in Higher Education' in association with TLC, NITW. (CAD – II Lab)

2. 20th May 2016 to 25th May 2016 : workshop on Information and Communication Technology (MS-OFFICE tools & Internet) for Teachers,

3. Tutorial & hands & sessions from 23rd May to June 3rd 2016, for the Electrical Engineering department for GIAN program. (New Graphics Lab)

4. workshop & Games competition 21st to 23rd October 2016, during Technozion- 2016 Technical festival of our Institute. (Cad-1, Cad-II & New Graphics lab)

5. practical workshop on MATLAB from 26th to 31 st December 2016, by Mechanical Engineering department for the Workshop on "Computational Research Techniques using MATLAB (CRT-2016) (New Graphics Lab)

6. Games competition from 21st to 23rdth October 2016, during Technozion-2016 Technical festival of our Institute. (Cad-1, Cad-II & New Graphics lab)

7. Games competition from 3rd to 5th March 2017, during Springspree-2017 cultural fest of our Institute. (Cad-1, Cad-II & New Graphics lab)

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. During the examination the library is kept open still 11.00 PM.

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 1,78,393 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 2016-17:

During the year 1366 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 01.04.2016 to 31.03.2017	Rs.	5,13,800=00
Expenditure on Journals from 01.04.2016 to 31.03.2017	Rs.	8,49,838=00
Online E-Journals for the year 2017	Rs.	1,50,00,000=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.3,83,344=00 and acquired a collection of 2,548 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 1,78,393 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

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.

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 2016-2017

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.

Annual Sports Day Celebrations (2016-17)

Annual Sports Day was celebrated for the academic year 2016-17 on 13.04.2016. Best Out Going Sportsman for the year 2016-17 was Mr.Vasu Gupta 4/4 B.Tech Chemical Mr.G.Ravikanth Reddy was selected as Best Sportsman of the year.

Overall Championship in Games & Athletics was secured by Mechanical Engineering.

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 ROURKELA from 25.01.17 to 31.01.2017 and lost in the Quarter Finals
- Inter NIT Basket ball held at MNIT Jaipur 04.11.2016 to 06.11.2016 both Men and women teams lost in the Quarter Finals
- Inter NIT Kho- Kho competition held at NITK Surathkal from 17.03.2017 to 19.03.2017 secured 2nd Runner Up position
- Won (10) medals & overall championship in the Inter NIT Best Physique, Weight Lifting and Power lifting held at NIT Kurukshetra from 06.03.2017 to 08.3.2017.
- Won silver medal in men Broad jump in Inter NIT Athletic meet which was held at NIT Kurukshetra from 06.03.2017 to 08.3.2017.
- Inter NIT Volley Ball (Men & women) tournament were held at NITK Surathkal from 17.03.2017 to 19.03.2017 and Men team got the Silver medal.
- Inter NIT Yoga (Men & women) tournament were held at NITK Surathkal from 17.03.2017 to 19.03.2017 and Women team got the Silver medal.

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 during 18-01-17 to 22.01.17
- KABBADI Intramural was conducted during 18-01-17 to 22.01.17
- VOLLEY BALL Intramural was conducted during 18-01-17 to 22.01.17
- CHESS Intramural was conducted on 17-01-17 to 22-01-17.
- TENNIS Intra mural was conducted from 18-01-17 to 20-01-17
- BADMINTON Intramural was conducted from 13.02.2017 to 15.02.2017.
- BASKET BALL Intramural was conducted from 8.02.2017 to 10.02.2017.
- ATHLETICS Intramural was conducted on 06.02.2017 to 10.02.2017
- FOOT BALL Intramural was conducted on 04.01.2017 to 06.01.2017.
- CRICKET Intramural was conducted during 23.02.2017 to 27.02.2016.
- POWER LIFTING,WEIGHT LIFTING & BEST PHYSIQUE Intramural was conducted on 07.02.2017 to 09.02.2017.
- AQUATICS Intramural was conducted on 06.01.17 TO 07.01.17.
- Institute Premier League competitions in Cricket held under flood lights from 21th -29th March 2017.
- Institute Football League competitions were conducted under flood lights from 21.01.2017 to 09.02.2017
- Scholars Cricket Match was conducted during the month of October 2016

Our Institute won the Extramural Competitions organized by other Agencies

- Winners KITS Foot Ball Trophy organised by KITS Warangal from 2.04.2016 to 3.04.2016.
- Winners KITS Basket Ball (Men) & Runners Up (Women) championships organised by KITS Warangal from 16.04.2016 to 17.04.2016.
- Winners in District Table Tennis Championship organised by Warangal District TT Association from 9-10th April 2016.
- Winners KITS Foot Ball Trophy organised by KITS Warangal from 25.02.2017 to 27.02.2017.
- Winners KITS Basket Ball (Men) championships organised by KITS Warangal from 25.02.2017 to 27.02.2017.
- Winners KITS Volley Ball (Men) championships organised by KITS Warangal from 25.02.2017 to 27.02.2017.

Other Important Events

- WORLD YOGA DAY celebrated on 21-06-16 by organising yoga asana demonstrations, one day work shop on Health and Wellness through Yoga been organised and New Yoga hall been inaugurated by the Director.
- On the eve of INDEPENDENCE DAY celebrations (15-8-16) Yogasanas & Pramids and displays was done by the 1st students been organised.
- Yoga and Meditation Camp was conducted for three days from 01.02.2017 to 03.02.2017

9.4 The Hostels, Messes & Staff Quarters

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.	4th Block(Babha Hall)	Yes	Yes	No	LAN
5.	6th Block (Gokhale Hall)	Yes	Yes	No	LAN
6.	7th Block (Radhakrishnan Hall	Yes	Yes	No	LAN
7.	8th Block (Raman Hall)	Yes	Yes	No	LAN
8.	12th Block(Visweswaraiah Hall)	Yes	Yes	No	LAN
9.	13th Block (Rajendra Prasad Hall)	Yes	Yes	No	LAN
10.	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	**2 No**	**One**	
2.	Xerox and Duplication	**2 Nos**	**Two**	
3.	Dry Cleaning	**1 No**	**One**	
4.	Fruits/Refreshments	**1 No**	**One**	
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 Courts-A/B/C	3050 Members	Veg & Non Veg	Prof. Debashish Dutta Dr. Ch. Ram Reddy Dr. Srinath
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. 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	**1 No**	**One**	
3.	Dry Cleaning	**Nil**	**-----**	
4.	Fruits/Refreshments	**1 No**	**One**	
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)	1250	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

S.No.	Country to which belongs	DASA	DASA CIWG	ICCR	MEA	MEA (SFC)	SFC	SPDC	Grand Total
1	A. P.	5							5
2	ABUDHABI	1						1	2
3	AFGHANISTAN			12	3				15
4	AUSTRALIA	2							2
5	BAHRAIN	6	1					1	8
6	BANGLADESH	1		9	1	2			13
7	BHUTAN			7					7
8	Brazil					2			2
9	Britain	1							1
10	Canada	1							1
11	DL					1			1
12	DOHA	1							1
13	DUBAI	9						1	10
14	FIJI			1					1
15	G J	1							1
16	H R	1							1
17	J H	1				2			3
18	K A	3							3
19	K L	5	1						6
20	KENYA	1							1
21	KUWAIT	37	3			1		1	42
22	M H	2	1						3
23	MAURITIUS			3					3
24	MOZAMBIQUE			4					4
25	MUSCAT	3	1			1			5
26	MYANMAR					1			1
27	NEPAL	65			1	9			75
28	New Delhi	1							1
29	Nigeria	1		1					2
30	OMAN	15	4					2	21
31	QAT	33	5					2	40
32	R J	1							1
33	Riyadh							1	1
34	SAUDI ARABIA	26	2			1		3	32
35	Senegal					1			1
36	Sharjah	1							1
37	SING	2							2
38	South Korea	1							1
39	SRIL	6		15				4	25
40	T N	10	2			2		1	15
41	T S	4	3			1			8
42	TANZANIA	1							1
43	THAILAND	3							3
44	U A E	65	13					3	81
45	U P					2			2
46	U.S.A	17	1		1			3	22
47	UGANDA	1							1
48	UK	1				1			2
49	VIETNAM	1							1
50	West Bengal					1			1
51	ZAMBIA			2					2
	Grand Total	**336**	**37**	**54**	**6**	**28**	**0**	**23**	**484**

4. Other Important Aspect

1. Gym facility inside the Hostel Block.
2. Enough play area with shuttle, Table Tennis, Basket Ball courts etc.

5. Staff Quarters

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 for Seminars / Cultural / Social Activities

NIT Auditorium with a seating capacity of 1100 is a very popular venue for students. This is used for screening films, enacting dramas and for cultural and literary events.

Students Activity Centre housing the offices of the various clubs / committees and providing facilities for extra-curricular activities.

Conference Hall has a seating capacity of 300.

IT Theme Centre has a seating capacity of 260. It is a modern Seminar Hall, which includes space for office and fellowship.

Seminar Hall with a seating capacity of 220
(In addition to these central facilities every department has a Seminar Hall.)

Staff Club with facilities for TV cum Reading Room, Cable TV for all the Staff Quarters on Campus, Games like Table Tennis, Tennicoit, Shuttle Badminton, Caroms, a public address and stereo sound system. It is a venue for social gathering and functions.

Daily Needs

- State Bank of Hyderabad, NITW Branch (with Foreign Exchange Facility)
- & ATMs (2 Nos.)
- Post Office
- Laundry
- Hair Dressing Saloon
- Xerox Centre
- N.I.T.Co-operative stores supplying text book, stationery items, cosmetics etc.
- Printing Press with facilities for both the traditional letter – type printing and modern offset printing.

Health Care and Greenery: An excellent nursery and gardens providing an aesthetic environment.

Children's Park with skating ring, slides, parallel bars, monkey ladder, Merry go-round, swings etc. amidst lovely garden.

Indoor Games Complex, 400m Track and 12 Km road network providing an excellent ambience for walking, jogging and other work outs.

Accommodation and Dining

NIT Guest House: A VIP guest house with 16 suits

Participants' Hostel with 60 rooms (AC & Non AC) - Residential facilities for all the students and the staff.

Canteen: A cafeteria located on the premises of hostels, caters to the needs of students from 5.00 p.m. till midnight

Communication and Campus LAN: The campus has excellent facilities for communication through telephones, fax, e-mail and wired and WiFi LAN.

10.0 NOTABLE ACHIEVEMENTS

10.1 Past achievements

NIT Warangal is the first in the chain of RECs in the country. It has the largest number of postgraduate courses. It also offers doctoral programmes in all the engineering and science disciplines. It is also a QIP centre for doctoral studies in the departments of Civil, Mechanical, Chemical and Mathematics. It is a QIP centre also for M.Tech in Electrical Engineering and ECE

The UNESCO sponsored Project during 1965-1970, UK–India RECs Project during 1994-1998 are notable features in the history of the institute for these project resulted in faculty training, starting of new courses, enhancement of laboratory facilities, and a boost to R& D activities

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

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

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

10.2 Achievements during the Current Year

Civil Engineering Department:

1. Achievements / Awards / Innovations

S. No.	Name of the Faculty	Nature of the Achievement/ Award / Innovation
1.	Prof C.B.Kameswara Rao	Awarded '**Best Civil Engineer'** under Academician category on the occasion of Engineers Day held at Osmania University, Hyderabad, by M/s Infra Smart Infrastructural Services Trust, Hyderabad, 15th Sept 2016
2.	Prof C.S.R.K Prasad	Became prestigious member of National Committee-Indian Roads Congress
3.	Prof.K.V.Jayakumar	Appointed to the Panel of Experts to evaluate the BRICS R&D projects from 17 Feb 2017
4.	Prof.K.V.Jayakumar	Nominated as Member-Technical Advisory Committee-Kerala State Pollution Control Board, March 30, 2017

2. Extention / Expert / Invited Lectures Delivered Elsewhere

Sl. No.	Name of the Faculty	Lecture Title	Place	Dates
1.	Prof K.V.Jayakumar	Flood Inundation Modelling for Lower Godavari River	Danish Hydraulic Institute at New Delhi	08-02-2017
2.	Prof. N V Umamahesh	Construction of Non-stationary IDF curves' and 'Modelling Urban Floods'	BITS, Pilani, Hyderabad Campus	04-03-2017
3.	Dr. P Rathish Kumar	"Diagnosis and Assessment of Buildings with case studies	Two day workshop on "Structural Health Monitoring and Condition Assessment of Existing Structures, Department of Civil Engineering, University College of Engineering, Osmania University, Hyderabad	30-12-2016
4.	Dr. P Rathish Kumar	Deterioration of RC structures due to durability related issues	SGGSIET, Nanded	19-02-2017
5.	Dr.P Rathish Kumar	Nondestructive techniques for condition assessment of structures	SGGSIET, Nanded	19-02-2017
6.	Dr.P.VenkateswaraRao	*Design of wastewater treatment plant*	Dr MCR Human resources development Institute, Hyderabad	07-02-2017
7.	Prof.K.V.Jayakumar	*Flood Inundation Modelling for Lower Godavari River*" at the at New Delhi. Also chaired a session	International Conference on Water Challenges in India, organised by Danish Hydraulic Institute, New Delhi	08-02-2017
8.	Prof D.Rama Seshu & Sri V.N.Kameswara Rao	Given lectures as part of Orientation Program for II-Yr Civil Engg	NIT AP	21-01-2017

9.	Prof D.Rama Seshu	Special concretes'	Engineers meet organised by M/s Birla Shakti Cements, Warangal	27-01-2017
10.	Dr Venkaiah Chowdary	Design of Flexible Pavements using Indian Roads Congress Method"	Department of Civil Engineering, CVR College of Engineering, Vastunagar, Mangalpalli (V), Ibrahimpatnam (M), Ranga Reddy District, Telangana.	27-01-2017
11.	Prof. N V Umamahesh	Urban Flood Modelling'	CVR College of Engineering, Hyderabad	28-01-2017
12.	Dr Venkaiah Chowdary	Characteristics of Bituminous Binders", Short Term Training Programme on Material Characterisation and Development	Department of Civil Engineering, Rajiv Gandhi Institute of Technology, Velloor (PO), Kottayam, Kerala	6^{th} to 8^{th} -02-2017
13.	Prof D. Rama Seshu	Learning from failures-Forensic Engineering'	the CEA technical talk at KITS Warangal	06-03-2017
14.	Dr Tezeswi	Structural Analysis	Engineering Staff College of India (ESCI)', Hyderabad	16-03-2017
15.	Dr P.Ratish Kumar	Advances in Concrete Technology	Two Day National Level Technical Symposium " TECH - RESONANCE - 2K17" on at Avanthi Group of Colleges, Hyderabad.	03-03-2017
16.	Prof D. Rama Seshu	Structural Health monitoring using NDT	Invited lecture in the workshop on 'Advances in concrete technology and good construction practices' (ACTGCP-2016). Organised by Civil Engg Dept, JNTU, Hyderabad	26-05-2016 10.30 AM
17.	Prof D.Rama Seshu	Concrete Structures and NDT	Invited lecture in the Civil Engineering Association- Pragati Engineering College, Peddapuram, Kakinada, AP	24-09-2016 10.00AM
18.	Prof D. Rama Seshu	Structural Concrete-Condition Assessment using NDT	Delivered lecture in Two day National Workshop on Condition Assessment & Retrofitting of Structures (CARS) at CBIT, Hyderabad	26-09-2016 2.30 PM
19.	Prof D. Rama Seshu	Condition assessment of Structures	Invited lecture in Two day Seminar on 'Repair,Rehabilitation and Retrofitting of RC Elements (RRRRCE-2016) at MVGR College of Engineering, Vizianagaram, AP	22-10-2016 11 AM
20.	Prof D. Rama Seshu	Non Destructive Testing Methods	Invited lecture in the Civil Engineering Association- Vignan LARA Institute of Tech & Science, Vadlamudi, Guntur	10-12-2016 11.30AM
21.	Dr.T.D.Gunneswaras Rao	Nano Materials in concrete construction	Invited lecture in the SERB supported Faculty Development Program on ""Nano Applications in Civil Engineering conducted at Sri Vasavi Engineering College, Tadepalligudem.	12/04/2017
22.	Prof. N V Umamahesh	Analyzing non-stationarity in Hydrologic Extremes	Key note address at International Conference on Modelling Environmental and Water Resources Systems at Harcourt Butler Technological University, Kanpur	26.03.2017

23	Prof. N V Umamahesh	Extreme rainfall in Urban Areas under Changing Climate	Key note address at International Conference on Emerging Trends in Water Resources and Environmental Engineering at MVGR College of Engineering, Vizianagaram	1.04.2017
24	Prof. N V Umamahesh	Urban Flood Modelling: Issues and Challenges	Key note address at National Conference on Sustainable Water Resources and Development (SWARDAM-16) at Government College of Engineering, Aurangabad	5.07.2016
25	Prof. N V Umamahesh	Modeling Impacts of Climate Change	Key note address at National Conference on Water Resources and Flood Management with special reference to Flood Modelling, SVNIT Surat	15.10.2016

3. Conferences / Symposia Sessions Chaired

S. No.	Name of the Faculty	Event Title	Place	Dates
1.	Prof. N V Umamahesh	Chaired one session at International Conference on Water Security and Climate Change: Challenges and Opportunities in Asia, Asian Institute of Technology, Bangkok,	Asian Institute of Technology, Bangkok	29 November - 01 December 2016
2.	Prof. N V Umamahesh	Chaired one session at International Conference on Modelling Environmental and Water Resources Systems at Harcourt Butler Technological University, Kanpur	Harcourt Butler Technological University, Kanpur	26.03.2017
3.	Prof. N V Umamahesh	National Conference on Sustainable Water Resources and Development (SWARDAM-16) at Government College of Engineering, Aurangabad	Government College of Engineering, Aurangabad	05.07.2016

4. International Visits

S. No.	Name of the Faculty	Countries Visited	Organizations Visited	Dates
1.	Prof N.V.Umamahesh	Bangkok	Asian Institute of Technology (AIT)	Sept 2016

5. Research and Consultancy Expertise

A.	**Research Areas Active in**
	Area Traffic Management Measures, Capacity Analysis of Highways, GIS for Transportation, Mass Transportation Planning, Mixed Traffic Flow Modeling, Pavement Material Characterization, Pavement Performance Evaluation, Pedestrian Behavioral Analysis, Transport Corridor Management, Road Safety, Urban Transportation Planning Structural Engineering – New Concrete making materials, Structural dynamics, nonlinear finite element analysis, composite materials, high strain rate SHPB testing, Multi-scale modelling of concrete, Disaster mitigation, Sustainable materials and technologies, alternate/new construction materials, Urban Water Management, Irrigation Management, Waste management, Computational Fluid Dynamics
B.	**Consultancy Capabilities in**
	Pavement Evaluation and Design, Pavement Material Testing, Traffic Signage and Marking Strategies, Traffic flow analysis, Traffic signal design, Traffic impact analysis, Structural Engineering – Health Monitoring of Structures, Blast resistant design, high strain rate SHPB testing, Multi-hazard (Blast, seismic, wind) Vulnerability assessment, materials testing, Urban Storm water Management

6. Major Equipment (Costing Rs. 1 lakh and more) procured.

S. No	Name of the Equipment	Grant	Make/ Model	Book Value in Rs.	Main Application(s)
1.	PTV Vistro and Visum Safety -40 user license (TE)	TEQIP-II	PTV, Germany	15,05,537=00	Simulation tool - useful for traffic operational analysis, evaluate new development impacts, and optimize signal timing plans

7. Membership in Professional and S&T Bodies

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

Association of Asphalt Paving Technologists, USA.

Indian Geotechnical Society (Chennai Chapter), India.

Indian Society for Technical Education

Indian Roads Congress

Institution of Engineers, India

Institute of Urban Transport

International Society for Asphalt Pavements, USA.
ASCE, ASME, ASC
Indian association for Computational Mechanics (IndCM)
Indian association for Structural Engineering (IASE)
Indian Concrete Institute (ICI)
Indian Society for Rock Mechanics and Tunnelling Technology(ISRMTT)
Japan Society of Civil Engineers (JSCE)
Architectural Institute of Japan (AIJ)
Indian Association of Hydrologists
Member of Indian Water Resources Society

8. Membership in Editorial Boards of Research Journals

- Serving on Editorial Board of
- Journal of Facta Universtatis
- Journal of Cement Wapno Beton,
- Open Journal of Civil Engineering,
- Journal of Industrial Engineering Research,
- INSInet,
- Journal of Civil Engineering and Construction Technology
- Scientific Research and Essays,
- International Journal of Renewable and Sustainable Energy

9. Administrative / Co-curricular / Other additional positions held by the faculty

S.No	Name	Designation	Addl Duty
1.	Prof. C.B. Kameswara Rao	Professor	Member-BoG,NITW
2.	Prof. K V Jayakumar	Professor	Dean P&D
3.	Prof. N V Umamahesh	Professor	Coordinator-TEQIP & Head WRE

4.	Prof. P. Anand Raj	Professor	Prof I/C Project Engineering Unit & Program Coordinator-CTM
5.	Prof. D. Rama Seshu	Professor	Head-CED
6.	Prof. G. Rajesh Kumar	Professor	Chairman-Institute Dispensary & Member DPC
7.	Prof. C.S.R.K. Prasad	Professor	Dean-IRAA & Head TE
8.	Prof. Deva Pratap	Professor	Member-DPC & Program Coordinator-RS&GIS
9.	Prof. M. Chandra Sekhar	Professor	Chairman-Sports & Program Coordinator-EE
10.	Sri V.N.Kameswara Rao	Associate Professor	Institute Time Table I/c
11.	Sri M. Sudhakar	Associate Professor	Structural Engineering Labs-I/c
12.	Dr. E.Venkata Rathnam	Associate Professor	FM Lab I/c
13.	Dr. P. Hari Krishna	Associate Professor	Head-GTE & Associate Dean-SRIC
14.	Dr. V. Ramana Murty	Associate Professor	
15.	Dr. P. Rathish Kumar	Associate Professor	
16.	Dr. T.D. Gunneswara Rao	Associate Professor	Head-Structures Division
17.	Dr. M. Heera Lal	Associate Professor	
18.	Dr. K. Venkata Reddy	Assistant Professor	Faculty I/c-CEA
19.	Dr. Venkaiah Chowdary	Assistant Professor	
20.	Dr. S. Venkateswara Rao	Assistant Professor	Faculty I/c-T&P
21.	Dr. P. Hariprasad Reddy	Assistant Professor	
22.	Dr. K.V.R. Ravi Shankar	Assistant Professor	
23.	Dr. D. Ravi Prasad	Assistant Professor	
24.	Dr. Ajey Kumar Patel	Assistant Professor	
25.	Dr. M. Shashi	Assistant Professor	Survey Lab I/c
26.	Dr. K. Gopi Krishna	Assistant Professor	
27.	Dr. S.Shankar	Assistant Professor	
28.	Dr. Y. Navatha	Assistant Professor	
29.	Dr. P. Venkateswara Rao	Assistant Professor	
30.	Dr. Rakesh J. Pillai	Assistant Professor	
31.	Dr. G. Kalyan Kumar	Assistant Professor	
32.	Dr. M.V.N. Siva Kumar	Assistant Professor	
33.	Dr. Arpan Mehar	Assistant Professor	
34.	Dr. T. Phanirama Tezeswi	Assistant Professor	

10. Administrative Roles

A. Departmental

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

25.	Faculty I/C of "Transportation Engineering Laboratory", CED	Dr. Venkaiah Chowdary	July 2012 onwards
26.	Consultancy Works Co-ordinator of Transportation Division, Department of Civil Engineering	Dr. Venkaiah Chowdary	August 2013 onwards

B. Institutional

Sl. No.	Role	Faculty-in-charge	Term
1.	Coordinator, TEQIP-II	Prof. N V Umamahesh	1.7.2015 to till date
2.	Associate Dean (FW)	Dr. E.Venkata Rathnam	October 2014 to till date
3.	Treasurer NIT staff club	Dr. P. Hari Prasad Reddy	March 2013 to March 2016
4.	Faculty-in-charge Quiz Club	Dr. Ajey Kumar Patel	July, 2014 to till date
5.	Faculty I/C International Students	Dr. P. Hari Prasad Reddy	February 2015 to till date
6.	Faculty I/C, ICP-OES Spectrophotometer (CAI)	Dr. P. Hari Prasad Reddy	August 2015 to till date
7.	NSS Co-Ordinator	Dr. P.Venkateswara Rao	Oct 2014 to Sep 2017
8.	Prof In-charge Project Engineer	Prof. P.Anand Raj	
9.	Associate Dean, Consultancy and Stores	Dr. P Hari Krishna	
10.	Warden,1.8 K Hostel	Dr. M. Shashi	
11.	Member, BOG	Prof. C.B .Kameswara Rao	presently
12.	Warden, Mess-II	Dr. D.Ravi Prasad	2 years
13.	Warden 1.8K	Dr. Siva Kumar	2 years
14.	Faculty in-charge Institute Fire Fighting System Management	Dr. T.P T.PTezaswi	2 years
15.	Warden	Dr. S. Shankar	July 2014
16.	Dean, International Relations and Alumni Affairs	Prof. C.S.R.K. Prasad	05.09.2014 onwards

11.	**Other Significant Information**

SNo	Details
1.	Number of Civil Engineering Students Graduated **(As per 2016-Convocation)** B.Tech =**128**(07) M.Tech=**148** –Engineering Structures23 –Geotechnical Engg21 –Transportation Engg24 –Water Resources Engg20 –Remote Sensing & GIS24 –Env.Engg18 –CTM18

<table>
<tr><td>2.</td><td colspan="2">Research Scholars (2016-17)
Admitted-------- 14
Completed------02
Ongoing---------80 (70 Regular, 10 Part-time)</td></tr>
<tr><td>3.</td><td>22-07-2016</td><td>Successfully conducted the Board of Studies (BoS)-PG Programs of civil Engg.
Out of 13 external BoS members, Five have attended</td></tr>
<tr><td>4.</td><td>Aug 2016</td><td>NBA granted 5-year accreditation status to M.Tech Engg Structures</td></tr>
<tr><td>5.</td><td>3-9-2016</td><td>14th Convocation- Mr Nischal Prasad Pradhan of B.Tech Civil Engg-2012-2016, was awarded overall Institute Gold Medal</td></tr>
<tr><td>6.</td><td>Sept 2016</td><td>Dr Venkat Reddy was awarded Best Young Researcher award instituted by Alumni-NITW</td></tr>
<tr><td>7.</td><td></td><td>Two- M.Tech II year Construction Technology and Management students have been selected for Six months internship program (from January - June, 2017) at Nanyang Technological University (NTU), Singapore under NIT-India connect scheme
<table>
<tr><td></td><td>Roll No</td><td>Name</td><td>Supervisor at NIT</td><td>Supervisor at NTU</td></tr>
<tr><td></td><td>151557</td><td>Binoy Thomas</td><td>Prof G.Rajesh Kumar</td><td>Dr.Robert Tiong</td></tr>
<tr><td></td><td>151571</td><td>Vimal Kumar T</td><td>Dr.Rakesh Pillai</td><td>Dr.Robert Tiong</td></tr>
</table></td></tr>
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Electrical Engineering Department:

1. Patents Registered / Won:

S. No.	Name of the Faculty	Patent's Registration No.	Status (Pending / Won)
1	Prof. N. Vishwanathan Dr. S. P. Selvi Mr. Kasi RamaKrishna Reddy	201641038698 (Full Bridge Soft Switched Driver for LED Based Street Lighting Application)	Pending
2	Prof. N. Vishwanathan Mr. D. Vijay Bhaskar Dr. Tanmoy Maity Dr. S. P. Selvi	201641030518 (Cyclic on-off Control for a Three Output Inverter for Induction Cooking Application with Independent Control)	Pending
3	Prof. N. Vishwanathan **Dr. S. Porpandiselvi,** Mr. Kasi Ramakrishnareddy Ch	Full-Bridge Soft Switched Driver for LED Based Street Lighting Application, Application No. 201641038698 Filed on 7th September, 2016	Published
4	Prof. N. Vishwanathan Mr. Devara Vijaya Bhaskar, Dr. Tanmoy Maity, **Dr. S. Porpandiselvi**	Cyclic on-off Control for a Three-Output Inverter for Induction Cooking Application with Independent Control, Application No. 201641030518 Filed on 11th November, 2016	Published

2. Achievements / Awards / Innovations

S. No.	Name of the Faculty	Nature of the Achievement/ Award / Innovation
1	Dr.M.Sailaja Kumari, Prof. M.Sydulu	Won the POSOCO 2017 best PhD thesis award for the thesis guided. Title of the thesis is 'Wind Integration studies in power systems: Forecasting, Stability and Load management issues' by Mr. D. Rakesh Chandra.
2	Dr. Sachin Jain	Team selected in final round for national level competition "DST and Texas Instruments India Innovation Challenge Design Contest 2016" with the project entitled Live Electricity Surveillance System with project no.231.
3	Dr. B.L. Narasimharaju	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).
4	Dr. P. Chandrasekhar	**Early Career Research Award (Young Scientist),** Department of Science and Technology (**DST**), Ministry of Science and Technology, Government of India, 2016
5	Dr.P. Chandrasekhar	**Selected for Transnational Access** of **European Union's ERIGRID** under **H2020** for conducting Research at The National Smart Grid Laboratory, SINTEF Energy and NTNU, Trondheim, Norway, 2017
6	Dr.P. Chandrasekhar	Received Financial Support to visit Boston, USA for presenting a technical paper at IEEE Power and Energy Society General Meeting, 2016 by **SERB, DST, GoI under International Travel Support Program (Young Scientist)**

3. Extention / Expert / Invited Lectures delivered elsewhere

Sl. No.	Name of the Faculty	Lecture Title	Place	Dates
1	Prof. M. Sydulu	Comprehensive Overview of Network Analysis in Electrical Engineering	Chadalawada Ramanamma Engineering College, Tirupati, AP	27-03-2017
2	Prof. M. Sydulu	Awareness of Electrical Engineering Course for Second Year B.Tech EEE	NIT-Andhra Pradesh.	21-01-2017
3	Prof. M. Sydulu	Awareness of Electrical Engineering Course for Second Year B.Tech EEE Students	Sumati Reddy Institute of Technology for Women, Warangal	23-07-2016
4	Prof. M. Sydulu	Guest Lecture on 'Recent Trends in Power System Operation and Control'	Vasireddy Venkatadri Institute of Technology, Numbur, Guntur - 500508	16-07-2016
5	Prof. M. Sydulu	Guest Lecture on 'Modern Power System Operation and Control'	Malla Reddy Engineering College (Autonomous), Dhulapalli, Ranga Reddy Dt - 500100	11-07-2016

6	Prof. D.M. Vinod Kumar	Smart Grid Technologies	Aditya Institute of Technology & Management, Srikakulam	23-09-2016
7	Dr. P. Srinivasan	Basics of Electricity	Mother Teresa Women's University, Kodaikanal, Tamil Nadu	10-07-2017
8	Dr. Udaya Bhasker M	Power electronics applications to smart grid systems	Tadepalligudem, Andhra Pradesh	1st to 2nd June 2016
9	Dr. Udaya Bhasker M	Hybrid Energy Storage Systems for smart grid systems	IIT-Gandhinagar	7-17 November 2016
10	Dr. G Siva Kumar	"Mathematical Modeling and Solving the Differential Equation of an Induction Machine" in one week Faculty development program on computational tools for Electrical Systems	Shri Vishnu Engineering College for Women, Bhimavaram	29-7-2016
11	Dr. G Siva Kumar	Harmonic Analysis for Power Systems	Osmania University, Hyderabad	19-09-2016
12	Dr. G Siva Kumar	Application of Power Electronics to Power System and Renewable Energy Sources	G.Narayanamma Institute of Technology and Science, Hyderabad	15-03-2016
13	Dr. T. Vinay Kumar	MATLAB fundaments for Electrical Engineering	NIT AP	March 2017
14	Dr. P. Chandrasekhar	Delivered Expert Lecture on at on "Challenges in Integration of Renewable Energy Sources and Probable Solutions	Kakatiya Institute of Technology and Science (Autonomous) Warangal	25-04-2017
15	Dr. P. Chandrasekhar	Fuzzy Logic and its Control Applications	VIT University, Vellore	20-04-2017
16	Dr. P. Chandrasekhar	Challenges in Grid Integration of Renewable Energy Sources	Jayamukhi Institute of Technological Sciences (Autonomous)	10-12-2016

4. Conferences / Symposia Sessions Chaired

S. No.	Name of the Faculty	Event Title	Place	Dates
1	Dr. Y. Chandrasekhar	SS09:Enhancing Power Quality, Reliability and Economic Performance of Microgrids' in IEEE TENCON 2016 — Technologies for Smart Nation	Marina Bay Sands, Singapore	22 – 25 November 2016
2	Dr. M. Udaya Bhasker	Keynote speaker for IEEE International conference on electrical, electronics, engineering trends, communication, optimization and sciences (EEECOS)-2016	Chennai, Tamilnadu	1st -2nd June 2016

5. International Visits

S. No.	Name of the Faculty	Countries Visited	Organisations Visited	Dates
1	Dr. M.Sailaja Kumari	Australia	IEEE International Conference on Power System Technology (POWERCON), Wollongong, NSW.	September28-Oct 1st 2016.
2	Dr. Nagu Bhookya	AIT-Bangkak	(IRES)-Asian Institute of Technology-Bangkok	15-6-2017 To 18-6-2017
3	Dr. Y. Chandrasekhar	Singapore, Norway	National Smart Grid Laboratory (NSGL), SINTEF Energy Research - Trondheim, Norway	28-05-2017 to 10-06-2017
4	Dr. G Siva Kumar	Singapore	"Adaptive dc-link voltage regulation for DSTATCOM under load variations" paper in 2016 IEEE Region 10 Conference (TENCON) Singapore, 2016	2016
5	Dr. P. Chandrasekhar	Trondheim, Norway	Worked as Short term Researcher at National Smart Grid Laboratory, SINTEF Energy and NTNU, under Transnational Access of European Union's ERIGRID under H2020	26-05-2017 To 12-06-2017
6	Dr. P. Chandrasekhar	Boston, MA, USA	Presented a paper at IEEE Power & Energy Society General Meeting-2016	July 17 - 21, 2016

6. Research and Consultancy Expertise

S.No.	Name of the Faculty	a. Research Areas Active in	b. Consultancy Capabilities in
1	Prof. M. Sydulu	Real Time Power System studies, Distribution System studies, Artificial and Meta-heuristic techniques application in Power Systems, Smart Grid, Renewable Energy Resources	1) Software development in Power System studies 2) Vetting of design drawings of Major Lift Irrigation Projects
2	Prof. D.M. Vinod Kumar	AI Applications to Power Systems	----
3	Prof.D.V.S.S. Siva Sarma	Power Quality, Renewable Energy Integration, Fault diagnosis of Electrical Equipment	Design and wetting of Electromechanical components in lift irrigation schemes in AP and Telangana
4	Prof. N. Subrahmanyam	Distribution system automation, Smart grid studies	Design vetting of electro-mechanical and instrumentation designs of LI schemes
5	Prof. N. Vishwanathan	Induction Heating Applications, LED Lighting	Induction Heating Applications, LED Lighting
6	Prof. V.T. Somasekhar	Multilevel Inverters, PWM Strategies, AC Drives	Multilevel Inverters, PWM Strategies, AC Drives
7	Dr. S. Srinivasa Rao	DTC/PTC of Induction motor drives	----
8	Dr. Ch Venkaiah	Application of Optimization Techniques in Power Systems, Integration of Renewable Energy Systems into the Power System Grid, Technology based Entrepreneurship Development among Engineering students, Economics and Financing Renewable Energy Technologies and Power Procurement Strategy and Power Exchanges	1) Technology based Entrepreneurship Development among Engineering Students 2) Economics and Financing Renewable Energy Technologies 3) Power Procurement Strategy and Power Exchanges
9	Dr. M. Sailaja Kumari	Distribution generation and Optimization techniques in power systems, Smart electric grids, Integration of renewable energy resources.	Power system studies
10	Dr. Nagu Bhookya	Enhancement of Power System stability Using Intelligent based HVDC controls, AI-Techniques, Solar PV and Fuel cell and Smart grid.	----
11	Dr. S. Porpandi Selvi	PV fed LED drivers, Induction Heating Applications, High frequency Soft-Switched Inverters	----
12	Dr. Y. Chandrasekhar	Micro grids, Distribution system planning, Distribution generation and Optimization techniques in power systems. Multi objective optimization, Electric Vehicles, Charging Stations	----
13	Dr. Ch. Ramulu	Multi-Level Inverter Fed Open End Winding Induction Motor Drive, Power Electronics Applications to Renewable Energy Source Conversion systems (PV-Source), Design , Modeling, and Simulation of Power Converters, PWM Control Techniques	----
14	Dr P. Suresh Babu	Digital filtering algorithms, Digital multifunction relays, Adaptive protection schemes for smart grid, Wide area protection with Synchrophasor and PMU AI based Fault locating techniques	Relay testing methods Filtering algorithms development
15	Dr. Narasimharaju B L	AC-DC & DC-DC Conversions, PWM Techniques, SRM Drives, LED drivers, Bidirectional Power Converters, Solar PV based applications like for pumping systems, Lighting systems, Electric vehicles etc	AC-DC & DC-DC Conversions, PWM Techniques, SRM Drives. Lighthing systems, LED drivers etc.
16	Dr. A. Kirubakaran	Renewable Energy Sources and Grid Integration	----
17	Dr. P. Chandrasekhar	Renewable Energy Systems, Photovoltaic Power Generation systems, Fuel cell Systems, Wind Generation Systems, Smart Controllers for Microgrid/Smart Grid Systems, Energy Management in Hybrid AC Microgrid Systems, Soft Computing Applications to Power Quality Problems	Energy Audit, Solar Photovoltaic Conversion systems, Renewable Energy Systems, Smart Controllers for Microgrid/Smart Grid Systems, Energy Management in Hybrid AC Microgrid Systems

7. Membership in Professional and S&T Bodies

S.No.	Name of the Faculty	MEMBERSHIP in PROFESSIONAL and S&T BODIES
1	Prof. M. Sydulu	IEEE- Number :90328874, ISTE- Number: LM15532
2	Prof. D.M. Vinod Kumar	FELLOW – INSTITUTION OF ENGINEERS (INDIA) KOLKATTA LIFE MEMBER – SYSTEM SOCIETY OF INDIA MEMBER – AUTOMATIC CONTROL & DYNAMIC OPTIMIZATION SOCIETY (ACDOS)
3	Prof. D.V.S.S. Siva Sarma	Senior Member IEEE, Fellow of IE(I)
4	Prof. N Subrahmanyam	Member- ISTE Member-IEEE
5	Prof. V.T. Somasekhar	Life Member ISTE Member IEEE, Member IEEE Industrial Electronics Society
6	Dr. N. V. Srikanth	ISTE life member, Member in IEEE Member in the Institution of Engineers India
7	Dr. S. Srinivasa Rao	Indian Society for Technical Education(ISTE) Life Member LM 20270 Systems Society of India (SSI) Life Member LM 20006 Institution of Engineers (India) Life Member M129215-8 IEEE Member (USA) Member 91175000 Society of Power Engineers (India) Life Fellow LF/5320 Instrument Society of India Life Member LM 2103
8	Dr. 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 2016 Renewed the Membership of IEEE Power and Energy Society, New Jersey, USA for 2016 Renewed the Membership of IEEE Technology and Engineering Management Society for 2016 Renewed the Membership of IEEE Computational Intelligence Society for 2016 Renewed the Membership of The Committee for International Conference on Large High Voltage Electric Systems (CIGRE) India for 2016
9	Dr. M. Sailaja Kumari	Member of IEEE PES, WIE, Life member ISTE
10	Dr. S. Porpandi Selvi	Membership in IEEE Power Electronics Society
11	Dr. P. Srinivasan	IEEE Member
12	Dr. Y.Chandra Sekhar	IEEE Member
13	Dr. A.V. Giridhar	IEEE - Member
14	Dr. Ch. Ramulu	Life Member, Indian Society for Technical Education(LM 65108) IEEE Member # 92940116
15	Dr P. Suresh Babu	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
16	Dr. M. Udaya Bhasker	IEEE Member # 92452634
17	Dr. Sachin Jain	Senior Member IEEE
18	Dr. B.L. Narasim-haraju	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)
19	Dr. A. Kirubakaran	IEEE Member Life member in *The Indian Society for Technical Education*(ISTE) Life member in *System Society of India*(SSI)
20	Dr.P.Chandrasekhar	IEEE Member (Power & Energy Society, Communications Society and Control Systems Society) Member IEEE Young Professionals Member IEEE Smart Grid Community Member IEEE Smart Cities Community

8. Membership in Editorial Boards of Research Journals

S.No.	Name of the Faculty	Membership in Editorial Boards of Research Journals
1	Dr. V.T. Somasekhar	Member, Editorial Board, Inderscience International Journal of Power Electronics
2	Dr. P. Suresh Babu	1) International Journal of Electronic Networks, Devices and Fields, ISSN 0974-2182 (http://www.ripublication.com/irph/call_for_papers/ijendf.pdf) 2) International Journal of Innovative Technology and Exploring Engineering(TM) ISSN:2278–3075 (http://ijitee.org/editor.php) 3) International Journal of Recent Technology and Engineering (TM) ISSN: 2277 – 3878 (http://www.ijrte.org/editor.php) 4) World Academy of Science, Engineering and Technology (http://www.waset.org/search.php)
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.

9. Administrative / Co-Curricular / Other Additional positions held by the Faculty

Sl. No.	Name	Designation	Additional Duty	Duration	
				From	To
1	Dr. D.M. Vinod Kumar	Professor	1) Chairman, Library Advisory Committee 2)Professor-in-Charge of Electrical Section of Project Engineering Unit	----	----
2	Dr.D.V.S.S.Siva Sarma	Professor	1) Professor i/c Industry Institute Interaction 2)Chairman- Admissions 3) Professor i/c EPICS	----	----
3	Dr. N Subrahmanyam	Professor	Nodal officer-Solar rooftop project of the institute	November 2015	Present
4	Dr. N Subrahmanyam	Professor	Member- Institute master Plan and Space Reorganization committees	May 2014	Present
5	Dr. N.Vishwanathan	Professor	Head of the Department	19.11.2014	16.11.2016
6	Dr. V.T. Somasekhar	Professor	Faculty Advisor – Spring Spree - 2017	3rd March 2017	5th March 2017
7	Dr. Ch Venkaiah	Associate Professor	Associate Dean (Academic Audit)	01.04.2016	31.03.2017 and continuing
8	Dr. Ch Venkaiah	Associate Professor	Branch Counselor IEEE Student Branch NIT Warangal	01.04.2016	31.03.2017 and continuing
9	Dr. Ch Venkaiah	Associate Professor	Faculty Mentor, TEP-ISB Hyderabad at NIT Warangal	01.04.2016	31.03.2017 and continuing
10	Dr. Ch Venkaiah	Associate Professor	Member WSDC Coordination Team	01.04.2016	31.03.2017 & continuing
11	Dr. Ch Venkaiah	Associate Professor	Member (EL) IE(I) Warangal Local Centre	01.04.2015	25.10.2016
12	Dr. Ch Venkaiah	Associate Professor	Honorary Secretary IE(I) Warangal Local Centre	26.10.2016	31.03.2017 and continuing
13	Dr. Ch Venkaiah	Associate Professor	Faculty Advisor Electrical Engineering Association	01.04.2016	29.04.2016
14	Dr. Ch Venkaiah	Associate Professor	Head of Power Systems Engineering (PSE) Section	01.04.2016	28.10.2016
15	Dr. M.Sailaja Kumari	Associate Professor	Chairperson, Women Protection cell	June, 2015	Till date
16	Dr. M.Sailaja Kumari	Associate Professor	Faculty advisor, IEEE Women in Engineering Student Branch affinity group of NITW	SINCE 2008.	Till date
17	Dr. Nagu Bhookya	Assistant Professor	Co-coordinator M.Tech.,(PSE)	2016	till date
18	Dr. Nagu Bhookya	Assistant Professor	Caretaker NCC Unit	4-8-2017	till date
19	Dr. Chandrasekhar Yammani	Assistant Professor	Timetable In-charge for EED	2014	Till date
20	Dr. Chandrasekhar Yammani	Assistant Professor	Faculty In-charge of Dissertation Part-B Viva vice Examination for M.Tech (PSE) II year students	July 2016	June 2017
21	Dr. Udaya Bhasker M	Assistant Professor	EEA-Treasurer	2014	Till date
22	Dr. Sachin Jain	Assistant Professor	EEA-Faculty Advisor	2015	2017

23	Dr. Sachin Jain	Assistant Professor	Member- Technozium	2015	2017
24	Dr. D Sreenivasarao	Assistant Professor	Time-table in-charge	----	----
25	Dr. P. Chandrasekhar	Assistant Professor	Faculty-in-Charge, Electrical Simulation Lab, III B.Tech, EEE	----	----
26	Dr. P. Chandrasekhar	Assistant Professor	Faculty Coordinator, I Year M.Tech, PED	2016	2017

10. Administrative Roles

A. Departmental

Sl. No.	Name of the Faculty	Role	Faculty-in-charge	Term
1	Prof. Bhagwan K. Murthy	Recommending books for Central Library	Library	2 years
2	Prof.V.T. Somasekhar	Head of the Department	Electrical Engineering	2 years
3	Dr. N. V. Srikanth	Chairmen for M. Tech (PSE) Dissertations	PG Dissertations for Power systems section	2 years
4	Dr. S. Porpandi Selvi	Member, DAC UG		2016-2017
5	Dr. P. Srinivasan	SECTION HEAD	POWER ELECTRONICS AND DRIVES	NOVEMBER 18, 2017 – TILL DATE
6	Dr. A.V. Giridhar	Faculty-in-charge	POWER SYSTEMS LAB	28/08/2014 onwards
7	Dr. Ch. Ramulu	Faculty In-charge	DAC-UG- Member	July 2014 to June 2015
8	Dr. P. Suresh Babu	Faculty In-charge	Department Computer Lab	Sep- 2013 to till date
9	Dr P. Suresh Babu	Member-DAC-PG&R	EED	Sep- 2015 to till date
10	Dr P. Suresh Babu	Member – DAAC	EED	Oct - 2013 to till date
11	Dr. M. Udaya Bhasker	B.Tech. (II/IV), sem-I	Udaya Bhasker M	2015-16
12	Dr. Sachin Jain	Lab course EE-5105 In-charge	EE-5105 In-charge	2016-17
13	Dr. Sachin Jain	PED M.Tech Project Viva voce Incharge 2016-17	Project Viva voce Incharge	2016-17
14	Dr. B. L. Narasimharaju	Department Coordinator	Training & Placements	July 2014 to Till Date
15	Dr. B.L. Narasimharaju	Faculty In-charge for Lab Development & Maintenance	Control System Lab", EED	June 2012 to Till date
16	Dr. A. Kirubakaran	Electrical Machines Lab	Dr. A. Kirubakaran	Oct' 2013 to till date

B. Institutional

Sl. No.	Name of the Faculty	Role	Faculty-in-charge	Term
1	Dr. A.V. Giridhar	Faculty Coordinator	T & P Section	17/12/2012 onwards
2	Dr. Ch. Ramulu	Member	Center of Automation and Instrumentation (CAI)	November 2015 to Till date
3	Dr P. Suresh Babu	Faculty Adviser, P E Unit	Electrical Section	06-12-2013 to 22-06-2017
4	Dr. M. Udaya Bhasker	Instructor for GATE classes (Signals & Systems)	Dr. Subash Chandra Bose	Nov,16-Feb,17
5	Dr. B.L. Narasimharaju	Member	Center of Excellence in "Sustainable Energy Studies, TEQIP-II	November 2014 to Till date
6	Dr. B.L. Narasimharaju	Member	Grid Connected Solar PV Rooftop Project at NITW, MNRE-SPIN Under JNNSM,	November 2015 to Till Date
7	Dr. G Siva Kumar	Warden for 1K - Block 1 (Boys hostel)	----	----

11. Other Significant Information

S.No.	Title of Project	Funding Agency	Financial Outlay	Year of start & total period	Name of Pl. and other investigators	Status started or completed or in progress
1	Vetting of Electro Mechanical Designs of HNSS Phase -2 Madakasira Branch Canal Additional Lift L4A	Water Resources Department, SE, HNSS Circle No.1, Kurnool, Govt. of A.P	Rs 1,72,000/-	09-09-2016	Dr. M. Sydulu Dr. N. Subramanyam, Dr. DVSS. Siva Sarma, Dr. RV Chalam	Ongoing
2	Vetting of Trash Rack Drawings L1 to L17 of HNSS Phase -2 Madakasira Branch Canal	Water Resources Department, SE (FAC), HNSS Circle-B, Kurnool	Rs 34,500/-	09-09-2016	Dr. M. Sydulu Dr. N. Subramanyam, Dr. DVSS. Siva Sarma, Dr. RV Chalam	Ongoing
3	Vetting of Revised HT Motors Drawings of HNSS Phase-2 Madakasira Branch Canal, Anantapur	Water Resources Department, CE, Anantapur	Rs 86,250/-	04-01-2017	Dr. M. Sydulu Dr. N. Subramanyam, Dr. DVSS. Siva Sarma, Dr. RV Chalam	Ongoing
4	Vetting of Drawings of Construction of Trash Rack at HNSS Phase-1, Stage-1, PS-2 to PS-8-Main Canal – Kurnool	Water Resources Department, SE (FAC), HNSS Circle-B, Kurnool	Rs. 34,500/-	18-01-2017	Dr. M. Sydulu Dr. N. Subramanyam, Dr. DVSS. Siva Sarma, Dr. RV Chalam	Ongoing
5	HNSS Phase-2 Madanapalli, Alternate Proposals – Vetting of Design Drawings of Pump House	Water Resources Department, SE, HNSS Circle, No-3, Madanapalli	Rs.1,43,750/-	13-02-2017	Dr. M. Sydulu Dr. N. Subramanyam, Dr. DVSS. Siva Sarma, Dr. RV Chalam	Ongoing

S.No.	Name of the Faculty	Other Information
1	Prof. M. Sydulu	1. Selection Committee member of Megha Institute of Engineering and Technology for Women, Ghatkesar, Ranga Reddy. Dated: 17-02-2017 2. Selection Committee member of CVR College of Engineering, Ibrahimpatnam, Ranga Reddy Dated: 08-02-2017 3. BOS meeting of PVP Siddaratha Institute of Technology, Vijayawada. Dated: 28-01-2017 4. Selection Committee member of SR Engineering College, Anantasagar, Warangal. Dated: 30-12-2016 5. BOS meeting of Vagdevi College of Engineering, Warangal. Dated: 09-12-2016 6. Doctoral Committee meeting of VIT, Vellore. Dated: 30-09-2016 7. Chief Guest for Orientation Program of B.Tech First Year of Sumati Reddy Institute of Technology for Women, Warangal. Dated: 05-08-2016 8. Visited NIT Tiruchirapalli to conduct Ph.D. Viva Voce. Dated: 13-07-2016
2	Prof. V.T. Somasekhar	Reviewer of IEEE Transactions on Industrial Electronics, Reviewer of IEEE Transactions on Power Electronics, IET Proceedings on Power Electronics
3	Dr. Ch Venkaiah	1. An M.Tech. Student under my supervision Ms. K S V Sindhu has been conferred with the POSOCO POWER SYSTEM AWARD (PPSA) – 2017 under the Master category for her research work on 'An Energy Acquisition Model for DISCOMs with High Renewable Energy Integration' organized by POSOCO in association with Foundation for Innovation and Technology Transfer (FITT) at IIT Delhi. 2. Coordinated IEEE STAR Program at Government School for Girls, Kazipet on August 27, 2016 under the aegis of IEEE Student Branch NIT Warangal in association with WIE affinity group of Warangal Division. 3. Organized a three day 40th National Systems Conference 2016 during November 04-06, 2016 at NIT Warangal as a Co-Convener under the aegis of Systems Society of India. 4. Associated with IEEE SB at SR Engineering College, Karimnagar by motivating the IEEE Student Members of Warangal Zone under the aegis of IEEE Hyderabad Section and YPE on July 16, 2016 5. Actively involved in organizing a two day Design Thinking Workshop at Innovation and Incubation Centre of NIT Warangal during August 13-14, 2016 under the aegis of Technology Entrepreneurship Program of Indian School of Business, Hyderabad for the benefit of select participants of TEP program from NIT Warangal and KITS Warangal. 6. Organized an awareness program on 'Soft Skills' by an alumni Sri Kishore (ECE-1977 batch) for the benefit of Post Graduate Students under the aegis of Electrical Engineering Association on November 09, 2016. 7. Attended a meeting on EPICS in IEEE initiative with EPICS Purdue University Professor William Oakes at Hotel Raddison, Hitech City, and Hyderabad on March 04, 2017 under the aegis of IEEE Hyderabad Section. 8. Served as a JNTU Hyderabad Vice Chancellor Nominee for selecting the faculty in seven Engineering Colleges under the affiliation of JNTU Hyderabad during February – March 2017.

4	Dr. Y. Chandrasekhar	Selected for the g-LINK (Erasmus Mundus Program under European Union) project to undertake a "Post-Doctorate" mobility, at University of the West of Scotland, United Kingdom for 10 months
5	Dr. Ch. Ramulu	Reviewer of Inderscience International Journal of Power Electronics.
6	Dr. M. Udaya Bhasker	Visited RCI-Hyderabad to discuss a project proposal on 22nd July 2016.
7	Dr. B.L. Narasimharaju	Attended Three Day TEQIP-II National Conference on "Sharing of achievements and Innovative ideas of CoEs" 21st to 23rd April 2016, Siddaganga Institute of Technology Tumkur & SPFU Bangalore, Karnataka.

Project Proposal Submitted during April 2015 to March 2016

S No	Principal Investigator	CO-Investigator	Title of the Project	Agency applied to	Project Value and duration	The date of forwarding the Application	Status
1	Dr. B.L. Narasim-haraju	Prof. N. Vishwa-nathan	Solar Power Based Soft-Switched Power Converters for LED Street Lighting System	CPRI Bangalor e	Rs.43/- Lakhs, 2 Years	19-09-2014	**Submitted Revised Proposal**
2	Dr. B.L. Narasim-haraju	Dr. S. Srinivasa Rao Prof D M Vinod Kumar	Design and Development of High Efficient Modular Power Conditioning System for Hybrid Electric Vehicle (HEV) Applications	EMR-SERB-DST	Rs.57.262 /- Lakhs	27/12/2016	**Stage-2 Review considerati on by Expert Committee**
3	Dr. S. Porpandiselvi	Prof. N. Vishwa-nathan Dr. B L Narasim-haraju	Development of Solar Powered Multiple-Output Induction Cooking System for Rural Applications	EMR-SERB-DST	Rs.41.58/ - Lakhs	23/12/2016	**Stage-2 Review considerati on by Expert Committee**

Mechanical Engineering Department:

1. Patents Registered / Won

S.NO.	Name of the Faculty	Patent's Registration No.	Status (Pending / Won)
1.	Dr. D. Jaya Krishna	4124/che/2015	Pending – awaiting examination

2. Achievements / Awards / Innovations

Pr	Name of the Faculty	Nature of the Achievement / Award / Innovation
1	Dr. V.P. Chandramohan	DST, SERB project awarded for the scheme of 'Empowerment and Equity Opportunities for Excellence in Science'

3. Extention / Expert / Invited Lectures delivered elsewhere

S. NO.	Name of the Faculty	Lecture Title	Place	Dates
1	Dr. V.P. Chandramohan	CFD and its applications on solar drying of food products:. FDP Programme on 'Future Trends in Green Energy',	AlagappaChettiar College of Engg. and Tech., Karaikudi, 18-24th July 2016.	18-24th July 2016.
2	Dr. V.P. Chandramohan	Sources and applications of green energy on the event of FDP Programme on Future Trends in Green Energy.	AlagappaChettiar College of Engg. and Tech., Karaikudi, 18-24th July 2016.	18-24th July 2016.
3	Dr. V.P. Chandramohan	Practical Problems in Transient Heat Conduction	Vel Tech Dr. RR & Dr. SR University, Avadi, Chennai, Tamilnadu	14th February 2017
4	Dr. V.P. Chandramohan	Thermodynamics & Its Practical Applications	SA Engineering College, Veeraraghavapuram, Chennai, Tamil Nadu - 600 077	14th February 2017
5	Dr. V.P. Chandramohan	Discretization Procedures and Numerical Solution for Simultaneous Heat and Mass Transfer Equations	Vel Tech Dr. RR & Dr. SR University, Avadi, Chennai, Tamilnadu (27th Dec. to 1st Mar., 2017)	1st Mar., 2017
6.	Prof. K.V.Sai Srinadh	NDT of castings,forgings and weldments	Vasavi Institute of Technology,MTM	March
7.	Dr. G. Raghavendra	Challenges in Manufacturing of composites- Standardization, Cost effectiveness, Waste disposal, Recycling.	r.v.r. & j.c.college of engineering, (autonomous) chowdavaram:: guntur – 522 019. andhra pradesh.	20-21st , April 2017
8.	Dr.G. Raghavendra	Tribological behaviour of polymer composite	st.ann's college of engineering & technology, chirala	14-15 , April 2017
9.	D. Jaya Krishna	Computational Methodologies in Mechanical Engineering	GayatriVidyaParishad, School of Engineering, Department of Mechanical Engineering Rushikonda, Visakhapatnam, India	11-03-2017
10.	Dr. Y. Ravi Kumar	Medical Modelling& Additive Manufacturing	A One-Week GIAN Course on 3D Printing & Additive Manufacturing International Faculty as Prof. Ian Ginson, Deakin University, Australia, NIT Warangal.	June 24, 2016
11.	Dr. Y. Ravi Kumar	Solid Modelling, STL file Generation and Build-setup Preparation	A Two-Day Workshop on Hands on Practice on 3D Printing, Malla Reddy Engineering College, Hyderabad.	July 02, 2016
12.	Dr. Y. Ravi Kumar	Additive Manufacturing Data Formats & Issues	A DST Sponsored Two-Day National Level Seminar on Recent Advances in Additive Manufacturing, Madanapalle Institute of Technology & Science, Madanapalle	August 20, 2016

13.	Dr. Y. Ravi Kumar	Bio-implants & Additive Manufacturing	A TEQIP Sponsored Six-Day National Workshop on Research Trends in Mechanical Engineering, Department of Mechanical Engineering, NIT Trichi, Trichi.	August 30, 2016,
14.	Dr. Y. Ravi Kumar	Additive Manufacturing in Rapid Tooling	A TEQIP Sponsored Faculty Development Programme on Additive Manufacturing and It's Applications, Department of Mechanical Engineering, Coimbatore Institute of Technology (CIT), Coimbatore.	September 14, 2016
15.	Dr. Y. Ravi Kumar	Global Perspective of 3D Printing & Additive	A TEQIP Sponsored One-Week Short Term Training Program on 3D Printing & Additive Manufacturing: The 3rd Industrial Revolution, Government College of Engineering, Chandrapur	September 26, 2016
16.	Dr. Y. Ravi Kumar	Additive Manufacturing in Oral & Maxillofacial Surgeries	A QIP Short Term Course on Additive Manufacturing: Theory and Practice, IIT (BHU), Varanasi.	March 17, 2017
17.	Dr. Y. Ravi Kumar	3D Printing: Future Manufacturing	A TEQIP Sponsored Two-Day National Workshop on 3D Printing: A Tool for Future Manufacturing, GITAM University, Vishakhapatnam.	March 21, 2017
18.	Dr. S. Kanmani Subbu	Ant Colony Optimization: A Meta-heuristic Approach to Research Problems	VIT Vellore, Tamil Nadu,	27th March, 2017
19.	Dr. S. Kanmani Subbu	Research Methodology	Computation Research Techniques with MATLAB by NIT Warangal NIT Warangal	26-31 Dec, 2016
20.	Dr. S. Kanmani Subbu	Research Scope in Laser shot Peening	Research Trends in Mechanical Engineering, TEQIP-II, at National Institute of Technology, Trichy, Tamil Nadu	29th August - 3th September, 2016
21.	Dr. S. Kanmani Subbu	Research methodology	A 5-day workshop on Research Techniques for Mechanical Engineering, TEQIP-II, in Shri Vishnu Engineering college for Women, Bhimavaram, A.P., India	23rd -27thAugust, 2016
22.	Dr. S. Kanmani Subbu	Overview of Advanced Manufacturing Processes	Sri Venkateshwara Institute of Science and information Technology (VISIT), Tadepalligudem, A.P., India	24th August, 2016
23.	Dr. S. Kanmani Subbu	Electric Discharge Machining of Advanced Material	A 5-Day workshop on Manufacturing of Advanced Materials (MAM-2016) Department of Mechanical Engineering, VNIT Nagpur	27th June- 1st July, 2016 organized by
24.	Dr. S. Kanmani Subbu	Micro EDM: Capabilities and Applications	Workshop on Advanced Micro/nano Technologies by Knowledge of Incubation for TEQIP held between , 2016 at IIT Kanpur in Uttar Pradesh	May 09 May 13
25.	Dr. S. Kanmani Subbu	Micro EDM	one day seminar on High Energy Micro machining and surface processing sponsored Technical Education Quality improvement Programme (TEQIP-II),A.C.College of Technology , Karaikudi Tamil Nadu	6th May 2016
26.	Dr. S. Kanmani Subbu	Data collection and Report Writing	3- Day National workshop on Research Methodology and Report Writing, S.V University Tirupati, Andra Pradesh.	21-23, April 2016

5. Conferences / Symposia Sessions chaired

S.NO.	Name of the Faculty	Event Title	Place	Dates
1.	Dr. V Suresh Babu	First International and Eighteenth National ISME Conference on Enabling Sustainable Development in Mechanical Engineering (ISME 2017)	NIT Warangal, INDIA	February 23-25, 2017

6. International Visits

S.NO.	Name of the Faculty	Countries Visited	Organisations Visited	Dates
1.	Dr.G. Raghavendra	Europe	Department of Physical Chemistry and Materials Science Budapest University	August 28 to September 1, 2016.
2.	Dr. G.Naga Srinivasulu	Boston, Massachusetts, USA	MIT, Harvard University	22-26, May, 2017

7. Research and Consultancy Expertise

A. Research Areas Active in

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

B. Consultancy Capabilities in

- Solving practical problems
- Solar drying
- Freeze drying
- Vibration Control
- Finite Element Analysis
- Welding of similar and dissimilar materials
- EDM of different materials
- Design of solar thermal devices
- Computational Fluid Dynamics

- Heat transfer
- Latent heat storage materials
- Porous media
- Structural Dynamics, Damage identification
- Designing of A/C systems
- Machining
- Functionally graded materials
- Calibration of Metrology instruments
- Tribological related issues in industries

Membership in Professional and S&T Bodies

- Life Member of Indian Society for Heat and mass transfer (ISHMT) - ISHMT No: 824
- Life Member of Indian Society for Technical Education (ISTE) - LM 87388
- The Institution of Engineers (India) - Member (No: M-1509165)

8. Membership in Educational Boards of Research Journals

Editorial Board member in

- International journal and magazine of Engineering, Technology, Management and Research - A product of Yuva Engineers, ISSN: 2348-4845.
- IOSR - Journal of Mechanical and Civil Engineering (IOSR-JMCE), ISSN: 2278-1684.
- International Journal of Mechanical and Production Engineering (IJMPE) - International Reviewer Board, ISSN: 2320-2092

Review board member in

- Energy, Publisher: Elsevier, Denmark
- Heat and mass transfer, Publication: Springer, Germany.
- Heat Transfer Engineering, Publication: Taylor & Francis, Stillwater, USA.
- Journal of Institution of Engineers - Series C (India) - Springer, India.
- Proceedings of the Institution of Mechanical Engineers, Part E - Journal of Process Mechanical Engineering, SAGE Publications, New York.
- Journal of Applied Fluid Mechanics, SCI, Iran, IF: 0.8

9. Administrative / Co-Curricular / Other additional positions held by the Faculty

S.NO.	Name	Designation	Additional Duty	Duration	
				From	To
1.	Prof.K.V.Sai Srinadh	Professor	Faculty Advisor-Mechanical Engineering Association	2016	2017
2.	Dr.G..Raghavendra	Assistant professor	B tech 3rd year coordinator	2016 MARCH	Till date
3.	Dr.G..Raghavendra	Assistant professor	Warden for IFCC mess	2016	Till date
4.	Dr.G..Raghavendra	Assistant professor	BAJA team faculty advisor	2016	Till date
5.	Dr. D. Jaya Krishna	Assistant Professor	Warden	16-11-2016	Till date
6.	Dr. G.NagaSrinivasulu	Assitant Professor	Hostel warden	July, 2014	Dec, 2016
7.	Dr. G.NagaSrinivasulu	Assitant Professor	Procurement coordinator-TEQIP-II	Oct, 2014	March, 2017
8.	Dr. G.NagaSrinivasulu	Assitant Professor	Procurement coordinator-TEQIP-III	April, 2017	Till date

10. Administrative Roles

A. Departmental

S.No.	Role	Faculty-in-charge	Term
1	Head of the Department	Prof. P. Bangaru Babu	12th June 2017 -
2	B.Tech Final Year Project Co-ordinator, 2013-17 Batch	Prof. Bangaru Babu, Dr. Srikanth, Dr. V.P. Chandramohan	July 2016 - June 2017
3	Refrigeration and Air conditioning lab In-charge from 24/10/2014 - MED/NITW	Dr. V.P. Chandramohan	From 24/10/2014 to till date
4	Time table In-charge	Dr. V.P. Chandramohan	From 28/04/2017
5	UG Coordinator MED association	Dr. B. Satish Ben	1 year
6	Materials characterization techniques lab(proposed)	MCT lab Dr. K.V.Sai srinadh,Dr.A.Kumar	2016-17
7	B tech 3rd year coordinator	Dr.G. Raghavendra	
8	BAJA team faculty advisor	Dr.G. Raghavendra	
9	I/C of manufacturing Simulation Lab	Dr. A. Veeresh babu	2005 - till date
10	Member of Department purchase committee (DPC)	Prof. A. Venugopal Prof. P. Ravi Kumar	2017-
11	Member of DAC UG and DAC PG/R		2012 - till date
12	In charge: Rapid Prototyping Laboratory	Dr. Y. Ravi Kumar	07 years (till date)
13	Program Coordinator: M.Tech (Additive Manufacturing)\	Dr. Y. Ravi Kumar	01 year (till date)
14	Coordinator for M.Tech, Automobile Engineering	Dr. G.Naga Srinivasulu	May, 2016 to Till date
15	Lab In-charge Automobile Engineering Lab	Dr. G.Naga Srinivasulu	June, 2014 to Till date
16	Lab In-charge-tribology	Dr. Syed Ismail	June, 2014 to Till date

B. Institutional

S.No.	Role	Faculty-in-charge	Term
1	Member of Centre of Excellence (COE) in NITW from 17/10/2014	Dr. V.P. Chandramohan	From 17/10/2014 to till date
2.	Liaison officer for SC/ST		2016-17
3.	Member of B.Tech admission JoSAA 2017		2017
4.	Hostel Warden	Dr. Y. Ravi Kumar	02 years
5.	Editorial Member of Institute News Letter	Dr. Y. Ravi Kumar	04 years
6.	Faculty Advisor of Photography Club	Dr. Y. Ravi Kumar	02 years
7.	Hostel Warden	Dr. G. Raghavendra	2016-till date

Electronics and Communication Engineering Department:

1. Achievments/Awards/Innovations

S.NO	Name of the Faculty	Nature of the Achievement/ Award/ Innovation
1.	Dr.T.Kishore Kumar	Best Engineering Research Award for the Year 2017 given by NITW and NITW Alumni Association
2.	Dr.T.Kishore Kumar	Research Excellence Award-2017 by Institute for Exploring Advances in Engineering (IEAE)

2. Extention/Expert/Invited Lectures delivered elsewhere

S.No	Name of the Faculty	Lecture Title	Place	Dates
1.	Dr. S. Anuradha	Faculty Development Programme	Tadepalligudem, AP	27th April, 2016
2.	Sri. S.K.L.V Sai Prakash	Faculty Development Programme	Tadepalligudem, AP	27th April, 2016
3.	Sri. K.V Sridhar	Faculty Development Programme	Tadepalligudem, AP	26th April, 2016
4.	Dr. J. Ravi Kumar	Faculty Development Programme	Tadepalligudem, AP	26th April, 2016
5.	Dr T. Kishore Kumar	Faculty Development Programme	Tadepalligudem, AP	25th April, 2016
6.	Sri. M.V.Raghunadh	Faculty Development Programme	Tadepalligudem, AP	29th April, 2016
7.	Dr. C.B. Rama Rao	Faculty Development Programme	Tadepalligudem, AP	28th April, 2016
8.	Dr. L. Anjaneyulu	Faculty Development Programme	Tadepalligudem, AP	28th April, 2016
9.	Sri. A. Prakasa Rao	Faculty Development Programme	Hyderabad	3rd,4th&5th June, 2016
10.	Dr. N. Bheema Rao	Electronic Devices and Circuits	Hyderabad	1st,2nd & 6th June, 2016
11.	Dr. J. Ravi Kumar	Control System Design using MATLAB	Guntur	29th July, 2016
12.	Dr. J. Ravi Kumar	Control System Design using MATLAB	Guntur	05th August, 2016
13.	Dr. T. Kishore Kumar	Advances in Signal Processing	Ongole	05th August, 2016
14.	Dr. D. Vakula	RF Practical Antenna Design	Hyderabad	11th August, 2016

15.	Dr. V. Venkata Mani	Wireless Communication Technologies	Visakhapatnam	29th August-3rd September, 2016
16.	Dr. T. Kishore Kumar	Speech Enhancement and its Applications	Kerala	8th,9th September, 2016
17.	Dr. J. Ravi Kumar	Introduction to Robotics	Guntur	16th September, 2016
18.	Dr. T. Kishore Kumar	Digital Image Processing, Pattern,Recognition and its Applications.	Pulivendula, AP	19th,20th September, 2016
19.	Prof. N.V.S.N Sarma	Design and Simulation of Antennas and Microwave Devices using ANSYS HFSS	Bhimavaram	06th October, 2016
20.	Prof. N.V.S.N Sarma	Advanced Antenna Design	Visakhapatnam	19th October, 2016
21.	Sri. S.K.L.V Sai Prakash	Wireless Communication and Recent Researches	Kerala	27th,28th October, 2016
22.	Dr. T. Kishore Kumar	Recent Trends in Signal Processing	Guntur	31st October,1st November, 2016
23.	Sri. K.V Sridhar	Recent Trends in Signal Processing	Guntur	02nd November, 2016
24.	Sri. M.V.Raghunadh	Recent Trends in Signal Processing	Guntur	3rd November, 2016
25.	Dr. T. Kishore Kumar	Recent Trends in Signal Processing	Guntur	05th November, 2016
26.	Sri. M.V.Raghunadh	Recent Trends in Signal Processing	Vizianagaram	09th November, 2016
27.	Dr. C.B. Rama Rao	Recent Trends in Signal Processing	Vizianagaram	09th November, 2016
28.	Dr. C.B. Rama Rao	Digital Signal Processing and its applications	Visakhapatnam	10th November, 2016
29.	Dr. S. Anuradha	Recent Trends in Signal Processing	Vizianagaram	11th November, 2016
30.	Sri. K.V Sridhar	Digital Signal Processing and its applications	Visakhapatnam	11th November, 2016
31.	Dr. J. Ravi Kumar	Digital Signal Processing and its applications	Visakhapatnam	16th November, 2016
32.	Sri. M.V.Raghunadh	Digital Signal Processing and its applications	Visakhapatnam	17th November, 2016
33.	Dr. V. Venkata Mani	Wireless Communications and their applications	Visakhapatnam	05th-10th December, 2016
34.	Sri. K. Ravi Kishore	Internet of Things	Nellore	19th December, 2016
35.	Dr. D. Vakula	Globalising Electromagnetic Education, IEEE APS Membership Development and WIE Programs	Bangalore	19th,20th December, 2016
36.	Dr. J. Ravi Kumar	Image and Signal Processing using MATLAB	Guntur	23rd December, 2016
37.	Dr. T. Kishore Kumar	Emerging trends in Electronics and Communication Engineering	Guntur	20th January, 2017
38.	Prof. N.V.S.N Sarma	Thin Film Coatings and Nano Electronics	Visakhapatnam	25th January, 2017
39.	Dr. T. Kishore Kumar	Embedded Real time Systems	Ananthapur	01st February, 2017
40.	Prof. N.V.S.N Sarma	Thin Film Coatings and Nano Electronics	Hyderabad	02nd February, 2017
41.	Sri. K.V Sridhar	Embedded real Time Systems	Ananthapur	08th February, 2017
42.	Dr. T. Kishore Kumar	Embedded real Time Systems	Ananthapur	10th February, 2017
43.	Prof. N.V.S.N Sarma	Recent trends in Microwave, Antenna and Wireless communication	Ranchi	03rd March, 2017
44.	Sri. K.V Sridhar	Signals and Stochastic Processes	Hyderabad	09th March, 2017
45.	Prof. N.V.S.N Sarma	Faculty Development Programme	Tirupati	22nd March, 2017
46.	Prof. N.V.S.N Sarma	Signal Processing for LTE and 5G Communications	Guntur	23rd March, 2017
47.	Sri. K. Ravi Kishore	Internet of Things	Visakhapatnam	25th March, 2017
48.	Dr. B. Lakshmi	Internet of Things	Visakhapatnam	25th March, 2017
49.	Dr. B. Lakshmi	Faculty Development Programme	Gudlavalleru	30th March, 2017

3. International Visits

S.No	Name of the Faculty	Countries Visited	Organisations Visited	Dates
1.	Dr. V. Venkata Mani	Qatar	IEEE International Conference on Wireless Communications and Networking Conference (WCNC 2016)	3rd-6th April, 2016
2.	Dr. V. Venkata Mani	Greece	23rd International Conference on Communications (ICT 2016)	16-18th May 2016
3.	Dr. S. Anuradha	France	11th International Conference on Cognitive Radio Oriented Wireless Networks (CROWNCOM 2016)	30th May-1st June 2016
4.	Dr. D. Vakula	USA	38th annual Symposium of the Antenna Measurement Techniques association AMTA 2016	30th October-03rd November, 2016
5.	Prof. N.V.S.N Sarma	USA	38th annual Symposium of the Antenna Measurement Techniques association AMTA 2016	30th October-04th November, 2016
6.	Dr. P. Sreehari Rao	Malaysia	Advancement Research in Circuits and Systems International Conference (ARECAS 2016) being organized by Malaysia Technical Scientist association(MALTESAS)	20th-22nd December, 2016

4. Memoranda of Understanding (MoUs) the Institute has signed through the department exclusively:

S.No	External organisation	MoU signed on	Remarks
1.	Electronic Corporation of India Limited	16, September 2013	1. Faculty training at ECIL on mutually agreeable terms. 2. Faculty exchange programmes in cutting edge technology areas. 3. Student Projects at ECIL for M.Tech and Ph.D students. 4. Joint research Projects between ECIL and NITW.
2.	Research Centre Imarat, (RCI), Hyderabad	30, October 2013	1. Faculty and Scientists visit to RCI and NITW for Research collaboration. 2. Faculty and RCI Scientists Jointly conducting training programs in cutting edge technology areas.
3.	Apollo Computing Laboratories pvt. Limited (ACL)	13, March 2014	1. To provide opportunities for research interactions and industrial environment exposure for M.Tech and Ph.D students. 2. Jointly conducting need-based short-term courses, seminars, and symposia. 3. Student projects at ACL for M.Tech and Ph.D students. 4. Joint Research projects between ACL and NITW.
4.	Department of Electronics and Information Technology	10, February 2015	1. Bring in a culture of system on chip/ system designing by developing working prototypes with societal applications using mostly in-house designed ASICs/ICs. 2. Capacity building in the area of VLSI/ Microelectronics and chip to system development.
5.	Intel Semiconductor (US) Limited	11, June 2012	
6.	Exseed Space Pvt Ltd	26, June 2017	

5. 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

6. Membership in Editorial Boards of Research Journals

S.No	NAME	Journal	Publisher
1.	Dr. J. Ravi Kumar	International Journal of Image, Graphics and Signal Processing	MECS, Hong Kong
2.	Dr. J. Ravi Kumar	Journal of VLSI Design Tools & Technology	STM, India

7. Administrative Roles

A. Departmental

S.NO	Role	Faculty-in charge	Term
1	B.Tech IVth year Coordinator	Dr. D.Vakula	2016-17
2	B.Tech IIIrd year Coordinator	Sri A.Prakasarao	2016-17
3	B.Tech IInd year Coordinator	Dr.S.Anuradha	2016-17
5	M.Tech ACS Coordinator	Sri MV Ragunadh	2016-17
6	M.Tech EI Coordinator	Sri. K.V Sridhar	2016-17
7	M.Tech VLSI Coordinator	Sri K.Sarangam	2016-17

B. Institutional

S.NO	Role	Faculty-in charge	Term
1.	Dean Academics	Prof. N.V.S..N Sarma	Feb-216 to till date
2.	Chief Investigator E&ICT academy	Prof. N.V.S.N Sarma	
3.	Member, E&ICT academy	Dr.T.Kishore Kumar	
4.	Coordinator Audio visual Sections	Sri P. Muralidhar	
5.	Dy Chief Warden (LH)	Dr.D. Vakula	
6.	Associate Dean Student welfare	Dr. B. Lakshmi	

Department of Metallurgical Materials Engineering

1. Extention / Expert / Invited Lectures delivered Elsewhere

S. No.	Name of the Faculty	Lecture Title	Place	Dates
1	Prof. G. V. S. Nageswara Rao	Nanoparticle Reinforced Metal Matrix Composites (MMCs)	Tirupathi	25-26th November, 2016
2	Dr.N. Narasaiah	Fatigue of Materials at Two day national level technical symposium	JNTU, Vizianagaram, Andhrapradesh	09-10 March 2017
3	Dr.N. Narasaiah	Fracture Mechanics for Materials Evaluations".	"RINL – Vizag Steel Plant" Visakhapatnam	11 March 2017

2. Conferences / Symposia Sessions Chaired

S. No.	Name of the Faculty	Event Title	Place	Dates
1	Dr. N.Narasaiah	First International and the Eighteenth National ISME Conference on Mechanical Engineering: *Enabling Sustainable Development*	NIT, Warangal	23 – 25 February, 2017
2	Dr. Ajoy Kumar Pandey	International Conference on Advances in Metallurgy, Materials and Manufacturing (ICAMMM-2017)	Department of Metallurgical Engineering, Government College of Engineering, Salem, Tamilnadu, India	6-8, March, 2017

3. Memoranda of Understanding (MoUs) the Institute has signed through the Department Exclusively:

S. No.	External Organisation	MoU Signed on	Remarks
1.	**BHEL, Hyderabad**		

4. Research and Consultancy Expertise

A. Research Areas Active in

Extractive Metallurgy, Corrosion and Removal of Heavy Metal Ions from Waste Process Solutions, Process Metallurgy, Sulphide Metallurgy, Surface Engineering, 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**.**

5. Membership in Professional and S&T Bodies

(1) Prof. M.K. Mohan: Life Member (IIM), SFA
(2) Prof. G.V.S. Nageswara Rao: Life member of IIM, PMAI, ISTE, MRSI, EMSI, IIW and SFA
(3) Sri. P.Ravindar: Life Member (IIM), SFA
(4) Dr. N. Narasaiah: Life Member (IIM), SFA
(5) Dr. C.Vanitha: Life Member (IIM), Life Member (MRSI), Life Member (PMAI), SFA
(6) Dr. Asit Kumar Khanra: Life member of SFA
(7) Mr.V. Rangadhara Chary: Life member of SFA
(8) Dr. Ajoy Kumar Pandey: Founder Life Member in society for failure analysis (Membership No.FLM-SFA-0341), Lifetime Member in the Electron Microscope Society of India (Membership No.LM-1202), Lifetime Member in The Indian Institute of Metals (Membership No.54789), Lifetime Member in the Materials Research Society of India (Membership No. LMB 2650), Lifetime Member in the Powder Metallurgy Association of India (Membership No. LM 95616)
(9) Dr. Brahma Raju Golla: Life member of SFA
(10) Dr. Arockia Kumar: Life member, Indian Institute of Metals (IIM), PMAI, EMSI.
(11) Dr. T.Jayakumar, Fellow, INAE, TAS-Chennai, IIM and ISNT and Life Member, MRSI, ASI and IIW

6. Membership in Editorial Boards of Research Journals

Asit Kumar Khanra:

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

7. Administrative / Co-Curricular / Other additional positions held by the Faculty

S. No.	Name	Designation	Additional Duty	Duration	
				From	To
1	Dr.M.K. Mohan	Professor	Head of the Department	01.02.2017	Till date
2	Dr.M.K. Mohan	Professor	Professor in-charge, Centre for Advanced Materials	06.12.2010	Till date
3	Dr.M.K. Mohan	Professor	Chief Vigilance Officer (In charge Part Time)	08.08.2014	Till date
4	Sri. P.Ravindar	Assoc. Professor	Head of the Department	10.08.2016	31.01.2017
5	Dr.G.V.S. Nageswara Rao	Professor	Dean, Research and Consultancy	01.07.2014	01.07.2016
6	Dr. N.Narasaiah	Assoc. Professor	Head of the Department	18.03.2013	09.08.2016
7	Dr. Bonta Srinivasa Rao	Asst. Professor	Warden	01.01.2015	01.04.2017

8. Administrative Roles

A. Departmental

S. No.	Role	Faculty-in charge	Term
1	Member DPC, Member DAC-UG, Member DAC-PG	Prof. M.K. Mohan	Since 2012
2	Coordinator for FIST, Supported by DST, Member DAC-UG, Member DAC-PG	Prof. G. V. S. Nageswara Rao	5 years - January 2010 onwards
3	Member DPC, Member DAC-UG, Member DAC-PG	Sri. P.Ravindar	Since 2012
5	Head of the Department Member DAC-UG, Member DAC-PG	Dr. N.Narasaiah	Since 18.03.2013
6	Department library advisory committee member	Dr. C. Vanitha	Since 2008
7	SEM In-Charge, TEQIP Coordinator, Phase	Dr. Asit Kumar Khanra	Since 2008

	Transformations & Heat Treatment Lab		
8	Class advisor for M.Tech, DAC-PG Member	Dr. Ajoy Kumar Pandey	Since 2014
9	Class advisor for B.Tech II year, Department training and placement representative, Adhoc Faculty Recruitment Coordinator, Annual Report Coordinator, DAC-UG Member, Depatment Time table Incharge, UPEM Lab Incharge	Dr. Brahma Raju Golla	Since 2014
10	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
11	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	Prof.M.K. Mohan	From 06.12.2010 onwards
2	Chief Vigilance Officer (In charge Part Time)	Prof.M.K. Mohan	From 08.08.2014 onwards
2	Dean, Research & Consultancy	Prof.G.V.S. Nageswara Rao	From 1st July, 2014 (for 2 years)
3	Head of the Department	Dr. N.Narasaiah	18.03.2013 – 09.08.2017
4	Warden	Dr. Bonta Srinivasa Rao	01.01.2015 to 01.04.2017

9. Other Significant Information

Sri P. Ravindar: Superannuated on 31.01.2017

Chemical Engineering Department:

1. Patents Registered / Won

S. No.	Name of the Faculty	Patent's Registration No.	Status (Pending / Won)
1	Dr. Shirish H. Sonawane Bharat Bhanvase and Prof. Y. Pydi Setty, Dr. S Srinath	Systems for preparation of nano organic pigment dispersions using cavitation reactors 233/MUM/2013 published online March 2013	Pending
2	G. Srinivas, Prof. Y. Pydi Setty, Dr. T. Sunil Kumar	Continuous Countercurrnt multistage Wall Heated Fluidized Bed Dryer", Patent Number: 3338/CHE/2014A, Publication Date: 18th July 2014,	Pending
3	Dr. Shirish H. Sonawane, Sri Abhijeet Kulkarni and R SatishBabu	Application No.: 635/CHE/2015,	Pending
4	Dr. Shirish H. Sonawane, Prashant L. Suryawanshi and P. Rajesh Kumar	Application No.: 5619/CHE/2015 A	Pending
5	Dr. Shirish H. Sonawane, Shabana Shaik and Dr. S. Srinath	Application No.: 6001/CHE/2015 A	Pending
6	Dr. Shirish H. Sonawane, Uday D. Bagale, R. D. Kulkarni	Improved self healing corrosion inhibition coating based on nanocapsule using sonochemical approach Application No. : 201641015326 A, Publication Date: 10/06/2016.	Pending
7	Shriram S. Sonawane, Vishal R. Parate, Sumit S. Pathak, Dr. Shirish H. Sonawane	Development of Improved Pasta (Spaghetti) from Chemically Modified Gluten Ref. No.: 201721005789, Application number.: TEMP/E-1/5734/2017-MUM, Date: 17/02/2017	Pending

2. Achievements / Awards / Innovations

S. No.	Name of the Faculty	Nature of the Achievement/ Award / Innovation
1	Mr. BhaskarBethi, Research Scholar and Dr. Shirish H. Sonawane	Received the prestigious Prime Minister's Fellowship for Doctoral Research from SERB-CII, Government of india.
2	Dr. Shirish H. Sonawane	**H**onouredwith **V.N.M.M award-2016** from the IIT-Roorkee for the innovative and creative work in the field of Chemical Engineering through patent applications.
3	Dr. Shirish H. Sonawane	Honoured with **Institution of Engineers India award-2016** for excellence in academics.
4	Dr. Shirish H. Sonawan	Hnoured with **Maharashtra Academy of Sciences award-2016** for the significant contributions to Engineering and Technology.

5	Dr. Shirish H. Sonawane	Honored with **Fellow of Telangana Academy of Sciences award-2017** for excellence in academics
6	Mr. BhaskarBethi, Research Scholar and Dr. Shirish H. Sonawane	Received prestigious **"Gandhian Young Technological Innovation Award-2017"** for the Project entitled: A Novel Hybrid System for Textile Dye Waste Water Treatment.
7	Mr. Swapnil Adsul Research Scholar	Best poster of the conference award to **Swapnil adsul** at Second International Conference on Electrochemical Science and Technology (ICONEST-2017).
8	Dr. Shirish H. Sonawane	Acting as a Technical Mentor for "Reaction Box Engineering Pvt. Ltd." Plot No.S65, LakadganjEjaz Nagar, Near Masjid, Kamptee, Nagpur, Maharashtra, India, 441002.
9	Dr. Shirish H. Sonawane	Acting as a Technical Mentor for FLOWRHEX Technologies, Pune, Maharashtra, India.
10	Mr. Rayalla Ranganayakulu Research scholar	**'Best Paper Award'** at the "Second International Conference on Intelligent and Efficient Electrical Systems (ICIEES'17) at PSG College of Technology, Coimbatore during January 20-21, 2017 ***Title*:** R. Ranganayakulu,G. UdayBhaskarBabu,A. Seshagiri Rao, "*Simple PI$^{\lambda}$D$^{\mu}$ controller tuning rules for improved closed loop performance of First Order Plus Time Delay processes"*
11	Mr. Abdulla Sheikh Research Scholar	**Best Oral Presentation award** for the paper **"***Superiority of Enhanced Cross-Flow Split Serpentine Flow Field Design over Triple Serpentine Flow Field Design in PEM Fuel Cell" by Abdulla Sheikh and P. V. Suresh at International Conference on Membrane Technology and its Applications (MemSep-2017), NIT Trichy*
12	Ms. D. Sushmitha Research Scholar	**Won First Prize** for the paper "optimization of microwave assisted delignification process parameters using Response surface methodology" by central composite design" by D.Sushmitha, S.Srinath at Research Conclave -2017, NIT Warangal
13	Dr. P. V. Suresh	Received **First Prize** in the Quiz competition held at 5th International Hydrogen & Fuel Cell Conference (IHFC - 2016), 11-13 December 2016 at Hyderabad Lenovo Tab has been presented

3. Extention / Expert / Invited Lectures delivered elsewhere

S. No.	Name of the Faculty	Lecture Title	Place	Dates
1	Dr. A. Seshagiri Rao	Resource person STTP on Recent Trends in Energy and Environment	NIT Tiruchirappalli	4th Feb 2017
2	Dr. A. SarathBabu	KEYNOTE ADDRESS ON "CHALLENGES AND OPPORTUNITIES IN CHEMICAL ENGINEERING" At RVRJC College of Engineering	Guntur	17Feb 2017
3	Dr. A. Seshagiri Rao	Resource person STTP on Advances in Energy and Environment	NIT Tiruchirappalli	18th Feb 2017
4	Dr. P. V. Suresh	Fuel Cells – Overview & Challenges	ANITS, Visakhapatnam	15th July 2016

4. International Visits

S. No.	Name of the Faculty	Countries Visited	Organisations Visited	Dates
1	Dr. S.H Sonawane	Russia	South Ural University, Chelyabinsk	12-16, Dec 2016

5. Research and Consultancy Expertise

A. Research Areas Active in

- Modelling, Simulation and Optimization of Chemical Engineering Processes,Fluidized bed drying, Biological waste water using fluidized bed bioreactor and Packed bed bioreactor, Circulating fluidized bed, Microbial fuel cells, Hydrodynamics and RTD studies in a fluidized bed, Bioethanol production, Catalysis, CO_2 Capture technologies, Fuel Cells and Flow Batteries, Process Control, Membrane Synthesis and Characterization, Process Scheduling, Waste Water treatment

B. Consultancy Capabilities in

- Modeling, Simulation and Optimization of Chemical Engineering Processes, Process Control
- Fluidization, Wastewater treatment, Bioethanol production, fluidized bed drying

- Fuel Cells and Flow Batteries
- Membrane Synthesis and Characterization
- Process Scheduling
- CO2 capture technologies
- Heat Transfer enhancement using nanofluids, spout-fluid beds, CFD
- Nano Iron Oxide Pilot scale reactor
- Devlopment of Antiscalent for the polymer membrane

6. 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).
- Senior Member, American Institute of Chemical Engineers (AIChE).
- Life Member, Indian Institute of Chemical Engineers (IIChE).
- Life Member, Indian Society for Technical Education (ISTE)
- Member, Hydrogen Association of India (HAI)

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).

Dr. A. Venu Vinod

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

Dr. Shirish H Sonawane

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

Dr. S. Srinath

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

Dr. K. Anand Kishore

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

Dr. S. Vidyasagar

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

Dr. T. Sunil Kumar

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

7. 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

Dr. A. Seshagiri Rao

Guest editor for "Chemical Product and Process Modeling" international Journal - De Gruyter

8. Administrative Roles

A. **Departmental**

S. No.	Role	Faculty-in charge	Term
1	Staff Advisor for ChE Association	Dr. T. Sunil Kumar	2015-17
2	Staff Advisor for IIChE student chapter	Dr. T. Sunil Kumar	2015-17
3	Deparmental Time Table Incharge	Dr. V Ramsagar	2015-17
4	Student Internships	Dr. V Ramsagar	2015-17
5	IV year Advisor	Dr. S.Muralimohan	2015-17
6	Mass Transfer Lab incharge	Dr. S.Muralimohan	2015-17
7	Chemical Reaction Engineering Lab incharge	Dr. S. Vidyasagar	2015-17
8	Department Library Incharge	Dr. S. Vidyasagar	2015-17
9	IIIrd year Faculty Advisor	Dr. S. Vidyasagar	2015-17
10	IPC Lab Incharge	Dr. A. Seshagiri Rao	2015-17
11	Fluid and Particle Mechanics Lab In-charge	Dr. P. V. Suresh	2015-17
12	Department Website In-charge	Dr. P. V. Suresh	2015-17
13	Treasurer of ChE Association	Dr. P. V. Suresh	2014-17

B. **INSTITUTIONAL**

S. No.	Role	Faculty-in charge	Term
1	Associate Dean (Admissions)	Dr. A. VenunVinod	2015-17
2	Block Warden, International Students Hostel	Dr. T. Sunil Kumar	2015-17
3	Dy.Chief Warden	Dr. S.Srinath	2015-17
4	Member Board of Governors	Dr. A. SarathBabu	2015-16
5	Associate Dean (Students Welfare)	Dr. A. SeshagiriRao	2015-17
6	Head of the Department	Dr. K. Anand Kishore	2014-16
7	Head of the Department	Dr. A. SarathBabu	From Nov 2016
8	Head of the Department (Biotechnology)	Dr. Shirish H Sonawane	2016
9	Block Warden	Dr. G. UdayBhaskarBabu	2016-18

9. 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.

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) EvalutedPhd thesis of JNTU H

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

Dr. P. V. Suresh
i) Reviewer for SERB Early career research grant project proposals.
ii) Reviewer for International Journal of Hydrogen Energy, Energy Conversion and Management, Heat Transfer Engineering
iii) BoS member for Dept. of Chemical Engineering, GMRIT Rajam

Dr. A. SarathBabu
i) BoS member for Dept. of Chemical Engg, Osmania College of Engg., Hyderabad
ii) BoS member for Dept. of Chemical Engg., RVR&JC College of Engg, Guntur

Computer Science and Engineering Department:

1. Achievements / Awards / Innovations

S. No.	Name of the Faculty	Nature of the Achievement/ Award / Innovation
1	Prof. DVLN Somayajulu	Completed certificate Course era specialization on Executive Data Science offered from John Hopkins University (5 course certificates and 1 Capstone project)

2. Extention / Expert / Invited Lectures delivered elsewhere

S. No.	Name of the Faculty	Lecture Title	Place	Dates
1.	Dr. K. Ramesh	Network Security	VNR Vignana Jyothi Institute of Engineering and Technology	27th March, 2017
2.	Dr. RBV Subramanyam	Map Reduce and Big Data Analytics at STTP on RTBDA	SVNIT, Surat	28th Feb, 2017
3.	Dr. Raju Bhukya	Software engineering and Testing Methodologies	SVIT, Hyd	Jan 29-30, 2017
4.	Dr. Raju Bhukya	Testing Methodologies	Vishnu Engg College, Bhimavaram	Sept 10-11, 2016
5.	Dr. K V Kadambari	From brain to computers: Application to learning in students	SR engineering college, Warangal	17th Dec, 2016
6.	Dr.U.S.N.Raju (Keynote Speaker)	Big Image Data Processing:Technologies and Implementation issues	Chirala,AP (Keynote Speaker, International conference on Big Data Analytics and Computational Intelligence)	23rd March, 2017

3. International Visits

S. No.	Name of the Faculty	Countries Visited	Organisations Visited	Dates
1.	Dr.U.S.N.Raju	Taiwan	IEEE International Conference on Multimedia Big Data, BigMM2016, 20th - 22nd April, 2016, Taipei, Taiwan	18th-25th April 2016

4. Memoranda of Understanding (MoUs) the Institute has signed through the Department Exclusively:

S. No.	External Organisation	MoU Signed on	Remarks
1	Nucleonix Systems Private Ltd.		Jointly the Physics Department

5. Research and Consultancy Expertise

A. Research Areas Active in

- Domination in Graphs
- Cryptographic Algorithms
- Big Image Data Processing
- Machine Learning
- Soft Computing
- Data Mining
- Cloud Computing
- High Performance Computing
- Distributed Systems
- Databases
- Data Analytics
- Privacy preserving Data publishing
- Distributed Data Mining
- Big Data Analytics
- Social Media Analysis
- Web Mining
- Web Technologies
- Data Mining
- Big Data Analytics

B. Consultancy Capabilities in

- Machine Learning
- Artificial Intelligence
- High Performance Computing
- Distributed Systems
- Data Analytics
- Databases
- Big Data Analytics
- Web Mining; and Web Technologies
- Data Analysis

6. Membership in Professional and S&T Bodies

- Academy of Discrete Mathematics and Applications (ADMA)
- IEEE
- ACM
- ISTE
- CSI
- ISCA
- IEA
- LMISTE
- IEI

7. Membership in Editorial Boards of Research Journals

- GSTF Journal on Computing (JoC) - Open Journal Systems

8. Administrative / Co-Curricular / Other additional positions held by the Faculty

S. No.	Name	Designation	Additional Duty	Duration	
				From	To
1.	Prof. DVLN Somayajulu and Dr. RBV Subramanyam	Professor & Associate Professor	Co-ordinators, mini Center of Excellence for Big Data, Dept of CSE, NIT-W	2013	To-date
2.	Dr.S.G Sanjeevi	Professor	Staff Advisor CSEA	1/4/2016	Onwards
3.	Dr Ch. Sudhakar	Associate Professor	Head CSE	4/1/2016	Till Date
4.	Dr. RBV Subramanyam	Associate Professor	Associate Dean (PG) and Deputy Registrar	17-3-2014	26-6-2016
5.	Dr. RBV Subramanyam	Associate Professor	Head, Computer Center	10-11-2016	To-date
6.	Dr. RBV Subramanyam	Associate Professor	Co-Chief Investigator, E&ICT Academy	26-4-2016	To-date
7.	Dr. T Ramakrishnudu	Asst. Professor	1) Faculty in-charge& Nodel officer for the Institute website. 2) Hostel Warden (1.8K Hall-A Block-8&9 Floors	01-04-2016 01-04-2016	04-08-2016 Till Date
8.	Dr. K V Kadambari	Assistant Professor	Women's protection cell member	1-6-2015	Till date
9.	Dr. K V Kadambari	Assistant Professor	Ladies Hostel Warden	1-7-2014	15-11-2016
	Dr. U. S. N. Raju	Assistant Professor	Block Warden	2014	2016
10.	Dr. Rashmi Ranjan Rout	Assistant Professor	Faculty Advisor, WSDC, NIT Warangal	2014	Till date (continuing)

9. Administrative Roles

C. Departmental

S. No.	Role	Faculty-in charge	Term
1.	Dept. DAC UG and PG/R member	Prof. DVLN Somayajulu	1/4/2016 onwards
2.	Dept BoS Member	Prof. DVLN Somayajulu	1/4/2016 onwards
3.	DAAC member, Maths Dept.	Prof.S.G Sanjeevi	1/4/2016 onwards
4.	Dept. BOS member	Prof.S.G Sanjeevi	1/4/2016 onwards
5.	Dept. DAC UG and PG/R member	Prof.S.G Sanjeevi	1/4/2016 onwards
6.	TEQIP- II project department level	*Dr. RBV Subramanyam*	During TEQIP-II project term
7.	Dept. DAC UG member	Dr. T Ramakrishnudu	1/4/2016 onwards
8.	Faculty In-Charge for the Computing Lab	Dr. T Ramakrishnudu	1/4/2016 onwards
9.	Time Table Incharge	Dr. U. S. N. Raju	April 2015 onwards
10.	Treasurer, CSEA	Dr. P. Venkata Subba Reddy	2016-17

D. Institutional

S. No.	Role	Faculty-in charge	Term
1.	Faculty Incharge, MIS	Dr.S.G Sanjeevi	1/4/2016 onwards
2.	Co-ordinator, Visvesvaraya Ph D Scheme	Dr. RBV Subramanyam	2015 – to date
3.	Telecom centre, Internet, Email and NIT Website	Dr. S. Ravichandra	2/8/2016 onwards
4.	Convener of NIT Website	Dr. S. Ravichandra	10/8/2016 onwords
5.	RMC:NMEICT	Dr. S. Ravichandra	

E. Deputational / Ministerial

S. No.	Role	Faculty-in charge	Term
1.	Resident Coordinator, NIT AP	Dr. T. Ramesh	
2.	Technical Committee Member, NIMCET-2017.	Dr. RBV. Subramanyam	2017-18

10. Other Significant Information

Prof. DVLN Somayajulu
As Chair, E&ICT Academy,

- Established necessary infrastructure for imparting training programmes
- Conducted 22 FDPs
- Attended several meetings and participated in key discussions at MeitY, Delhi
- Organized one Advisory board meeting at Hyderabad.

Dr. T Ramakrishnudu
**** Ph.D degree Awarded on 30-12-2016**
Title: "Some Studies on Frequent and Interesting Infrequent Itemsets: Centralized and Distributed Approaches**"**

Dr. RBV Subramanyam

- **Organizing Committee Member, 5th Int'l Conference on Big Data Analytics to be held at IIIT, Hyderabad.**
- **Academic Review Committee Member, Dept. of CSE, VNIT, Nagpur**

Biotechnology Department:

1. Achievements / Awards / Innovations

S. No.	Name of the Faculty	Nature of the Achievement/ Award / Innovation
1.	Dr.P.Sreenivasa Rao	Admitted as **Associated Fellow** in **Telangana Academy of Sciences (TAS)**, Telangana State
2.	Dr.P.Sreenivasa Rao	**Established Scientist Award** by Scientific Planet Society, 2016
3.	Dr.R.Satish Babu	Admitted as **Associated Fellow** in Telangana Academy of Sciences (TAS), Telangana State
4.	Dr. B. Rama Raju	**Young Scientist Award-2016** by Telangana Academy of Sciences (TAS), Telangana State
5.	Dr. B. Rama Raju	Admitted as **Associated Fellow** in **Telangana Academy of Sciences (TAS)**, Telangana State
6.	Dr. Asim Bikas Das	**Travel Grant** from Centre for Genomic Regulation (CRG), Barcelona, Spain.
7.	Dr. K. Divakar	Admitted as **Associated Fellow** in **Telangana Academy of Sciences (TAS)**, Telangana State

2. Extention / Expert / Invited Lectures delivered elsewhere

S. No.	Name of the Faculty	Lecture Title	Place	Dates
1	Dr. K. Divakar	Functional metagenomics for discovery of enzymes and bioactive compounds	PDEA Waghire college, Pune	24-25 Jan 2017

3. Conferences / Symposia Sessions Chaired

S. No.	Name of the Faculty	Event Title	Place	Dates
1.	Dr. K. Divakar	Functional metagenomics for discovery of enzymes and bioactive compounds	PDEA Waghire college, Pune	24-25 Jan 2017

4. Research and Consultancy Expertise

A. Research Areas Active in

1.	Bioinformatics, Sustainable Biofuels Development
2.	Environmental Biotechnology, Bio-fuels,
3.	Stem Cell Engineering, Down Stream Processing
4.	Modeling & simulation of bioprocesses, Bioinformatics
5.	Metabolic Engineering, Biofuels & Bioenergy, Biomaterials technology
6.	Gene therapy and Insights of Molecular pathogenesis, *In Silico* Biology
7.	Molecular and Biochemical Parasitology
8.	Signaling Pathways in Cancer, Network Biology,
9.	Nano biotechnology , Medical Biosensors
10.	Gene regulation in Mycobacteria, Characterization of transcription factors
11.	Metagenomics, Biocatalysis

B. Consultancy Capabilities in

1.	Bioinformatics, Sustainable Biofuels Development
2.	Environmental Biotechnology, Bio-fuels
3.	Stem Cell Engineering, Down Stream Processing
4.	Modeling & simulation of bioprocesses, Bioinformatics
5.	Metabolic Engineering, Biofuels & Bioenergy, Biomaterials technology
6.	Gene therapy and Insights of Molecular pathogenesis, *In Silico* Biology
7.	Molecular and Biochemical Parasitology
8.	Signaling Pathways in Cancer, Network Biology
9.	Nano biotechnology , Medical Biosensors
10.	Gene regulation in Mycobacteria, Characterization of transcription factors
11.	Metagenomics, Biocatalysis

5. Membership in Professional and S&T Bodies

Dr. B. Rama Raju

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

Dr. K.Narasimhulu

iv. **Member** of CASSS: An International Separation Science Society. ID No.**35580084.**
v. **Membe**r of the Society of Digital Information and Wireless Communications (SDIWC). Member No.**12333.**
vi. **Life Member** of International Association for Promotion of Healthcare and Life-Science Research (IAPHLSR). Member No. **IAPHLSR-M1664.**
vii. **Member** of International Forensic Sciences (IFS). Member No. **IFS/VM/2011-7260.**

6. Membership in Editorial Boards of Research Journals

Dr. B. Rama Raju Editorial Board member of
1. *Journal of Enzymology and Metabolism* (Open science publications)
2. Modelling simulation of biotechnology (Cytoaccess Publications)

Dr. K. Narasimhmulu Editorial Board member of
1. International Journal of Biological Sciences and Applications
2. American Journal of Microbiology and Biotechnology
3. American Journal of Environmental Engineering and Science
4. Journal of Advances in Environmental Sciences (JES)
5. Journal of Advances in Biotechnology (JBT
6. International Journal of Application or innovation in Engineering&Management
7. International Journal of Advanced Research in Bio-Technology (IJARB)

7. Administrative / Co-curricular / Other additional positions held by the Faculty

S. No.	Name	Designation	Additional Duty	Duration	
				From	To
1.	Dr.K.Narasimhulu	Assistant Professor	Faculty-Advisor,Dance & Dramatic Club, NIT Warangal	2014	2017
2.	Dr.K.Narasimhulu	Assistant Professor	Faculty Mentor Coordinator Mentoring First year students	2014	2017
3.	Dr.K.Narasimhulu	Assistant Professor	Faculty Coordinator for Web Advisory Committee Looking after website of the department	2010	2017
4.	Dr.K.Narasimhulu	Assistant Professor	Faculty Coordinator for Library Advisory Committee Preparation of books orders to central library	2016	2017
5.	Dr.R.Satish Babu	Assistant Professor	Faculty In- charge Security	June 2016	Till Date
6.	Dr.R.Satish Babu	Assistant Professor	NCC officer	2013	Till Date
7.	Dr.B. Rama Raju	Assistant Professor	4th &13th Block warden	2016	Till date

Administrative Roles

A. Departmental

S.No.	Role	Faculty-in charge	Term
1.	Time Table In-charge	Dr. P. Onkara Perumal	2014-till date
	Lab In-charge Bioinformatics Lab	Dr. P. Onkara Perumal	2013- till date
2.	Department Purchase Committee Member	Dr. P. Onkara Perumal	01.04.2015 - till date

3.	Treasurer for Technical Association of Biotechnology (TAB),	Dr. R. Satish Babu	2015- till date
4.	Faculty Coordinator for Web Advisory Committee	Dr. K. Narasimhulu	2010-till date
5.	Lab In-charge Instrumentation and analysis Lab	Dr. K. Narasimhulu	2010-till date
6.	Lab In-charge MSBP Lab	Dr. K. Narasimhulu	2010-till date
7.	Departmental NBA coordinator	Dr. P.Sreenivasa Rao	2 Years
8.	Departmental TEQIP coordinator	Dr. P.Sreenivasa Rao	2 Years
9.	Faculty Coordinator Euphrates and Heritage exchange programs	Dr. P.Sreenivasa Rao	2 Years
10.	Lab In-charge Downstream processing Lab	Dr. P.Sreenivasa Rao	2 Years
11.	Faculty-in-charge for IV B.Tech. Biotechnology	Dr. Amitava Bandhu	2 Years
12.	Faculty-in-charge, Alumni affairs	Dr. P. Onkara Perumal.	2 Years
13.	Lab In-charge Bioprocessing Lab	Dr. R. Satish Babu	2 Years
14.	Training & Placement	Dr. B. Rama Raju	2015 to till date
15.	Industrial tours& visits	Dr. Amitava Bandhu	2 Years
16.	Lab- in charge Biochemistry Lab	Dr. B. Rama Raju	2 Years
17.	Faculty Advisor Technical Association of Biotechnology	Dr. B. Rama Raju	2015 to till date
18.	Faculty-in-charge for II/IV B. Tech Biotechnology	Dr. Prakash Saudagar	2 years
19.	Lab In-charge : Genetic Engineering Lab	Dr. Asim Bikas Das	2 years
20.	Ph. D. course coordinator	Dr. Urmila Saxena	2 years
21.	Department Academic audit coordinator	Dr. Urmila Saxena	2 years
22.	Laboratory In-charge Microbiology Lab	Dr. Amitava Bandhu	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
7	4th & 13th block warden	Dr. B. Rama Raju	2016 to till date

9. Other Significant Information

Dr. B. Rama Raju Nominated as Warangal District coordinator Telangana Academy of Sciences, Telangana.

Dr. K. Divakar

1. Ph.D thesis examiner/subject expert, Anna University Chennai (2015 & 2016).
2. Doctoral Review Committee member for PhD students, SRM University, Katankulathur (2017)

Mathematics Department

1. Extention / Expert / Invited Lectures delivered elsewhere

S. No.	Name of the Faculty	Lecture Title	Place	Dates
1	Prof. G. Radhakrishnamacharya	Fluid Mechanical Aspects of Flow in Renal Tubules	Tata Institute of Social Sciences, Tulzapur	July, 2016
2	Prof. G. Radhakrishnamacharya	Applications of Mathematics in Engineering and Technology	RGM Institute of Technology, Nandyal	20-08-2016
3	Prof. G. Radhakrishnamacharya	Two layered Model for flow in Microcirculation	PRG Govt. College, Kakinada	20-09-2016
4	Prof. G. Radhakrishnamacharya	Physiological Fluid Dynamics: An Introduction	JUTUA College of Engineering, Pulivendula	21-10-2016
5	Prof. G. Radhakrishnamacharya	Contributions of Srinivasa Ramanujan	GITAM, Bangalore	22-12-2016
6	Prof. G. Radhakrishnamacharya	Fascinating world of Mathematics	AIT, Rajampet	21-01-2017
7	Prof. G. Radhakrishnamacharya	Fluid Mechanical Aspects of Microcorculation	SRM University,Chennai	28-01-2017
8	Prof. G. Radhakrishnamacharya	Mathematical Modeling of Biological Systems	PVP Siddartha College of Engineering	17-03-2017
9	Prof J.V.Ramana Murthy	Introduction to Mechanics	OU For Degree college teachers	Feb 20th 2017

10	Prof J.V.Ramana Murthy	"Theory of waves" at the STTP organized by Dr.ABB	NITW	Dec 6th, 2016
11	Prof J.V.Ramana Murthy	"Theory of waves" workshop in memory of Srinivasa Ramanujam	VNIT, Nagapur	Dec 23, 2016
12	Prof K.N.S.Kasi Viswanadham	Solution of two point boundary value problems by Finite Element Method with B-splines (Keynote Address for National Workshop on "Applications of Advanced Mathematics in Engineering and Science")	Department of Engineering Mathematics, Andhra University College of Engineering. Visakhapatnam	28th February-1st March, 2017
13	Prof Debashis Dutta	Mathematics in everyday life and Abstract Mathematical Modelling	Sarojini Devi Vanitha Mahavidhyalaya, Hyderabad	22/2/2017
14	Dr P. Muthu	Numerical Solution of Navier-Stokes Equations : Two Dimensional Flow in Square Cavity	Veer Surendra Sai University of Technology, Siddhi Vihar, Burla, Odisha,	1, August 2016
15	Dr P. Muthu	LATEX	Vagadevi College of Engineering, Bolligunta, Warangal	September 15, 2016
16	Dr P. Muthu	Mathematical Model of Two Dimensional Flow in Square Cavity	Department of Applied Science, College of Engineering, Cherthala, Alappuzha, Kerala	17, October 2016
17	Dr P. Muthu	Numerical Solution of Navier-Stokes Equations : Two Dimensional Flow in Square Cavity	Department of Mathematics, N.I.T, Warangal	December 02 - 07, 2016
18	Dr. R. S. Selvaraj	Recurrence Relations and Generating Functions	Dept. of CSE, *VNR Vignana Jyothi Institute of Engineering and Technology*	21-22, October 2016
19	Dr. H.P. Rani	Finite Volume methods	A Three Day Workshop on Applications of Numerical Methods in Science and Engineering	21 – 23, October- 2016. University College of Engg, Osmania University, Hyderabad.
20	Dr.Ch.Ram Reddy	Adomian Decomposition Method: Motivation, Basics and Applications	STTP on Mathematical Modeling and Advanced Numerical Techniques, Organized by Department of Mathematics, NIT Warangal	December 2-7, 2016.

2. Conferences / Symposia Sessions Chaired

S. No.	Name of the Faculty	Event Title	Place	Dates
1	Prof J.V.Ramana Murthy	National Conference on "Applied Nonlinear Dynamics"	NIT Warangal	21st – 22nd Dec 2016
2	Dr P. Muthu	National Conference on Applied Nonlinear Dynamics	NIT Warangal	December 21-22, 2016.

3. 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

4. Membership in Professional and S&T Bodies

- **Dr T Kurmayya :** Member in Ramunajan Mathematical Society
- **Dr RS Selvaraj :** Life member of "CRYPTOLOGY RESEARCH SOCIETY OF INDIA – CRSI" [ID NO. L/497]
  : Member of "American Mathematical Society" [Membership No. SLRXXE-0]

5. Membership in Editorial Boards of Research Journals:
Dr HP Rani_ Guest editor of The Standard International Journals (The SIJ)

6. Administrative / Co-Curricular / Other additional Positions held by the Faculty

S. No.	Name	Designation	Additional Duty	Duration	
				From	To
1	Dr. Debashis Dutta	Professor	Deputy Chief Warden	7/1/2014	30/11/2016

7. Administrative Roles

A. Departmental

S. No.	Role	Faculty-in charge	Term
	Head of Dept	Prof Debashis Dutta	From Jan 11, 2016 to Till Date
1	Computational lab I/C	Dr. D. Srinivasacharya	4yr+
2	Department Library I/C	Dr P Muthu	2016 – 2017
3	Faculty Advisor of Dept Association	Dr HP Rani	2014 – Till Date
4	Treasurer of Dept Association	Dr J Pranitha	Since Jan 2016
5	PG Coordinator	Dr J Pranitha	Since Jan 2016
6	Dept. Website in-charge	Dr. R. S. Selvaraj	2yr +
7	Time Table I/C	Dr Ch Ram Reddy	July, 2014 – Till Date

B. Institutional

S. No.	Role	Faculty-in charge	Term
1	Registrar	Prof YN Reddy	**1yr+**
2	Nodal Officer for MHRD uploading Data	Prof JV Ramanamurthy	3yrs+
3	Chief Warden	D. Srinivasacharya	From 2/8/2016 to Till Date
4	Warden	Dr T Kurmayya	6Months
5	Warden I Mess	Dr A Benerji Babu	From Feb 2017+
6	Warden IFC A & B	Dr Ch Ram Reddy	April, 2016 - Till Date

8. Other Significant Information:

Dr. P. Muthu:

(1) Reviewed the Conference papers in Proceedings of the First International and 18*th* I.S.M.E Conference, organized by the Department of Mechanical Engineering, N.I.T, Warangal, during 23 - 25, February, 2017

(2) Member, Doctoral Committee, for PhD (Mathematics) scholar of Department of Mathematics, V.I.T, Chennai, since 2016.

(3) Our (Myself and M Varunkumar) paper is published in a **book** titled "Applied Analysis in Biological and Physical Sciences" by Jim M Cushing et al.(Eds), under Springer Proceedings in Mathematics and Statistics, Volume: 186, p: 277 - 289, 2016

- Dr.D. Srinivasacharya _President and Dr J Pranitha_ **General Secretary of Teachers' Welfare Association NIT Warangal**

Department Of Physics

1. International Visits

S. No.	Name of the Faculty	Countries Visited	Organisations Visited	Dates
01	Dr. Sourabh Roy	Italy	University of Padova	3-15 May 2017
02	Dr. D. Paul Joseph	Taiwan	National Cheng Kung University, 4th International Conference of Asian Union of Magnetics Societies' (ICAUMS 2016), 1st to 5th Aug. 2016, Tainan, Taiwan. and National Taiwan University	1st to 5th Aug. 2016
02	Dr. K. Thangaraju	South Korea	Department of Chemistry, Gyeonsang National University, Jinju, South Korea.	Date: 17-05-2017.

1. Research and Consultancy Expertise

A. Research Areas Active in

- 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
- Optical fiber and waveguide technologies
- Linear and Nonlinear Optics in Photonic crystal waveguides
- Vector Vortex Beams generations and characterizations
- Optical Design
- Quantum nonlinear Optics
- Fiber optic sensors

B. Consultancy Capabilities in

- Oxide and metallic thin film coatings using Thermal evaporation, Spray pyrolysis and Spin coating
- Display measurement and liquid crystal technology
- Optical Design
- Fiber Optic Sensors

2. Membership in Professional and S&T Bodies

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

3. Administrative Roles

A. Departmental

Sl. No	Role	Faculty in charge	Term
1	Optics Lab in charge	Prof. M. Sai Shankar	April 2015 to March 2017
2	Head, Dept. of Physics	Prof. R.L.N. Sai Prasad	23-06-2015 to 03-08-2017
3	Electronics Lab in charge	Prof. L.Ramgopal Reddy	April 2015 to March 2017

4	Materials Science Lab in charge	Dr. K. V. G. Reddy	April 2015 to March 2017
5	Faculty coordinator T & P	Dr. T. V. Appa Rao	April 2015 to March 2017
6	Physics Association	Dr. Sourabh Roy	April 2015 to March 2017
7	U.G. Lab Incharge	Dr.P.Abdul Azeem	April 2016 to March 2017
8	Faculty Advisor Physics Association	Dr. Sourabh Roy	01/06/2015 to till date
9	Dept. Website incharge	Dr. D. Paul Joseph	April 2015 to March 2017
10	Dept. 1st MSc Tech Registration Incharge	Dr. K. Thangaraju	April 2015 to March 2017
11	Dept. PhD Course Work	Dr. K. Thangaraju	April 2016 to March 2017
12	Dept. 2nd and 3rd MSc Tech Registration Incharge	Dr. Kusum Kumari	April 2016 to March 2017

B. Institutional

Sl. No	Role	Faculty in charge	Term
1	Faculty In charge of Dispensary	Prof. L.R.G. Reddy	
2	Dean Student Welfare	Prof. S.V.S. Ramana Reddy	
4	Assoc. Dean, Examinations	Dr. K.V.G. Reddy	
5	Faculty In charge of Minority cell	Dr. P. Abdul Azeem	
	Hostel Warden	Dr. P. Abdul Azeem	
7	Faculty Advisor Painting Club	Dr. Sourabh Roy	01/06/2015 to till date
6	Hostel Warden	Dr. V. Jayalakshmi	2016 onwards till date

C. Deputational / Ministerial

Sl. No	Role	Faculty	Term
1	Director,NIT-Calicut & Goa And Directoe I/C NIT- Warangal	Prof. G. R. C. Reddy	2010 to till date

4. Other Significant Information

- 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.
- Dr. D. Paul Joseph is core committee member in TLC of NIT-Warangal.
- Department Got CODE V and LightTools Software (Cost INR 40 Lakhs.) as Free Education Loan from Optical Solution Group, Synopsys Inc., USA

The Department has entered MOUs with
1) ELECTRO OPTICAL INSTRUMNETS RESEARCH ACADEMY (ELOIRA), HYDERABAD, TELANGANA STATE and
2) NUCLEONIX SYSTEMS PRIVATE LTD, HYDERABAD Telangana State

Chemistry Department:

1. Achievements / Awards / Innovations

Sl.NO	Faculty Name	Achievements
1.	Prof. A. Ramachandaiah	• Developed a Low-Cost Stationary Mercury Electrode with PhD Scholar, G. Srinivasa Rao • 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
2.	Prof. K. Laxma Reddy	2nd Prize for Best paper presentation at Research Conclave-2017, NIT, Warangal
3.	Dr. N. Venkatathri	Best Poster Award, Research Conclave 2017, NIT, Warangal.

4.	Dr. P. V. Srilakshmi	Elected as an "Associate Fellow" of Telangana Academy of Sciences (TAS) for the year 2016.
5.	Dr. B. Srinivas	Elected as an "Associate Fellow" of Telangana Academy of Sciences (TAS) for the year 2016.
6.	Dr. B. Srinivas	Achieved an "Outstanding Faculty in Science" Award for the Year 2017 from VENUS International Foundation, Chennai.
7.	Dr. K. Hariprasad	Achieved an "Outstanding Faculty in Science" Award for the Year 2017 from VENUS International Foundation, Chennai.

2. Extention / Expert / Invited Lectures delivered elsewhere

S. No.	Name of the Faculty	Lecture Title	Place	Dates
1.	Prof. A. Ramachandraiah	Key Note Lecture: LANGUAGE OF INSTRUCTION AND LEVELS OF SCIENTIFIC PROFICIENCY	*National Workshop on Science Communication in Dravidian Languages,* Dravidian University, Kuppam, AP	23rd-26th Aug, 2016
2.	Prof. A. Ramachandraiah	Invited Talk: MOTHER TONGUE AND SCIENCE	*National Workshop on Science Communication in Dravidian Languages,* Dravidian University, Kuppam, AP	23rd-26th Aug, 2016
3.	Prof. A. Ramachandraiah	Invited Talk: ADVANCE VOLTAMMETRIC METHODS FOR ENVIRONMENTAL ANALYSIS	National Conference on RECENT INNOVATIONS IN CHEMISTRY FOR ENVIRONMENT, KL University, Guntur, AP	9th and 10th Dec., 2016
4.	Prof. A. Ramachandraiah	Invited Talk: ADVANCES IN CHEMISTRY in THE SERVICE OF HUMAN HEALTH and ENVIRONMENTAL PROTECTION	*Two-Day National Seminar on* ROLE OFCHEMISTRY IN HUMAN HEALTH AND ENVIRONMENTAL PROTECTION, Govt PG College, Anantapur, AP	30th and 31st, Jan, 2017
5.	Prof. A. Ramachandraiah	Invited Talk: FRONTIERS OF MODERN SCIENCE AND CHALLENGING OPPORTUNITIES FOR SCIENTIFICALLY MOTIVATED YOUTH	5-Day DST-INSPIRE Science Camp at Andhra Loyola Coillege, Vijayawada	17th -21st Oct., 2016
6.	Prof. A. Ramachandraiah	Invited Talk: ADVANCES IN SCIENCE & TECHNOLOGY AND AVENUES FOR INSPIRED YOUNG SCIENTISTS	5-Day DST-INSPIRE Science Camp at Govt SG Degree College, Piler, AP	2nd -6th Nov., 2016
7.	Prof. K. Laxma Reddy	Environmental Issues and Challenges	National Conference on Green Technologies, CR Reddy College, Eluru	22-23, October, 2016
8.	Prof. K. Laxma Reddy	Chemistry in our Daily Life	Vagdevi Degree & PG College Hanamkonda	5-1-2017
9.	Prof. K. Laxma Reddy	Environmental Issues and Challenges	Kavitha Degree & PG College. Khammam	7-1-2017
10.	Prof. K. Laxma Reddy	Global Warming and Safe Drinking Water	NIT, Warangal	11-1-2017
11.	Prof. K. Laxma Reddy	Science & Scientific Temper	Govt Social Welfare Women Degree College, Hanamkonda	21-1-2017
12.	Prof. K. Laxma Reddy	Science & Scientific Temper	Govt Tribel Welfare High School Eturinagaram	4-3-2017
13.	Prof. K. Laxma Reddy	Science & Scientific Temper	Kasturba Govt Girls High School Eturinagaram	5-3-2017
14.	Dr. D. Kashinath	Organic Synthesis "On water"	Govt Degree College, Jammikunta, Karimnagar (Dist).	6th - 7th April, 2017
15.	Dr. D. Kashinath	Popular talk	TS Residential Jr. College (G), Hasanparthy, Wgl Dist	
16.	Dr. B. Srinivas	Molecular Spectroscopy for B.Sc. III-year students (an extension lecture)	Department of Chemistry, Govt. Degree college, Jammikunta, Karimnagar.	17.11.2016

3. Conferences / Symposia Sessions Chaired

S. No.	Name of the Faculty	Event Title	Place	Dates
1	Prof. A. Ramachandraiah	HERITAGE Final Meeting	IIT Gowahathi	8th – 10th May, 2016
2.	Prof. K. Laxma Reddy	National Conference on "Frontiers in Chemical Sciences and Technologies"	Department of Chemistry, NIT, warangal	28-29 January, 2016
3.	Dr. D. Kashinath	3rd NIT Librarians meet	NIT Rourkela	12 Jan 2017

4. International Visits

S. No.	Name of the Faculty	Countries Visited	Organisations Visited	Dates
1	Prof. A. Ramachandraiah	USA	Personal	15th Feb – 3rd March, 2017

5 Research and Consultancy Expertise

Prof. A. Ramachandaiah

A. Research Areas Active in

- Coordination Chemistry
- Electrochemistry
- Molecular Modeling

B. Consultancy Capabilities in

- Elemental and Spectral Analysis of Organic and Inorganic Materials
- Electrochemical Aspects of Batteries and Cells
- Chemical Education

Dr. K. Laxma Reddy

A. Research Areas Active in

- Coordination Chemistry
- Environmental Chemistry

B. Consultancy Capabilities in

Testing of Materials

Water Quality & Analysis

Dr. V. Rajeswar Rao

A. Research Areas Active in

- Synthetic Organic Chemistry
- Heterocyclic Chemistry

B. Consultancy Capabilities in

- Total Synthesis of Drugs
- Total Synthesis of Medicinally Important Organic Heterocyclic Compounds

Dr. K. V. Gobi

A. Research Areas Active in

- Electrochemical Sensors
- Fuel Cell Electrocatalytic Materials
- Biosensors
- Molecular Imprinted Polymers

B. Consultancy Capabilities in

- Fuel Cell Materials
- Gas-diffusion Electrodes
- Immunosensors, SPR sensors
- Electrochemical- and Bio-sensors

Dr. N. Venkatathri

A. Research Areas Active in

- Advanced Materials
- Heterogeneous catalysis, Biomaterials, Electrochemistry

B. Consultancy Capabilities in

- Zeolites
- Heterogeneous Catalysis, Drug delivery, Cosmetics and Biological properties

Dr. D .Kashinath

A. Research Areas Active in

- Organic Synthesis

B. Consultancy Capabilities in

- Organic Synthesis
- Chemical process development

Dr. K. Hari Prasad

A. Research Areas Active in

- CARBOHYDRATE CHEMISTRY
- MEDICINAL CHEMISTRY

B. Consultancy Capabilities in

- MEDICINAL CHEMISTRY
-

6. 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)

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

Dr. K. V. Gobi

- International Society of Electrochemistry (ISE)
- Materials Research Society of India (MRSI)
- Indian Society for Electroanalytical Chemistry (ISEAC)

- Society for Advancement of Electrochemical Science and Technology (SAEST)
- The Japan Association of Chemical Sensors

Dr. N. Venkatathri

Catalysis Society of India

Materials Research Society of India

Chemical Research Society of India

International Zeolite Association

Catalysis Society of India

Materials Research Society of India

Chemical Research Society of India

International Zeolite Association

Dr. D. Kashinath

Life Member, Chemical Research Society of India

Dr. B. Srinivas

An e-member of Royal Society of Chemistry, London

Dr. K. Hari Prasad

Member of American Chemical Society

7. Membership in Editorial Boards of Research Journals

Prof. A. Ramachandraiah

Journal of Pharmacy and Chemistry

Dr. N. Venkatathri

World Research Journal of Materials Science and Engineering, Hyderabad (2013 onwards).

8. 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	8-8-2017
2.	Prof. A. Ramachandraiah	Professor	Institute Coordinator of Erasmus Mundus Euphrates	01.04.2015	Feb, 2017
3.	Prof. A. Ramachandraiah	Professor	Institute Coordinator of Erasmus Mundus Heritage	01.04.2015	Feb., 2017
4.	Prof. K. Laxma Reddy	Professor	Chairman, Games & Sports	5-9-2007	6-4-2009
5.	Prof. K. Laxma Reddy	Professor	Chief Warden	3-1-2009	6-1-2011
6.	Prof. K. Laxma Reddy	Professor	Head, Department of Chemistry	3-1-2011	1-1-2013
7.	Prof. K. Laxma Reddy	Professor	Chairman, Library Advisory Committee	8-10-2014	20-10-2016
8.	Prof. K. Laxma Reddy	Professor	Head, Department of Biotechnology	25-6-2015	31-7-2016
9.	Prof. K. Laxma Reddy	Professor	Dean, R & C	3-8-2016	Till date
10.	Dr. K. V. Gobi	Associate Professor	Head of the Department	August 2016	Present
13.	Dr. D. Kashinath	Assistant Professor	Associate Dean (Library)	Oct 01, 2016 onwards	
14.	Dr. D. Kashinath	Assistant Professor	Faculty-in-charge (LC HRMS Instrument) hosted at CAI building	2016 onwards	
15.	Dr. B. Srinivas	Assistant Professor	NSS Programme Officer for UNIT-II	2016	2017

9. Administrative Roles

A. Departmental

S. No.	Role	Faculty-in charge	Term
1	Prof-In-Charge, Computational Lab	Prof. A Ramachandraiah	01.04.2015 to Till date
2	Head, Department of Chemistry	Prof. V. Rajeswar Rao	01/08/2014-02/08/2016
3	BTech 1 Year lab, Coordinator	Dr N Venkatathri	2016-17 academic year
4	To coordinate the purchases of Chemicals and glasswares by Tender process for the Department and Institute.	Dr. K. V. Gobi	June 2015 to Present
5	Training and Placement, Faculty-in-charge	Dr D Kashinath	2016-17 academic year
6	BTech 1 Year lab, Coordinator	Dr N Venkatathri	2016-17 academic year
7	BTech 1 Year lab, Coordinator	Dr D Kashinath	2016-17 academic year
8	Member of UG DAC	Dr. B. Srinivas	2014 to till now
9	Faculty coordinator for I-year M.Sc.	Dr. B. Srinivas	2015-till now
9	Faculty coordinator for II year M.Sc. (AC)	Dr. Vishnu Shanker	2015-till now
9	Faculty coordinator for II year M.Sc. (OC)	Dr. K. Hari Prasad	2016-till now
10	IR- IN CHARGE	Dr. K. Hari Prasad	01.04. 2015 on wards
11	Faculty advisor for Chemistry Association	Dr. K. Hari Prasad	01.04. 2015 on wards

B. Institutional

S. No.	Role	Faculty-in charge	Term
1	Prof-In-Charge, CAI NITW	Prof A Ramachandraiah	01.04.2015 to 8-8-2017
2	Faculty In Charge, ESR	Prof A Ramachandraiah	01.04.2015 to Till date
3	Nodal Officer, MHRD-Rashtriya Avishkar Abhiyan, NITW	Prof A Ramachandraiah	2015 till date
4.	To coordinate the research progress of the Center of Excellence in 'Sustainable Energy Studies' (CoE-SES)	Dr. K. V. Gobi	August 2013 to Present
5.	To coordinate the research progress of the Center of Advanced Materials (CAM)	Dr. K. V. Gobi	June 2012 to Present
6.	Library Advisory committee, NITW	Dr N Venkatathri	2015 – till date

C. Deputational /Ministerial

S. No.	Role	Deputation	Term
1	Prof A Ramachandraiah, Nodal Officer	MHRD-Rashtriya Avishkar abhiyan (RAA)	2015 May Onwards
2	Prof A Ramachandraiah, Coordinator	HERITAGE (Ersmus Mundus)	2014 July to Feb., 2017
3	Prof A Ramachandraiah, Coordinator	MERGING VOICES (Ersmus Mundus)	2016 Jan, -Feb., 2017

10. Other Significant Information

Prof. A Ramachandraiah

(1) Member, Board of Studies JNTUH, Telangana
(2) Board Member in Anna University, Channai, Thamilnadu
(3) Member Board of Studies, RGKUKT (IIIT), Nuzvid
(4) Member, Board of Studies, SV University, Tirupathi
(5) Mentor, in the National Pool of DST INSPIRE
(6) Currently, (July, 2017 onwards) Professor-in-Charge, Centre for Educational Technology (CET)
(7) Currently, (July, 2017 onwards) Professor-in-Charge, Continuing Education Programme (CEP)
(8) Currently, (July, 2017 onwards) Professor-in-Charge, Centre for Educational Technology (CET)
(9) Currently, (July, 2017 onwards) Professor-in-Charge and Coordinator, MHRD-PMMMNMTT Teaching Learning Centre (TLC)
(10) Currently, (July, 2017 onwards) Member, Board of Governors (BoG)

Dr. K. Laxma Reddy

Actively involved in propagation of Science and Scientific Temper among the masses and also involved in organizing several community service activities through Jana Vignana Vedika, Telangana. Organizing workshops to the teachers and students through Telangana Academy of Sciences, TS. Presently working as State Vice-President, Jana Vignana Vedika, Telangana Sate and Regional Coordinator, Warangal & Khammam Districts, Telangana Academy of Sciences, TS

Dr. D. Kashinath

Active in outreach programs (educating the school / Jr. College students about the professional courses), NIT, Wrangal.

Humanities and Social Sciences Department:

1. Achievements / Awards / Innovations

S. No.	Name of the Faculty	Nature of the Achievement/ Award / Innovation
1.	Prof.D.S.Kesava Rao	Chosen as Member of Board of Studies of Central University of Hyderabad, JNTU Hyderabad and JNTU Anantapuramu

2. Extension / Expert / Invited Lectures delivered elsewhere

S. No.	Name of the Faculty	Lecture Title	Place	Dates
1.	D.S. Kesava Rao	Teacher as communicator-ethics and values in teaching	GATES Institute of technology , Gooty	20th May 2017
2	D.S. Kesava Rao	Enhancing teacher effectiveness	Srinidhi Institute of Technology and Sciences, Hyderabad	25th June 2016
3.	D.S. Kesava Rao	Effective communication for teachers	Anurag college of engineering, Hyderabad	21st June 2017
4	Dr. K. Madhavi	*"Academic Writing and Classroom Communication"*	A four Week "47th Orientation Course" organized by UGC-Human Resource Development Centre, JNTUH from 08-05-2017 to 03-06-2017. Kukatpally	29-05-2017

3. Research and Consultancy Expertise

A. Research Areas Active in

1. Prof.D.S.Kesava Rao

* English Language Teaching
* Modern British Fiction
* Commonwealth Literature
* Teaching Technical and Business Communication courses
* Developing Course Books for CBSE Schools
* Authoring Text and lab manuals for English courses in professional colleges

2. Dr.K.Madhavi

- Developing innovative and effective methods to improve reading and writing skills
- Designing task based ESP courses based on learner needs.
- Well versed in designing self instructional online materials for distance learners.
- Academic writing skills
- Multiple intelligences -Visual Literacies
  Learner strategies, methods and behaviourist approaches to language learning.

B. 3. Dr. M Raja Vishwanathan

- English Language Teaching
- British and American literatures
  * English language Teaching
  * English for Specific Purposes
  * Spiritual Writings

C. Consultancy Capabilities in

- Prof. D.S.Kesava Rao, Dr.M.R.Vishwanatha and Dr.K.Madhavi in Communication and Soft skills

4. Membership in Professional and S&T Bodies.

Prof. D.S.Kesava Rao

*** Osmania University Centre for International Studies**
*** ELTAI Chennai**
* 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.

5. Membership in Editorial Boards of Research Journals:

Prof.D.S.Kesava Rao

JNTU Forum of Musings, JNTU College of Engineering, Hyderabad

Kakatiya Journal of English Studies Warangal

Member Editorial Board Sreenidhi's Journal of English Studies SNIST
Member Editorial Board The English Literator K.L.University Journal Vijayawada

Dr.K.Madhavi

- 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.	Dr. K. Madhavi	Assistant Professor	News letter editor (Assistant)	Nov, 2013	To date
2.	Dr. K. Madhavi	Assistant Professor	TWANIT Executive Council Member	Feb 2014	March 2015

7. Administrative Roles

A. Departmental

1.Prof. D.S.Kesava Rao Head of the Department
2. Dr.M.R.Vishwanathan Member Library Purchase Committee
3. Dr.K.Madhavi

S.No.	Role	Faculty-in charge	Term
1	Library purchase in charge	Dr. M Raja Vishwanathan	2012-date
2	Course Coordinator- IV.B-Tech	Dr. M Raja Vishwanathan	2013-date
2.	*ELCS Lab in charge.*	Dr. K. Madhavi	2013-To date
3.	*Course Coordinator- I.B-Tech*	Dr. K. Madhavi	2014-To date
4.	*Member*	**Convocation Publications Committee**	2015-16

B. Institutional

1. Prof.D.S.Kesava Rao, Chief Editor Newsletter and Magazine Committee Since 2012
2. Convenor Institute Convocation Publications Committee Since first convocation
3. Institute Space Reorganization Committee 2015-16

Editor Institute News Letter	Dr. K. Madhavi	2014-To date

S. No.	Role	Faculty-in charge	Term
1.	Warden Ladies Hostel	Dr. K. Madhavi	2014- 16
2.	**Core team member** of Centre for Educational Technology and Centre for Pedagogy at the Institute	Dr. K. Madhavi	2015-To date
3	Core Group Member, Teaching and Learning Centre, NIT Warangal.	Dr. K. Madhavi	2016-To date
4	Literary and Debating Club faculty advisor	Dr. M Raja Vishwanathan	2013-date

8. Other Significant Information

1. Mini project proposal titled **'Developing (Self-Learning)Material in multimedia and print media form for Effective Communication and Classroom Teaching in Higher Education** submitted to TLC, National Institute of Technology, Warangal., is under review.

School of Management

1. Research and Consultancy Expertise

A. Research Areas Active in

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

B. Consultancy Capabilities in

1. Corporate training, Compensation
2. Differently Abled studies

2. 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.

3. 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).

4. 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	
6	Dr.S.L.Tulasi Devi	Class&Exam time tables,CURA & other students activities Training for placements&Internships	
7	Dr.K.Francis Sudhakar	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 / Thadepally Gudem/ PRO/ICET Academy/GAIN	
2	Dr. G. Sunith	Warden	

5. Other Significant Information

Conducted 1. Management Fest “CURA-17” from 18th & 19th February 2017

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

11.0 ACTIVITIES OF TECHNICAL ASSOCIATIONS

11.1 Student Hobby Clubs during the Year 2016-2017

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

11.2 Events conducted by carious Clubs in the Institute during the Academic Year 2016 – 2017

Dance and Dramatic Club :
Teachers Day Celebrations: The members of the club have participated in the Teachers Day Celebrations organized in collaboration with the Students Council.

Fresher's event: 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: 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.

Thematic nite: This event was newly introduced last year. Where all the performances of the show should be of a particular theme. Themes were of different moods and we had overwhelming response from the participants.

Audi nite: 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.

Spring spree: Solo dance and pair dance from our club during spring spree'17. Participants turned up from various institutions all over the country. These events were successfully conducted and cash prizes were awarded for the winners.

Ethnic Nite: In observance of the Ethnic Nite in collaboration with Spring Spree Team, Club members have performed in the Auditorium.

DPL(dance premier league): 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 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: 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.

Music Club: Many events were conducted during this academic year. Each of these shows was very successful in terms of preparation and presentation. One 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 members of the music club and the members of the Spring Spree 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 many 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. 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.

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 young, budding artists driven by enthusiasm, and boundless creativity, the club has been reaching new heights since its inception. The Year 2016-2017 was a year of thrilling challenges for the Painting Club. The list of events conducted are Freshers Event, Sans Brush, Kite Making, Face Painting & Tattoo Making, Greeting Card Making, Collage Making, Doodle Art, Crayonica and Best out of Waste, Rangoli & Diya Painting, Sand Sculpture. There was a large numbers of participation for all the above events. Apart from this we have been a part of successful conduction of Technozion and Spring Spree.

Science and Hobbies Club: For the year 2016-2017 a large number of enthusiastic and hardworking students have joined as executive members. Many events were conducted to check the caliber of the students and had great response from the students in terms of participation and their exchange of views. The team had supported the Teams of Technozion and the Spree During for conducting various events.

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. Freshers got valuable hands-on experience on ham radio receiver.

Nature Club : The Nature Club focused on Mother Earth in its activities this year. Overall, 6 events were held with an Executive consisting lovers of the nature. Many events were conducted by the club for bringing awareness among the students and the common man towards the importance of the nature. The team had supported the Teams of Technozion and the Spree During for conducting various events.

Innovation and Entrepreunership Club: The club organized Freshers Event, Meme Making, Monopoly, IPL Auction 2.0, Scrap Innovation, Pep Talks etc., which had great numbers of participation from the students. **The team had supported the Teams of Technozion and the Spring Spree during for conducting various events.**

Film Committee: The Film Committee, so popular with students, lived upto expectations this year too. Many films were screened for the students.

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 and also has shown its successful impact during 2016 -2017. Many events were conducted and had overwhelming response from the students. The team had supported the Teams of Technozion and the Spree During for conducting various events.

Forum for International Students Affairs (FISA): Events such as Fisa Freshers, Fisa Night, Breast Cancer Marathon, Halloween, Buddy System Introduction, GRE Talk session, NITW's Got Talent, International Day were held.

Technozion – 16: Technozion, the technical symposium of NITW, exceeded its name with the 2016 edition catering best in class platform for technical enthusiasts of NITW and other colleges alike. Themed around Chronos, the green God of time, the fest aimed at portraying and thereby unraveling the time line of Technology the world was a witness of.

Technozion 16 was inaugurated by Warangal District Collector Ms. Amrapali Kata, IAS. The 3 day event from 21st to 23rd October, 2016 had a right mix of events related to various engineering disciplines to satiate the need of people of various branches alike. Spotlight events like Wreckage, Jahaaz, Hovermania challenged students on design front while putting them on track to compete with the best designs. NPL, another spotlight, was a platform from all over the country to prove their mettle against India's best.

Workshops like Big Data, IC Engines and ATV Design, attracted huge participation and gave participants an excellent opportunity learn from the best, while the Institute as a whole takes immense pride in the success of Technozion, it acknowledges the effort of the Coordinators team that made managing that big a fest look simple. The able guidance of Prof. Deva Pratap helped the team coordinate the efforts better. With such a huge success in its back, the technical environment of the Institute can only get better in the days to come.

Spring Spree 2017: Spring Spree 2017 – A National Level Cultural Festival was conducted during 2nd to 5th March, 2017. The Inaugural of the cultural festival took place on 1st March, 2017 at 1800 hrs. Ms. Swathi Reddy, Tollywood Actress, was the Chief Guest of the function. More than 600 students from institutes all over India participated in Springspree 2017. A good number of competitions namely Sunburn DJ, 55 General Events, 9 Spotlights, Interaction Session with MR. Vijay Deverakonda, Tollywood Hero, Reminisce, Rangoli, Proshows, Allure, Idol, Snake Show and Bike Stunts were organized to bring out the best talent among the students. Many national and international experts were invited to conduct workshops and judge the events. Performance of Shalmili Kholgade, Bollywood Play Back Singer was the highlight of the Spring Spree.

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

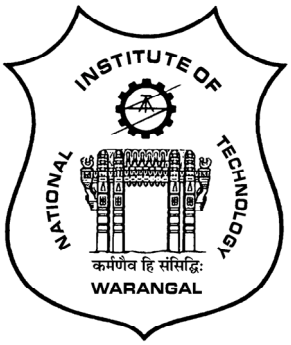
RECEIPTS	2014-15	2015-16	2016-17
I. Opening Balance:			
a) Cash in Hand			
--- Main Cash Book	1225156	804422	1350306
--- Petty Cash Book	28330	2927	22494
--- Imprest with Department	292889	317889	340000
--- Fee Account (Cash)	0	0	0
b) Bank Balance			
--- In Current Account	90856377	77201529	88647592
--- In Deposit Account	0	0	0
--- Saving Account (others)	23831865	29523186	1089518
--- Fee Bank Account (current)	16080769	3745893	11325586
II. Grant Received			
a) From Govt. of India			
--- Towards General Fund	265000000	865000000	600000000
--- Towards Revenue Expenditure	650000000	930000000	1026000000
--- L/Yr Receivable	0	100000000	0
b) From State Government	0	0	0
c) From Other Sources - GPF	50685211	49353019	0
III. Academic Receipts (As per Annexure)	249959602	370690569	404390919
IV. Receipts against Earmarked/Endowment Fund			
--- Earmarked Fund	328277180	330278471	268714448
--- Endowment Fund	1550000	0	0
V. Receipts against Sponsored Projects/Schemes	56501961	99874726	96839976
VI. Receipts against Sponsored Fellowships and Scholarships	0	0	0
VII. Income on Investments from			
--- Earmarked/Endowment Funds	443469	562310	560680
--- Other investments			
VIII. Interest received on			
--- Bank Deposits	19585860	12567948	13476966
--- Loan and advances	0	0	0
--- Saving Bank Account	947235	1169203	0
IX. Investment encashed	0	0	0
X. Term Deposits with Scheduled Bank encashed	953488412	590322606	562308443
XI. Other Income (including PPI)			
--- Income from L & B	45552493	22083204	34403363
--- Other Income	26283294	32928380	14811164
XII. Deposits and Advances			
--- Other Deposits	22799677	29996430	20340957
--- Advances Accounts	34979582	275121798	28687829
XIII. Miscellaneous Receipts including Statutory Receipts			
--- Statutory Liabilities	106809562	117700898	125595053
XIV. Any Other Receipts			
--- Purchase Accounts	107328660	35684644	72359030
--- Fee Receivable 2012-13			
--- Out Standing Liabilities	27003635	54049198	117427831
--- NIT Delhi Receivable	0	0	0
	3079511219	**4028979250**	**3488692155**

PAYMENTS	2014-15	2015-16	2016-17
I. Expenses			
a) Establishment Expenses	643451426	712148275	794001674
b) Academic Expenses	175768415	267844144	244681695
c) Administrative Expenses	129753851	131647109	127136332
d) Transportation Expenses	1381639	1414831	1181719
e) Repairs & Maintenance	147250421	178200550	127748635
f) Prior Period Expenses	0	0	0
II. Payments made against Earmarked/ Endowment Fund			
--- Earmarked Fund	230832734	252003509	233242893
--- Endowment Fund	326265	0	398140
--- PF Subscription	46061109	52985082	0
III. Payments against Sponsored Projects/ Scheme	45834934	48355408	78910097
IV. Payments against Sponsored Fellowships/ Scholarships			
V. Investments and Deposits made			
a) Out of Earmarked / Endowments Funds	1550000	0	0
b) Out of Own funds	0	0	0
VI. Term Deposits with Scheduled Banks	862812590	843638376	927185196
VII. Expenditure on Fixed Assets and Capital Work – in - progress	165512732	473895561	163624021
a) Fixed Assets			
b) Capital Work – in - Progress			
VIII. Other Payments including Statutory Payments			
---- Statutory Liabilities	107935220	118091514	124025648
IX. Refunds and Grants	0	0	0
X. Deposits and Advances			
--- Other Deposits	24868867	19101834	21174250
--- Advance Accounts	204097625	702582687	241259029
XI. Other Payments			
--- Outstanding Liabilities	7893762	27003635	54049198
--- Purchases Accounts	72583783	58479298	33488707
--- Electricity Deposit	0	0	2425840
---- NP Grant Receivable	100000000	0	0
--- Fee Receivable 2012-13	0	0	0
XII. Closing Balances			
a) Cash in Hand			
--- Main Cash Book	804422	1350306	1031206
--- Petty Cash Book	2927	22494	24361
--- Imprest with Departments	317889	340000	330000
--- Fee Account (Cash)	0	0	0
b) Bank Balance			
--- In Current Accounts	71472644	65702084	243962621
--- In Deposit Accounts	0	5000000	0
--- Saving Account (others)	35252071	57846967	294845
--- Fee Bank Account (Current a/c)	3745893	11325586	68516048
	3079511219	**4028979250**	**3488692155**

PART - II

ANNUAL ACCOUNTS AND AUDIT REPORT

2016- 2017



NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL

SIGNIFICANT ACCOUNTING POLICIES AND NOTE TO THE ACCOUNTS

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

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

03. **Fixed Assets**: Fixed assets are stated at cost acquisition and include other direct/indirect and incidental expenses incurred to put them into use. The Institute maintains registers of Fixed Assets etc.; Department wise, centralized assets register is not maintained. During the year the Institute has capitalized an amount of Rs.**835.32 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 2,50,000 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 Corportaion.
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 with Research Accounts as per the AG Audit comment during 2015-16 audit period. To that extent the opening balances has been regrouped between Main Institute Accounts and Research Accounts.

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

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

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

14. Some of the funds incurred expenses resulting in negative balances which were shown under Schedule – 11 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 2017-18

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 the next financial year.

NATIONAL INSTITUTEOF TECHNOLOGY, WARANGAL
CONSOLIDATED BALANCE SHEET AS AT 31-03-2017

(Amount in Rupees)

SOURCES OF FUNDS	SCHEDULE	Current Year	Previous Year
Corpus / Capital Fund	**1**	5853732814	5055400457
Designated / Earmarked / Endowment Funds	**2**	738334189	702700094
Current Liabilities & Provisions	**3**	343969443	261799465
TOTAL	**0**	**6936036446**	**6019900016**
APPLICATION OF FUNDS			
Fixed Assets	**4**		
-- Tangible Assets		2832089608	2678094323
-- Intangible Assets		33349035	23720299
-- Capital Work in progress		1199996302	1199996302
Investments	**5**		
-- Long Term		0	0
-- Short Term		559570809	451805138
Investments - Others	**6**	0	0
Current Assets	**7**	861462640	431838296
Loans, Advanes & Deposits	**8**	1449568052	1234445658
TOTAL		**6936036446**	**6019900016**
Significant Accounting Policies	**23**		
Contingent Liabilities and Notes to Accounts	**24**		

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL

SCHEDULES FORMING PART OFBALANCE SHEET AS AT 31-03-2017

SCHEDULE 1- CORPUS FUND / CAPITAL FUND	COLLEGE	RESEARCH	TOTAL
Balance as at the beginning of the year	5044864060	10536397	5055400457
Add: Contributions towards Corpus / Capital Fund	600000000	0	600000000
Add: Grants from UGC, GOI and State Government to the			0
extent utilized for capital expenditure	0	0	0
Add: Assets purchased out of Earmarked Funds	0	0	0
Add: Assets purchased out of Sponsored Projects where			0
ownership vests in the institution	0	0	0
Add: Assets Donated / Gifts Received	0	0	0
Add: Other Addition	0	0	0
Add: Excess of Income over expenditure transferred from			0
income & Expenditure Account	193171962	5160395	198332357
	5838036022	15696792	5853732814
Ded: Deficit of Incover over Expenditure transerred from			
income & Expenditure Account & PF Withdrawl	0	0	0
Balance at the year end	**5838036022**	**15696792**	**5853732814**

SCHEDULE 3 - CURRENT LIABILITIES & PROVISIONS	COLLEGE	RESEARCH	TOTAL
A. CURRENT LIABILITIES			
1. Deposits from staff			
--- Security Deposit for Staff Quarters	51840	0	51840
2. Deposits from students			
--- Lab and Library Deposit	34879150	0	34879150
--- Hostel Caution Money Deposit	446664	0	446664
--- NIT Co-operative Stores Deposit	429984	0	429984
3. Sundry Creditors			
a) For Goods & Services	0	0	0
b) Others	0	0	0
4. Deposits - others (including EMD, Security deposit)			
--- EMD / Security Deposit	42472747	26301	42499048
--- Other Deposit	2872872	0	2872872
--- Deposit for Rent and other service charges	2000	0	2000
--- ICC R&D Account	11000	0	11000

5. Statutory Liabilities(GPF, TDS, WC TAX, CPF, GIS, NPS):			
a) Overdue	0	0	0
b) Others			
--- Sales Tax	354125	0	354125
--- Profession Tax	253507	-359621	-106114
--- Income Tax	1123847	297000	1420847
--- LIC (SSS)	8	0	8
--- GLIS	1785	0	1785
--- Staff Contribution for NPS Scheme	0	0	0
--- Labour Commissioner (CESS)	149417	0	149417
--- Provident Fund Subscription	8000	0	8000
--- EPF	106569	0	106569
--- Seignorage Charges	283610	0	283610
--- Service / Commercial Tax	374579	0	374579
7. Other Current Liabilities:			
a) Salaries	0	0	0
b) Receipts against sponsored projects	0	127683914	127683914
c) Recpt against sponsored fellowships & scholarships	0	0	0
d) Unutilised Grants	15072314	0	15072314
e) Grants in advance	0	0	0
f) Other funds	0	0	0
g) Other liabilities	0	0	0
--- Outstanding Liabilities	117427831	0	117427831
TOTAL (A)	**216321849**	**127647594**	**343969443**
B. PROVISIONS			
1. For Taxation	0	0	0
2. Gratuity	0	0	0
3. Superannuation/ Pension	0	0	0
4. Accumulated Leave Encashment	0	0	0
5. Trade Warranties/ Claims	0	0	0
6. Others (Specify)	0	0	0
TOTAL (B)	0	0	0
TOTAL (A+B)	**216321849**	**127647594**	**343969443**

SCHEDULE 3 (c)- UNUTILISED GRANTS FROM UGC, GOVERNMENT OF INDIA AND STATE GOVERNMENTS

INVESTMENTS FROM EARMARKED/ ENDOWMENT FUNDS	COLLEGE	RESEARCH	TOTAL
A. Plan Grants: Government of India			
Balance B/f	4851955	0	4851955
Add: Receipts during the year	0	0	0
Total(a)	4851955	0	4851955
Less: Refunds	0	0	0
Less: Utilized for Revenue Expenses	0	0	0
Less: Utilized for Capital Expenses	0	0	0
total(b)	0	0	0
Unutilized carried forward (a-b)	4851955	0	4851955
B. UGC Grants: Plan			
Balance B/f	0	0	0
Receipts during the year	0	0	0
Total(a)	0	0	0
Less: Refunds	0	0	0
Less: Utilized for Revenue Expenses	0	0	0
Less: Utilized for Capital Expenses	0	0	0
total(b)	0	0	0
Unutilized carried forward (a-b)	0	0	0
C. UGC Grants Non Plan			
Balance B/f	0	0	0
Receipts during the year	0	0	0
Total(a)	0	0	0
Less: Refunds	0	0	0
Less: Utilized for Revenue Expenses	0	0	0
Less: Utilized for Capital Expenses	0	0	0
total(b)	0	0	0
Unutilized carried forward (a-b)	0	0	0
D. Grants from State Govt.			
Balance B/f	10220359	0	10220359
Receipts during the year	0	0	0
Total(a)	10220359	0	10220359
Less: Refunds	0	0	0
Less: Utilized for Revenue Expenses	0	0	0
Less: Utilized for Capital Expenses	0	0	0
total(b)	0	0	0
Unutilized carried forward (a-b)	10220359	0	10220359
Grand Total (A+B+C+D)	**15072314**	**0**	**15072314**

SCHEDULE - 4 - FIXED ASSETS	COLLEGE	RESEARCH	TOTAL
Land	1	0	1
Site Development	0	0	0
Buildings	1781836693	0	1781836693
Roads & Bridges	14355231	0	14355231
Tubewells & Water Supply	0	0	0
Sewarage & Drainage	0	0	0
Electrical Installation and Equipment	340000	0	340000
Plant & Machinery	0	0	0
Scientific & Laboratory Equipment	858928727	0	858928727
Office Equipment	0	0	0
Audit Visual Equipment	0	0	0
Computers & Peripherals	30007320	0	30007320
Furniture, Fixtures & Fittings	97066606	0	97066606
Vehicles	2678648	0	2678648
Lib Books & Scientific Journals	43737832	0	43737832
Small Value of assets	3138550	0	3138550
Tota (A)	2832089608	0	2832089608
Capital Work in progress (B)	1199996302	0	1199996302

Intangible Assets	COLLEGE	RESEARCH	TOTAL
Computer Software	0	0	0
E-Journals	33349035	0	33349035
Patents	0	0	0
Total (C)	33349035	0	33349035
Grand Total(A+B+C)	4065434945	0	4065434945
PREVIOUS YEAR			

SCHEDULE 5 - INVESTMENTS FROM EARMARKED / ENDOWMENT FUNDS	COLLEGE	RESEARCH	TOTAL
1. In Central Government Securities	0	0	0
2. In State Government Securities	0	0	0
3. Other Approved Securities	0	0	0
4. Shares	0	0	0
5. Debentures and Bonds	0	0	0
6. Term Deposits with Banks	559570809	0	559570809
7. Others (to be specified)	0	0	0
TOTAL	**559570809**	**0**	**559570809**

SCHEDULE 6 - INVESTMENTS - OTHERS	COLLEGE	RESEARCH	TOTAL
1. In Central Government Securities	0	0	0
2. In State Government Securities	0	0	0
3. Other Approved Securities	0	0	0
4. Shares	0	0	0
5. Debentures and Bonds	0	0	0
6. Others (to be specified)	0	0	0
TOTAL	**0**	**0**	**0**

SCHEDULE 7 - CURRENT ASSETS	COLLEGE	RESEARCH	TOTAL
1. Stock:			
a) Stores and Spares			
--- Stores and Spares	15472	0	15472
--- Loose Tools	0	0	0
--- Publications	0	0	0
--- Laboratory chemicals, consumables and glassware	0	0	0
--- Building Material	85660	0	85660
--- Electrical Material	0	0	0
--- Stationery	0	0	0
--- Water supply material	0	0	0
2. Sundry Debtors:			
a) Debts outstanding for a period exceeding six months	0	0	0
b) Others			
--- LC Suspense	-36263960	0	-36263960
--- FDD's	20981085	0	20981085
--- Fee Receivable	0	0	0
--- Plan Grant and Non Plan Grant Receivable	0	0	0
3. Cash and Bank Balances			
a) Cash Balance in hand(incl cheques / drafts and imprest)			
- Main Cash Balance	1031206	0	1031206
- Petty Cash Balance	24361	0	24361
- Imprest with department	330000	0	330000
b) With Scheduled Banks:			
- In Current Accounts	256496316	55982353	312478669
- In Term Deposit Accounts - **STDR**	500607143	61878159	562485302
- In Savings Accounts	294845	0	294845
c) With Non-Scheduled banks:			
- In Current Accounts	0	0	0
- In Term Deposit Accounts	0	0	0
- In Savings Accounts	0	0	0
4. Post Office- Savings Accounts	0	0	0
TOTAL	**743602128**	**117860512**	**861462640**

SCHEDULE 8 - LOANS, ADVANCES & DEPOSITS	COLLEGE	RESEARCH	TOTAL
1. Advances to employees (Non-interest bearing):			
a) Salary	0	0	0
b) Festival	118350	0	118350
c) LTC	1203815	0	1203815
d) Others (to be specified)	0	0	0
2. Long Term Advances to employees (Interest bearing)			
a) Vehicle loan	0	0	0
b) Home Loan	0	0	0
c) Others (to be specified)	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
b) To Suppliers	0	0	0
c) Others	0	23591422	23591422
4. Prepaid Expenses			
a) Insurance	0	0	0
b) Other Expenses	0	0	0
5. Deposits			
a) Telephone	27200	0	27200
b) Lease Rent	0	0	0
c) Electricity	10429651	0	10429651
d) AICTE, if applicable	0	0	0
e) Others(to be specified)			
--- Deposit with Other Department (As per Annexure)	2715342	0	2715342
--- Other Dept / Contractors including CPWD	1409440085	0	1409440085
6. Income Accrued:			
a) On Investments from Earmarked/ Endowment Funds	0	0	0
b) On Investments- Others	0	0	0
c) On Loans and Advances	0	0	0
d) Others (includes income due unrealized)	0	0	0
7. Other Current Assets receivable from UGC / sponsored projects			
a) Debit balances in Sponsored Projects	149735	1892452	2042187
b) Debit balances in Sponsored Fellowship & Scholarship	0	0	0
c) Grants Recoverable	0	0	0
d) Other receivables from UGC	0	0	0
8. Claims Receivable	0	0	0
TOTAL	**1424084178**	**25483874**	**1449568052**

NATIONAL INSTITUTEOF TECHNOLOGY, WARANGAL
CONSOLIDATED INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH 2017

SOURCES OF FUNDS	SCHEDULE	Current Year	Previous Year
Academic Receipts	**9**	395621007	347949689
Garnts / Subsidies	**10**	1026000000	930000000
Income from Investments	**11**	13476966	11010472
Interest Earned	**12**	0	0
Other Income	**13**	57984439	77752464
Prior Period Income	**14**	0	0
TOTAL (A)		**1493082412**	**1366712625**
EXPENDITURE			
Staff Payments & Benefits (Establishment Expenses)	**15**	794001674	711028230
Academic Expenses	**16**	244681695	267844144
Administrative and General Exp	**17**	127136332	128844536
Transportation expenses	**18**	1181719	1414831
Reparis & Maintenance	**19**	127748635	178200550
Finance Cost	**20**	0	0
Depreciation	**4**	0	0
Other Expenses	**21**	0	14000
Prior Period Expenses	**22**	0	0
TOTAL (B)		**1294750055**	**1287346291**
Balance being excess of Income over Expenditure (A-B)		198332357	79366334
Transfer to / from Designated Fund		0	0
Building Fund		0	0
Others if Any		0	0
Balance being surplus (Deficit) carried to General Fund		**198332357**	**79366334**
Notes on Accounts	**22**		

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL
SCHEDULES FORMING PART OF CONSOLIDATED INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR 2016-17

SCHEDULE 9- ACADEMIC RECEIPTS

FEE FROM STUDENTS	COLLEGE	RESEARCH	TOTAL
A. Academic			
1.Tution fee	393899507	0	393899507
2. Admission fee	1553000	0	1553000
3. Enrolment fee	0	0	0
4. Library Admission fee	0	0	0
5. Laboratory fee	0	0	0
6. Art & Craft fee	0	0	0
7. Registration fee	0	0	0
8. Syllabus fee	0	0	0
TOTAL (A)	**395452507**	**0**	**395452507**
B. Examinations			
1. Admission Test fee	0	0	0
2. Annual Examination fee	0	0	0
3. Marksheet, Certificate fee	0	0	0
4. Entrance Examination Fee	0	0	0
TOTAL (B)	**0**	**0**	**0**
C. Other fees			
1. Identity Card fee	168500	0	168500
2. Fine/ Miscellaneous fee	0	0	0
3. Medical fee	0	0	0
4. Transportation fee	0	0	0
5. Hostel fee	0	0	0
TOTAL (C)	**168500**	**0**	**168500**
D. Sale of Publications			
1. Sale of Admission forms	0	0	0
2. Sale of Syllabus and Question paper, etc.	0	0	0
3. Sale of Prospectus including admission forms	0	0	0
TOTAL (D)	**0**	**0**	**0**
E.Other Academic Receipts			
1. Registration fee for workshops, programmes	0	0	0
2. Registration fees (Academic Staff College)	0	0	0
TOTAL (E)	**0**		**0**
GRAND TOTAL (A+B+C+D)	**395621007**	**0**	**395621007**

SCHEDULE 10 - GRANTS / SUBSIDIES (IRREVOCABLE GRANTS RECEIVED)	COLLEGE	RESEARCH	TOTAL
Balance B/f	0	0	0
Add: Receipts during the year	1026000000	0	1026000000
Total	1026000000	0	1026000000
Less: Refunded to UGC	0	0	0
Balance	1026000000	0	1026000000
Less: Utilized for Capital Expenditure (A)	0	0	0
Balance	1026000000	0	1026000000
Less: Utilized for Revenue Expenditure (B)	1026000000	0	1026000000
TOTAL	0	0	0

SCHEDULE 11- INCOME FROM INVESTMENTS	COLLEGE	RESEARCH	TOTAL
1. Interest			
a) On Govt. Securities	0	0	0
b) Other Bonds/ Debentures	0	0	0
2. Interest on Term Deposits	8316571	5160395	13476966
3. Income accrued but not due on Term Deposits / Interest bearing advances to employees	0	0	0
4. Interest on Savings Bank Accounts	0	0	0
4. Others (Specify)	0	0	0
TOTAL	**8316571**	**5160395**	**13476966**

SCHEDULE 12- INTEREST EARNED

Particulars	COLLEGE	RESEARCH	TOTAL
1. On Savings Accounts with Scheduled Banks	0	0	0
2. On Loans			
a) Employees / Staff	0	0	0
b) Others	0	0	0
3. On Debtors and Other Receivables	0	0	0
TOTAL	**0**	**0**	**0**

SCHEDULE 13- OTHER INCOME

A.Income from Land & Building	COLLEGE	RESEARCH	TOTAL
1. Hostel Room Rent	32923000	0	32923000
2. License fee	1106713	0	1106713
3. Hire Charges of Auditorium/Play ground/Convention Centre,etc.	373650	0	373650
4. Electricity Charges recovered	8634882	0	8634882
5. Water Charges recovered	124330	0	124330
Total (A)	**43162575**	**0**	**43162575**
B. Sale of Institute's Publications	**0**	**0**	0
C. Income from from holding events			
1.Gross Receipts from annual function/sports caenival	0	0	0
Less : Direct Expenditure incurred on the annual function/sports carnival	0	0	0
2. Gross Receipts from fetes	0	0	0
Less : Direct Expenditure incurred on the fetes	0	0	0
3. Gross Receipts for educational tours	0	0	0
Less : Direct Expenditure incurred on the tours	0	0	0
4. Others (to be specified and separately disclosed)	0	0	0
TOTAL(C)	**0**	**0**	**0**
D. Others			
1. Income from Consultancy	0	0	0
2. RTI Fees	0	0	0
3. Income from Royalty	0	0	0
4. Sale of application form (recruitment)	0	0	0
5. Misc. receipts (Sale of tender form, waste paper, etc.)	14821864	0	14821864
6. Profit on Sale/ Disposal of Assets:	0	0	0
a) Owned Assets	0	0	0
b) Assets acquired out of grants, or received free of cost	0	0	0
7. Grants / Donations from Institutions, Welfare Bodies and International Organizations	0	0	0
8. Others (Specify)	0	0	0
TOTAL(H)	**14821864**	**0**	**14821864**
GRAND TOTAL (A+B+C+D+E+F+G+H)	**57984439**	**0**	**57984439**

SCHEDULE 14- PRIOR PERIOD INCOME

Particulars	COLLEGE	RESEARCH	TOTAL
1. Academic Receipts	0	0	0
2. Income from Investments	0	0	0
3. Interest Income	0	0	0
4. Other Income	0	0	0
TOTAL	**0**	**0**	**0**

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL
SCHEDULES FORMING PART OF CONSOLIDATED INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR 2016-17

SCHEDULE 15- STAFF PAYMENTS & BENEFITS	COLLEGE	RESEARCH	TOTAL
a) Salaries and Wages	508763964	0	508763964
b) Allowances and Bonus - Bonus for Non Teaching Staff	2697574	0	2697574
c) Contribution to Provident Fund	0	0	0
d) Contribution to Other Fund (Specify)	0	0	0
e) Staff Welfare Expenses	5290746	0	5290746
f) Retirement and Terminal Benefits	227829652	0	227829652
g) LTC facility	3976176	0	3976176
h) Medical facility	7627672	0	7627672
i) Children Education Allowance	6915947	0	6915947
j) Honorarium	0	0	0
k) Others (Specify)	0	0	0
--- Amenities to Staff & Students	296923	0	296923
--- Daily wage / consolidated / Outsourcing charges	30603020	0	30603020
TOTAL	**794001674**	**0**	**794001674**

SCHEDULE 16- ACADEMIC EXPENSES	COLLEGE	RESEARCH	TOTAL
a) Laboratory Expenses	0	0	0
b) Field work/ Participation in Conferences	0	0	0
c) Expenses on Seminars / Workshops	3631771	0	3631771
d) Payment to Visiting Faculty - Contingency for Spl Faculty & Allowances	39241525	0	39241525
e) Examination	0	0	0
f) Student Welfare expenses	0	0	0
g) Admission expenses	0	0	0
h) Convocation expenses	0	0	0
i) Publications	0	0	0
j) Stipend/ means-cum-merit scholarship	194460746	0	194460746
k) Subscription expenses	0	0	0
l) Others (Specify)	0	0	0
--- Professional Development Allowance	7347653	0	7347653
TOTAL	**244681695**	**0**	**244681695**

SCHEDULE 17- ADMINISTRATIVE AND GENERAL EXPENSES	COLLEGE	RESEARCH	TOTAL
A. Infrastructure			
a) Electricity and Power	78091168	0	78091168
b) Water charges	3613104	0	3613104
c) Insurance	0	0	0
d) Rent, Rates and Taxes (including property tax)	0	0	0
B. Communication	0	0	0
e) Postage and telegram	0	0	0
f) Telephone, Fax and Internet Charges	10500876	0	10500876
C. Others	0	0	0
g) Printing and Stationary (Consumption)	2528690	0	2528690
h) Travelling and Conveyance Expenses	3999937	0	3999937
i) Hospitality	0	0	0
j) Auditor's Remuneration	293250	0	293250
k) Professional Charges - Legal Charges	707175	0	707175
Balance C/d	**99734200**	**0**	**99734200**
Balance B/d	99734200	0	99734200
l) Advertisement and Publicity	1525990	0	1525990
m) Magazines and Journals	0	0	0
n) Others (Specify)	0	0	0
--- DOC - Contingent Expenses	7996186	0	7996186
--- Security Staff Salaries (Temporary Staff)	15140454	0	15140454
--- Conservancy Charges	0	0	0
--- Guest House Charges	394116	0	394116
--- Other Miscelleneous Expenses	2345386	0	2345386
--- Interest on Provident Fund	0	0	0
TOTAL	**127136332**	**0**	**127136332**

SCHEDULE 18- TRANSPORTATION EXPENSES	COLLEGE	RESEARCH	TOTAL
1. Vehicles (owned by educational institution)			
a) Running Expenses	1153846	0	1153846
b) Repairs and Maintenance	0	0	0
c) Insurance Expenses	27873	0	27873
2. Vehicles taken on Rent/ Lease	0	0	0
a)Rent/ Lease Expenses	0	0	0
3. Vehicle (Taxi) hiring expenses	0	0	0
TOTAL	**1181719**	**0**	**1181719**

SCHEDULE 19- REPAIRS AND MAINTENANCE	COLLEGE	RESEARCH	TOTAL
a) Building	127067199	0	127067199
b) Furnitures and Fixtures	0	0	0
c) Plant and Machinery	0	0	0
d) Office Equipment	681436	0	681436
e) Computers	0	0	0
f) Laboratory & scientific equipment	0	0	0
g) Audit Visual Equipment	0	0	0
h) Cleaning Material & Services	0	0	0
i) Book binding charges	0	0	0
j) Gardening	0	0	0
k) Estate Maintenance	0	0	0
l) Others (Specify)	0	0	0
TOTAL	**127748635**	**0**	**127748635**

SCHEDULE 20- FINANCE COSTS	COLLEGE	RESEARCH	TOTAL
a) Bank Charges	0	0	0
b) Others (Specify)	0	0	0
TOTAL	**0**	**0**	**0**

SCHEDULE 21- OTHER EXPENSES	COLLEGE	RESEARCH	TOTAL
a) Provision for Bad and Doubtful Debts/ Advances	0	0	0
b) Irrecoverable Balances Written-off	0	0	0
c) Grants / Subsidies to other Institutions / Organizations	0	0	0
c) Others (Specify)	0	0	0
TOTAL	**0**	**0**	**0**

SCHEDULE 22- PRIOR PERIOD EXPENSES	COLLEGE	RESEARCH	TOTAL
1. Establishment Expenses	0	0	0
2. Academic Expenses	0	0	0
3. Administrative Expenses	0	0	0
4. Transportation Expenses	0	0	0
5. Repairs & Maintenance	0	0	0
c) Other Expenses	0	0	0
TOTAL	**0**	**0**	**0**

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL

CONSOLIDATED RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31-03-2017

(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	794001674	711028230
--- Main Cash Book	1350306	804422	b) Academic Expenses	244681695	267844144
--- Petty Cash Book	22494	2927	c) Administrative Expenses	127136332	128858536
--- Imprest with Departments	340000	317889	d) Transportation Expenses	1181719	1414831
--- Fee Account (Cash)	0	0	e) Repairs & Maintenance	127748635	178200550
			f) Prior Period Expenses	0	0
b) Bank Balances					
			II. Payments made against Earmarked / Endowment Funds		
--- In Current Accounts	88647592	55427429			
--- In Deposit Accounts	0	0	--- Earmarked Fund	233242893	252003509
--- Savings Account (others)	1089518	1036578	--- Endowment Fund	398140	0
--- Fee Bank A/c(Current)	11325586	3745893	--- PF Subscription	0	0
			III. Payments against Sponsored Projects / Schemes	78910097	48355408
			IV. Payments against Sponsored Felllowships / Scholarships	0	0
II. Grants Received					
a) From Govt. of India					
			V. Investments and Deposits made		
--- Towards General Fund	600000000	840000000			
			a) Out of Earmarked /		
--- Towards Revenue Exp	1026000000	930000000	Endowments funds	0	0
--- L/Yr Receivable	0	100000000	b) Out of Own funds	0	0
b) From State Government	0	0			
			VI. Term Deposits with		
c) From Other Sources - GPF	0	0	**Scheduled Banks**	927185196	770078433
			VII. Expenditure on Fixed Assets and Capital Works - in - Progress		
III. Academic Receipts (As per Annexure)	404390919	370690569			
			a) Fixed Assets	163624021	469925796
IV. Receipts against Earmarked / Endowment Fund			b) Capital Work - in - Progress	0	0
--- Earmarked Fund	268714448	330278471			
--- Endowment Fund	0	0			
V. Receipts against Sponsored Projects / Schemes	96839976	99874726	**VIII. Other Payments including statutory payments**		
			--- Statutory Liabilities	124025648	118091514
VI. Receipts against Sponsored Fellowships and Scholarships	0	0			

			IX. Refunds and Grants	0	0
VII. Income on Investments from					
---Earmarked/Endowment Funds	560680	562310	**X. Deposits and Advances**		
--- Other Investments	0	0	--- Other Deposits	21174250	18936834
			--- Advances Accounts	241259029	700101727
VIII. Interest received on					
--- Bank Deposits	13476966	11010472	**XI. Other Payments**		
--- Loand and Advances	0	0			
--- Savings Bank Account	0	0	--- Outstanding Liabilities	54049198	27003635
			--- Purchases Accounts	33488707	58479298
IX. Investment encashed	0	0	--- Electricity Deposit	2425840	0
X. Term Deposits with Scheduled Banks encashed	562308443	544262663			
XI. Other Income (including PPI)					
--- Income from L & B	34403363	22083204			
--- Other Income	14811164	32928380			
XII. Deposits & Advances			**XII. Closing Balances**		
--- Other Deposits	20340957	29996430	a) Cash in hand		
--- Advances Accounts	28687829	272640838	--- Main Cash Book	1031206	1350306
			--- Petty Cash Book	24361	22494
XIII. Miscelleneous Receipts including Statutory Receipts			--- Imprest with Departments	330000	340000
--- Statutory Liabilities	125595053	117700898	--- Fee Account (Cash)	0	0
XIV. Any Other Receipts			**b) Bank Balances**		
--- Purchase Accounts	72359030	35684644	--- In Current Accounts	243962621	57913891
			--- In Deposit Accounts	0	0
--- Outstanding Liabilities	117427831	54049198	--- Savings Account (Others)	294845	1089518
			--Fees Bank account (Current a/c)	68516048	42059287
	3488692155	**3853097941**		**3488692155**	**3853097941**

NATIONAL INSTITUTEOF TECHNOLOGY, WARANGAL
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH 2017

SOURCES OF FUNDS	SCHEDULE	General Fund	Previous Year
Academic Receipts	**9**	395621007	347949689
Garnts / Subsidies	**10**	1026000000	930000000
Income from Investments	**11**	8316571	6223945
Interest Earned	**12**	0	0
Other Income	**13**	57984439	77752464
Prior Period Income	**14**	0	0
TOTAL (A)		**1487922017**	**1361926098**
EXPENDITURE			
Staff Payments & Benefits (Establishment Expenses)	**15**	794001674	711028230
Academic Expenses	**16**	244681695	267844144
Administrative and General Exp	**17**	127136332	128844536
Transportation expenses	**18**	1181719	1414831
Reparis & Maintenance	**19**	127748635	178200550
Finance Cost	**20**	0	0
Depreciation	**4**	0	0
Other Expenses	**21**	0	0
Prior Period Expenses	**22**	0	0
TOTAL (B)		**1294750055**	**1287332291**
Balance being excess of Income over Expenditure (A-B)		193171962	74593807
Transfer to / from Designated Fund		0	0
Building Fund		0	0
Others if Any		0	0
Balance being surplus (Deficit) carried to General Fund		**193171962**	**74593807**
Notes on Accounts	**22**		

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL

RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31-03-2017

(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	794001674	711028230
--- Main Cash Book	1350306	804422	b) Academic Expenses	244681695	267844144
--- Petty Cash Book	22494	2927	c) Administrative Expenses	127136332	128844536
--- Imprest with Departments	340000	317889	d) Transportation Expenses	1181719	1414831
--- Fee Account (Cash)	0	0	e) Repairs & Maintenance	127748635	178200550
			f) Prior Period Expenses	0	0
b) Bank Balances					
			II. Payments made against Earmarked / Endowment Funds		
--- In Current Accounts	57913891	49698544			
--- In Deposit Accounts	0	0	--- Earmarked Fund	233242893	252003509
--- Savings Account (others)	1089518	1036578	--- Endowment Fund	398140	0
--- Fee Bank A/c(Current)	11325586	3745893	**III. Payments against Sponsored Projects / Schemes**	0	0
II. Grants Received			**IV. Payments against Sponsored Felllowships / Scholarships**	0	0
a) From Govt. of India					
--- Towards General Fund	600000000	840000000	**V. Investments and Deposits made**		
--- Towards Revenue Exp	1026000000	930000000	a) Out of Earmarked / Endowments funds	0	0
--- L/Yr Receivable	0	100000000	b) Out of Own funds	0	0
b) From State Government	0	0			
c) From Other Sources	0	0	**VI. Term Deposits with Scheduled Banks**	927185196	760078433
III. Academic Receipts (As per Annexure)	404390919	370690569	**VII. Expenditure on Fixed Assets and Capital Works - in - Progress**		
			a) Fixed Assets	163624021	469925796
IV. Receipts against Earmarked / Endowment Fund			b) Capital Work - in - Progress	0	0
--- Earmarked Fund	268714448	330278471			
--- Endowment Fund	0	0			
V. Receipts against Sponsored Projects / Schemes	0	0	**VIII. Other Payments including statutory payments**		
			--- Statutory Liabilities	123614493	117745354
VI. Receipts against Sponsored Fellowships and Scholarships	0	0			
			IX. Refunds and Grants	0	0
VII. Income on Investments from					
--- Earmarked / Endowment Funds	560680	562310	**X. Deposits and Advances**		
--- Other Investments	0	0	--- Other Deposits	21174250	17831409
			--- Advances Accounts	237380173	673709332

VIII. Interest received on					
--- Bank Deposits	8316571	6223945	**XI. Other Payments**		
--- Loand and Advances	0	0			
--- Savings Bank Account	0	0	--- Outstanding Liabilities	54049198	27003635
			--- Purchases Accounts	33488707	58479298
IX. Investment encashed	0	0	--- Electricity Deposit	2425840	0
			--- NP Grant Receivable	0	0
X. Term Deposits with Scheduled Banks encashed	562308443	544262663			
XI. Other Income (including PPI)					
--- Income from L & B	34403363	22083204			
--- Other Income	14811164	32928380			
XII. Deposits & Advances			**XII. Closing Balances**		
--- Other Deposits	20340957	27374494	a) Cash in hand		
--- Advances Accounts	22600640	268862473	--- Main Cash Book	1031206	1350306
			--- Petty Cash Book	24361	22494
XIII. Miscelleneous Receipts including Statutory Receipts			--- Imprest with Departments	330000	340000
--- Statutory Liabilities	125233853	117544248	--- Fee Account (Cash)	0	0
XIV. Any Other Receipts			**b) Bank Balances**		
--- Purchase Accounts	72359030	35684644	--- In Current Accounts	243962621	57913891
--- Fee Receivable 2012-13	0	0	--- In Deposit Accounts	0	0
--- Outstanding Liabilities	117427831	54049198	--- Savings Account (Others)	294845	1089518
			--- Fees Bank account (Current a/c)	12533695	11325586
	3349509694	**3736150852**		**3349509694**	**3736150852**

NATIONAL INSTITUTEOF TECHNOLOGY, WARANGAL
TECHNICAL EDUCTION QUALITY IMPROVEMENT PROGRAMME - II
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH 2017

SOURCES OF FUNDS	SCHEDULE	Current Year	Previous Year
Academic Receipts	**9**	0	0
Garnts / Subsidies	**10**	0	0
Income from Investments	**11**	3214174	289390
Interest Earned	**12**	0	0
Other Income	**13**	1194650	0
Prior Period Income	**14**	0	0
TOTAL (A)		**4408824**	**289390**
EXPENDITURE			
Staff Payments & Benefits (Establishment Expenses)	**15**	528000	849618
Academic Expenses	**16**	0	0
Administrative and General Exp	**17**	6956770	2540771
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)		**7484770**	**3390389**
Balance being excess of Income over Expenditure (A-B)		-3075946	-3100999
Transfer to / from Designated Fund		0	0
Building Fund		0	0
Others if Any		0	0
Balance being surplus (Deficit) carried to General Fund		**-3075946**	**-3100999**
Notes on Accounts	**22**		

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL

TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME - II

RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31-03-2017

(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	528000	849618
b) Bank Balances			b) Academic Expenses	0	0
--- SBH NITW Current A/c	5351564	10963193	c) Administrative Expenses	6956770	2540771
			d) Transportation Expenses	0	0
II. Grants Received			e) Repairs & Maintenance	0	0
a) GOI - MHRD Grants	35000000	25000000	f) Prior Period Expenses	0	0
b) GOI - MHRD COE Grants	7500000	0			
			II. Payments made against Earmarked / Endowment Funds		
C) GOI - DST National Workshop	400000				
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**	30000000	32500000
			VII. Expenditure on Fixed Assets and Capital Works - in - Progress		
VIII. Interest received on					
--- Bank Deposits	3214174	289390	a) Fixed Assets	15199708	10630
--- 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	32500000	5000000	**IX. Refunds and Grants**	0	0

XI. Other Income (including PPI)			**X. Deposits and Advances**	0	0
--- Income from L & B	0	0	--- EMD	601610	0
--- Other Income			--- Advances Accounts	4262360	2480960
-- Sale of Tender Schedule	0	0	--- COE	7500000	0
-- Training / Regn Fee Coll	1194650	0	--- DST	400000	
			XI. Other Payments	0	0
XII. Deposits & Advances			**XII. Closing Balances**		
--- EMD	0	0	a) Cash in hand		
--- Advances Accounts	4292360	2480960	b) Bank Balances		
--- COE	0	0	--- SBH NITW Current A/c	24004300	5351564
XIII. Miscelleneous Receipts including Statutory Receipts	0	0			
XIV. Any Other Receipts	0	0			
	89452748	**43733543**		**89452748**	**43733543**

NATIONAL INSTITUTEOF TECHNOLOGY, WARANGAL
TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME - II
BALANCE SHEET AS AT 31-03-2017

(Amount in Rupees)

SOURCES OF FUNDS	SCHEDULE	Current Year	Previous Year
Corpus / Capital Fund	**1**	116778147	84854093
Designated / Earmarked / Endowment Funds	**2**	0	0
Current Liabilities & Provisions	**3**	30000	601610
TOTAL	**0**	**116808147**	**85455703**
APPLICATION OF FUNDS			
Fixed Assets	**4**		
-- Tangible Assets		67803847	52604139
-- 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**	49004300	32851564
Loans, Advanes & Deposits	**8**	0	0
TOTAL		**116808147**	**85455703**
Significant Accounting Policies	**23**		
Contingent Liabilities and Notes to Accounts	**24**		

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL

TEQIP - II CoE - SUSTAINABLE ENERGY STUDIES

RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31-03-2017

(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	333899	270427
b) Bank Balances			b) Academic Expenses	0	0
--- SBH NITW Current A/c	2436629	10810907	c) Administrative Expenses	2564711	247802
			d) Transportation Expenses	0	0
II. Grants Received			e) Repairs & Maintenance	0	0
a) GOI - MHRD Grants	7500000	0	f) Prior Period Expenses	0	0
b) GOI - MHRD COE Grants	0	0			
			II. Payments made against Earmarked / Endowment Funds		
III. Academic Receipts	0	0	--- Earmarked Fund	0	0
			--- Endowment Fund	0	0
IV. Receipts against Earmarked / Endowment Fund	0	0	**III. Payments against Sponsored Projects / Schemes**	0	0
V. Receipts against Sponsored Projects / Schemes	0	0	**IV. Payments against Sponsored Felllowships / Scholarships**	0	0
VI. Receipts against Sponsored Fellowships and Scholarships	0	0	**V. Investments and Deposits made**		
			a) Out of Earmarked / Endowments funds	0	0
VII. Income on Investments from			b) Out of Own funds	0	0
--- Earmarked / Endowment Funds	0	0			
--- Other Investments	0	0	**VI. Term Deposits with Scheduled Banks**	0	0
			VII. Expenditure on Fixed Assets and Capital Works - in - Progress		
VIII. Interest received on					
--- Bank Deposits	384316	1268086	a) Fixed Assets	4288688	3959135
--- 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	2500000	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	0	165000
--- Other Income			--- Advances	37000	0
-- 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	5596647	2436629
			--- SBH NITW FD A/c	0	5000000
	12820945	**12078993**		**12820945**	**12078993**

NATIONAL INSTITUTEOF TECHNOLOGY, WARANGAL
TEQIP - II CoE - SUSTAINABLE ENERGY STUDIES
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH 2017

SOURCES OF FUNDS	SCHEDULE	Current Year	Previous Year
Academic Receipts	**9**	0	0
Garnts / Subsidies	**10**	0	0
Income from Investments	**11**	384316	1268086
Interest Earned	**12**	0	0
Other Income	**13**	0	0
Prior Period Income	**14**	0	0
TOTAL (A)		**384316**	**1268086**
EXPENDITURE			
Staff Payments & Benefits (Establishment Expenses)	**15**	333899	270427
Academic Expenses	**16**	0	0
Administrative and General Exp	**17**	2564711	247802
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)		**2898610**	**518229**
Balance being excess of Income over Expenditure (A-B)		-2514294	749857
Transfer to / from Designated Fund		0	0
Building Fund		0	0
Others if Any		0	0
Balance being surplus (Deficit) carried to General Fund		**-2514294**	**749857**
Notes on Accounts	**22**		

NATIONAL INSTITUTEOF TECHNOLOGY, WARANGAL
TEQIP - II CoE - SUSTAINABLE ENERGY STUDIES
BALANCE SHEET AS AT 31-03-2017

(Amount in Rupees)

SOURCES OF FUNDS	SCHEDULE	Current Year	Previous Year
Corpus / Capital Fund	**1**	24011150	19025444
Designated / Earmarked / Endowment Funds	**2**	0	0
Current Liabilities & Provisions	**3**	0	0
TOTAL	**0**	**24011150**	**19025444**
APPLICATION OF FUNDS			
Fixed Assets	**4**		
-- Tangible Assets		15877503	11588815
-- 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**	8133647	7436629
Loans, Advanes & Deposits	**8**	0	0
TOTAL		**24011150**	**19025444**
Significant Accounting Policies	**23**		
Contingent Liabilities and Notes to Accounts	**24**		

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL
TEQIP - II CoE - SUSTAINABLE ENERGY STUDIES
SCHEDULES FORMING PART OFBALANCE SHEET AS AT 31-03-2017

SCHEDULE 1- CORPUS FUND / CAPITAL FUND	CURRENT YEAR	PREVIOUS YEAR
Balance as at the beginning of the year	19025444	18275587
Add: Contributions towards Corpus / Capital Fund	7500000	0
Add: Grants from UGC, GOI and State Government to the extent utilized for capital expenditure	0	0
Add: Assets purchased out of Earmarked Funds	0	0
Add: Assets purchased out of Sponsored Projects where ownership vests in the institution	0	0
Add: Assets Donated / Gifts Received	0	0
Add: Other Addition	0	0
Add: Excess of Income over expenditure transferred from Income & Expenditure Account	0	749857
	26525444	19025444
Ded: Deficit of Incover over Expenditure transerred from Income & Expenditure Account	-2514294	0
Balance at the year end	**24011150**	**19025444**

SCHEDULE 3 - CURRENT LIABILITIES & PROVISIONS	CURRENT YEAR	PREVIOUS YEAR
A. CURRENT LIABILITIES		
1. Deposits from staff		
2. Deposits from students		
3. Sundry Creditors		
a) For Goods & Services	0	0
b) Others	0	0
4. Deposits - others (including EMD, Security deposit)	0	0
5. Statutory Liabilities(GPF, TDS, WC TAX, CPF, GIS, NPS):		
a) Overdue	0	0
b) Others		
7. Other Current Liabilities:		
a) Salaries	0	0
b) Receipts against sponsored projects	0	0
c) Receipts against sponsored fellowships & scholarships	0	0
d) Unutilised Grants	0	0
e) Grants in advance	0	0
f) Other funds	0	0
g) Other liabilities	0	0
TOTAL (A)	0	0

B. PROVISIONS		
1. For Taxation	0	0
2. Gratuity	0	0
3. Superannuation/ Pension	0	0
4. Accumulated Leave Encashment	0	0
5. Trade Warranties/ Claims	0	0
6. Others (Specify)	0	0
TOTAL (B)	0	0
TOTAL (A+B)	0	0

SCHEDULE 7 - CURRENT ASSETS	**CURRENT YEAR**	**PREVIOUS YEAR**
1. Stock:		
a) Stores and Spares		
--- Stores and Spares	0	0
--- Loose Tools	0	0
--- Publications	0	0
--- Laboratory chemicals, consumables and glassware	0	0
--- Building Material	0	0
--- Electrical Material	0	0
--- Stationery	0	0
--- Water supply material	0	0
2. Sundry Debtors:		
a) Debts outstanding for a period exceeding six months	0	0
b) Others - Advances	37000	0
3. Cash and Bank Balances		
a) Cash Balance in hand(incl cheques / drafts and imprest)		
- Main Cash Balance	0	0
- Petty Cash Balance	0	0
- Imprest with department	0	0
b) With Scheduled Banks:		
- In Current Accounts	5596647	2436629
- In Term Deposit Accounts - **STDR**	2500000	5000000
- In Savings Accounts	0	0
c) With Non-Scheduled banks:		
- In Current Accounts	0	0
- In Term Deposit Accounts	0	0
- In Savings Accounts	0	0
4. Post Office- Savings Accounts	0	0
TOTAL	8133647	7436629

NATIONAL INSTITUTEOF TECHNOLOGY, WARANGAL
RESEARCH SCHEMES ACCOUNT
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH 2017

SOURCES OF FUNDS	SCHEDULE	Current Year	Previous Year
Academic Receipts	**9**	0	0
Garnts / Subsidies	**10**	0	0
Income from Investments	**11**	5160395	4786527
Interest Earned	**12**	0	0
Other Income	**13**	0	0
Prior Period Income	**14**	0	0
TOTAL (A)		**5160395**	**4786527**
EXPENDITURE			
Staff Payments & Benefits (Establishment Expenses)	**15**	0	0
Academic Expenses	**16**	0	0
Administrative and General Exp	**17**	0	0
Transportation expenses	**18**	0	0
Reparis & Maintenance	**19**	0	0
Finance Cost	**20**	0	0
Depreciation	**4**	0	0
Other Expenses	**21**	0	14000
Prior Period Expenses	**22**	0	0
TOTAL (B)		**0**	**14000**
Balance being excess of Income over Expenditure (A-B)		5160395	4772527
Transfer to / from Designated Fund		0	0
Building Fund		0	0
Others if Any		0	0
Balance being surplus (Deficit) carried to General Fund		**5160395**	**4772527**
Notes on Accounts	**22**		

NATIONAL INSTITUTEOF TECHNOLOGY, WARANGAL
RESEARCH SCHEMES ACCOUNT
BALANCE SHEET AS AT 31-03-2017

(Amount in Rupees)

SOURCES OF FUNDS	SCHEDULE	Current Year	Previous Year
Corpus / Capital Fund	**1**	15696792	10536397
Designated / Earmarked / Endowment Funds	**2**	0	0
Current Liabilities & Provisions	**3**	127647594	109642316
TOTAL		**143344386**	**120178713**
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**	117860512	92611860
Loans, Advanes & Deposits	**8**	25483874	27566853
TOTAL		**143344386**	**120178713**
Significant Accounting Policies	**23**		
Contingent Liabilities and Notes to Accounts	**24**		

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL

RESEARCH SCHEMES ACCOUNT

RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31-03-2017

(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	30733701	5728885	c) Administrative Expenses	0	14000
			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**	78910097	48355408
V. Receipts against Sponsored Projects / Schemes	96839976	99874726	**IV. Payments against Sponsored Felllowships / Scholarships**	0	0
VI. Receipts against Sponsored Fellowships and Scholarships	0	0	**V. Investments and Deposits made**		
			a) Out of Earmarked / Endowments funds	0	0
VII. Income on Investments from			b) Out of Own funds	0	0
--- Earmarked / Endowment Funds	0	0			
--- Other Investments	0	0	**VI. Term Deposits with Scheduled Banks**	0	10000000
VIII. Interest received on			**VII. Expenditure on Fixed Assets and Capital Works - in - Progress**		
--- Bank Deposits	5160395	4786527	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	0	--- Income Tax	346305	242116
XI. Other Income (including PPI)			--- Professional Tax	64850	104044
--- 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	3878856	26392395
--- Advances Accounts	6087189	3778365	--- FDD Suspense Account	0	1105425
--- FDD Suspense Account	0	2621936	--- LC Suspense Account	0	0
XIII. Miscelleneous Receipts including Statutory Receipts			**XI. Other Payments**	0	0
--- Income Tax	297000	113000			
--- Professional Tax	64200	43650			
--- Miscelleneous Receipts	0	0	**XII. Closing Balances**		
			a) Cash in hand	0	0
XIV. Any Other Receipts	0	0	**b) Bank Balances**		
			--- SBH NITW Current A/c	55982353	30733701
	139182461	**116947089**		**139182461**	**116947089**

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL

PROVIDENT FUND ACCOUNT

RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31-03-2017

(Amount in Rupees)

RECEIPTS	Current Year	Previous Year	PAYMENTS	Current Year	Previous Year
Opening Balances:			**GPF Advance / Withdrawn**	16834340	22250700
a) Cash in hand	0	0			
b) Bank Balances			**CPF Advance / Withdrawn**	0	0
--- SBH SB Account	26023748	28486608			
			NPS Tier - II	14500817	15504194
G P F Subscription	27447006	26098559			
			University Contribution Withdrawl	14500817	15230188
C P F Contribution	0	0			
			Term Deposits with Scheduled Banks	35000000	41059943
C P F University Contribution(NPS)	14886669	11627759			
			Bank Charges	0	0
NPS Tier II Account	14886669	11626701			
			Closing Balances		
Term Deposits with Scheduled Banks encashed	0	41059943	a) Cash in hand	0	0
			b) Bank Balances		
Interest Received			--- SBH SB Account	3942921	26023748
a) Interest on STDR's	288110	0			
b) Interest on SB Account	1246693	1169203			
	84778895	**120068773**		**84778895**	**120068773**

INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31/03/2017

(Amount in Rupees)

EXPENDITURE	Current Year	Previous Year	INCOME	Current Year	Previous Year
Interest credited to			Interest Earned on Investements inclu-	1246693	1169203
--- GPF Account	15969298	15567370	ding Savings Bank Account		
			Add: Interest accrued on 03/2016	14663519	14462468
--- 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	-59086	64301	Excess of Expenditure over Income	0	0
	15910212	**15631671**		**15910212**	**15631671**

BALANCE SHEET AS AT MARCH 31, 2017

(Amount in Rupees)

LIABILITIES	Current Year	Previous Year	ASSETS	Current Year	Previous Year
GPF:			**Investments**	140300000	105300000
Opening Balance	201492026	182076797			
Less: Subscription for March 2015	0	0	**Interest accrued as on March, 2017**	86737489	72362080
Add: Subscriptions in the year	27447006	26098559			
Add: Subscriptions for March 2016	0	0	**Subscription Due for March, 2017**		
Add Interest Credited	15969298	15567370	--- GPF	0	0
Less: Advance / withdrawl	-16834340	-22250700	--- CPF	0	0
Closing Balance	228073990	201492026	--- UC due to CPF	0	0
			--- NPS - II	0	0
CPF:					
Opening Balance	0	0	Tax recovered from interest on investme- nts pending refund from Income tax dept	0	0
Less: Subscription for March 2015	0	0			
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	3942921	26023748
Less: Advance / withdrawl	0	0			
Closing Balance	0	0			
University Contribution (NPS):					
Opening Balance	618475	4495968			
Less: Subscription for March 2015	0	0			
Add: Subscriptions in the year	14886669	11626701			
Add: Subscriptions for March 2016	0	0			
Add Interest Credited	0	0			
Less: Advance / withdrawl	-14500817	-15504194			
Closing Balance	1004327	618475			
NPS Tier- II Account					
Opening Balance	784894	4387323			
Less: Subscription for March 2015	0	0			
Add: Subscriptions in the year	14886669	11627759			
Add: Subscriptions for March 2016	0	0			
Add Interest Credited	0	0			
Less: Advance / withdrawl	-14500817	-15230188			
Closing Balance	1170746	784894			
Interest Reserve					
Opening Balance	790433	726132			
Add: Excess of Income over Exp	-59086	64301			
ClosingBalance	731347	790433			
	230980410	**203685828**		**230980410**	**203685828**

Separate Audit Report of the Comptroller and Auditor General of India on the Accounts of the National Institute of Technology, Warangal (NITW), for the year ended 31 March 2017

We have audited the attached Balance Sheet of the National Institute of Technology, Warangal, as at 31 March 2017, 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: ₹ 585.37 crore (Schedule-1)

A.1.1.1 This does not include an amount of ₹ 24,02,450/- 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 had resulted in understatement of Capital Fund and Fixed Assets by ₹ 0.24 crore each.

A.1.1.2 This does not include an amount of ₹ 13,37,961/- incurred during the year towards purchase of Library Books out of Earmarked Fund Accounts- 'Student Library Fund account and Library Over Due Charges', 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 had resulted in understatement of Corpus/Capital Fund and Fixed Assets by ₹ 0.13 crore each.

A.1.2 Designated/Earmarked/Endowment Funds: ₹ 73.83 crore (Schedule-2)

A.1.2.1 This includes closing balance amount of ₹ 4,05,28,756/- pertaining to revenue/overhead income earned on account of Industrial Consultancy Center, which was incorrectly credited to Designated/Earmarked Funds, instead of classifying as 'Income from Consultancy' under Other Income in the Income and Expenditure Account, though mandated as per MHRD format of Accounts {Page 31 & 32, Schedule-13, Sl.no. D(1)}. This had resulted in overstatement of Designated/Earmarked Funds and understatement of Income by ₹ 4.05 crore. Consequently, Surplus was also understated by ₹ 4.05 crore.

A.1.2.2 This includes closing balance of ₹ 1,86,93,385/-[1] pertaining to unspent amounts of sponsored State Governments, Others and TCS Scholarships, which were 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 had resulted in overstatement of Designated/Earmarked Funds and understatement of Current Liabilities by ₹ 1.87 crore.

A. 2. Application of Funds

A.2.1. Fixed Assets: ₹ 286.54 crore (Schedule-4)

A.2.1.1 This includes Gross Fixed Assets value of ₹ 286.54 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 had resulted in overstatement of Net Assets value (could not be quantified due to non-adoption of any depreciation rates).

[1] **(i) Other Scholarships: ₹ 1,80,93,378/- and (ii) TCS Scholarships: ₹ 6,00,007/-**

A.2.2 Loans, Advances & Deposits: ₹ 144.96 crore (Schedule-8)

A.2.2.1 This includes expenditure of ₹ 106,28,15,246/- incurred on Deposit Works[2], reported as under progress by CPWD as per CPWA Form 65 (March 2017), which was not classified under Capital Works-in-Progress, though mandated as per MHRD format of Accounts (Sl.no.12, Page 75). This had resulted in overstatement of Loans, Advances & Deposits and understatement of Capital Works-in-Progress by ₹ 106.28 crore.

B. Consolidated Income and Expenditure

B.1 Income: ₹ 149.31 crore

B.1.1 This does not include total receipts of ₹ 1,47,93,610/-[3] on account of Registration fee from Foreign Students and Post-Graduation fees, which were incorrectly accounted under Designated/Earmarked Funds, instead of as internal income. This had resulted in understatement of Income and overstatement of Designated/Earmarked/Endowment Funds by ₹ 1.48 crore. Surplus was also understated by ₹ 1.48 crore.

B.1.2 This does not include closing balance amount of ₹ 23,74,532/- pertaining to income earned on account of "College Resource Fund (Self Generation)", which was incorrectly retained under Designated/Earmarked Funds, despite repeated Audit comments. This had resulted in understatement of Income and overstatement of Designated/Earmarked Funds by ₹ 0.24 crore. Surplus was also understated by ₹ 0.24 crore.

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[2] **(i) Construction of Metallurgical and Material Engineering Department Buildings: ₹ 48,44,52,934/- (ii) Construction of Chemical Engineering Department Building: ₹ 48,05,77,661/-, (iii) Construction of Dr. B.R. Ambedkar Learning Center: ₹ 7,29,57,307/-, (iv) Construction of Annexe Building between Conference and Seminar Hall and Renovation of Existing Conference and Seminar Hall: ₹ 65,19,251/-, (v) Renovation of IT Theme Center : ₹ 34,17,622/-, (vi) Construction of New Teaching Learning Centre (Ground +2 Floors): ₹ 43,61,051/- and (viii) Renovation of First Floor on existing C-Block (Central Office) for ICT Academy: ₹ 1,05,29,420/-**

[3] **Registration Fee from Foreign Students: ₹ 7,66,700/- and (ii) Registration Fee from PG: ₹ 1,40,26,910/-**

B.2 Expenditure: ₹ 129.47 crore

B.2.1 This includes expenditure of ₹ 4,44,40,597/- incurred towards civil construction works, providing Electrical Fittings & Fixtures and Furniture & Fixtures completed during the year, which were incorrectly treated as revenue expenditure under Repairs & Maintenance, instead of capital expenditure. This had resulted in overstatement of Expenditure and understatement of Fixed Assets by ₹ 4.44 crore. Surplus was also understated by ₹ 4.44 crore.

C. General

1. Despite previous Audit comment, provision was not made for liability towards payment of Retirement Gratuity, Leave Encashment and Superannuation Pension, in accordance with Accounting Standard-15.

2. An amount of ₹ 55.77 lakh 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 suitably accounted during the year also, though assured *periodically* in the *'Notes on Accounts' of Annual Accounts.* Though pointed out in previous audits, this was also not reviewed in light of the present set up/legal status, consequent on establishment of the Institute under NIT Act, 2007.

3. 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 merely exhibited as payable to Government of Andhra Pradesh under Current liabilities. Though pointed out in previous audits, this 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. The accumulated liability towards payment of interest to Government of India on the balance loan amount of ₹ 48.52 lakh (Loan sanctioned prior to 1983-84), shown under Current Liabilities {Schedule-3, Page 3 and Schedule-3(c), Page 4 of Annual Accounts} and outstanding for more than 25 years was not provided for in the accounts, despite previous Audit comments. The details of the loan were also not suitably disclosed in the 'Notes on Accounts'.

5. Though pointed out in previous audits, Designated/Earmarked/Endowment Fund Account closing balance (Schedule-2, Page 39, Sl.no.71 of Annual Accounts), includes an amount of ₹ 2,36,83,848/- under 'Depreciation Fund', in respect of which, the purpose of utilisation of fund amount was not disclosed in the *'Notes on Accounts'*, in view of the Accounting Policy No.04, regarding non-provision of depreciation on Fixed Assets.

6. Against total deposit amount of ₹ 123,76,70,000/- with CPWD as per CPWA Form-65 (March 2017) an amount of ₹ 129,43,18,373/- was included in the Outstanding Advances/Deposits of ₹ 140,94,40,085/- (Schedule-8, Page 8 of Annual Accounts). The difference in deposit amount of ₹ 5,66,48,373/- was not reconciled with CPWD.

7. Deposits of ₹ 140,94,40,085/- with Other Department/Contractors including CPWD, shown under Loans, Advances & Deposits (Schedule-8, Page 8 and 28 of Annual Accounts) includes minus balance amounts of ₹ 1,40,439/-[4], which was not reconciled for carrying out rectification entries.

8. Though commented in previous audits, details relating to an amount of ₹ 119,99,96,302/- exhibited under Schedule-4 (Page 1 and 5 of Annual Accounts), as 'Capital Works-in-Progress' were not available and work-wise analysis of the closing balances, which were carried forwarded every year was also not conducted to review the status of completion of works. Besides, the difference of ₹ 13,71,81,056/- between expenditure of ₹ 106,28,15,246/- reported by CPWD to the end of 31st March 2017 (CPWA Form-65) in respect of Deposits Works under progress and the amount of ₹ 119,99,96,302/- exhibited under Schedule-4 (Page 1 and 5 of Annual Accounts), as 'Capital Works-in-Progress' was not reconciled with CPWD and Institute's Work Records.

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[4] **(i) Computer Science and Engineering Department: ₹ 46,452/-, (ii) Training and Placement: ₹ 15,398/- (iii) Metallurgical and Material Engineering: ₹ 19,939/-, (iv) Advance to In-charge-Telecom: ₹ 8,650/- and (v) Advance to Library: ₹ 50,000/-**

9. Details as to existence of factual liability/lapsed/unclaimed deposits, relating to an amount of ₹ 8,11,66,257/-[5] exhibited as 'Current Liabilities' (Page 21, Schedule-3) in the Annual Accounts, were neither available nor year-wise analysis was conducted, despite previous Audit comments. Further, amounts pertaining to (i) Deposit for Rent and other Service charges: ₹ 2,000/- (ii) ICCR&D Deposit: ₹ 11,000/- (iii) Security Deposit for Staff Quarters: ₹ 51,840/- and (iv) Hostel and Caution Money Deposit: ₹ 4,46,664/-, were merely carried forward every year, without discharging the liabilities.

10. Capital expenditure of ₹ 16,36,24,021/- 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 ₹ 60 crore received during the year was credited to Corpus/Capital Fund. This incorrect accounting was not reviewed and rectified accordingly, though pointed out in previous audits.

11. Pursuance with Banks for reconciliation of the following discrepancies (as on March 2017) were not made in respect of Bank Accounts of two fund accounts[6], which need to be reconciled with Bank:

i. Credits given in Cash Book but not realized in Bank of ₹ 26,50,037/-
ii. Credits given by Bank but not taken in Cash Book of ₹ 2,42,98,578/-
iii. Debits made by Bank but not made in Cash Book of ₹ 3,68,66,438/-

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[5] (i) Lab & Library Deposit: ₹ 3,48,79,150/- (ii) Earnest Money Deposit/Security Deposit: ₹ 4,24,72,747/- (iii) Other Deposits: ₹ 28,72,872/- (iv) Deposit for Rent and other Service charges: ₹ 2,000/- (v) NIT Co-operative Deposit: ₹ 4,29,984/- (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] (i) Director-Main Account (Bank A/c No.52109375198) and (ii) Director-Research Account (Bank A/c No.62266262236)

12. Bank Reconciliation Statements were not prepared for the following Fund Accounts and Savings Account Bank balances of ₹ 2,94,845/- as on 31st March 2017, were treated as Cash Book balances and depicted in the Annual Accounts (Page 59). Hence, the correctness of closing Cash Book balances of these Fund Accounts were not verifiable in audit:

a. Depreciation Fund (SB A/c No.62008192476)
b. Maintenance Fund (SB A/c No.62008192487)
c. Staff Development Fund (SB A/c No.62008192465)
d. Corpus Fund (SB A/c No.62266262269)

13. Lease rent receivable of ₹ 91,440/- due as on 31st March 2017, from certain Organisations on account of land leased to them, was not accounted as 'Receivables' under Loans, Advances & Deposits {Schedule-8, Sl.no.6(d)} and as 'Income from Investments' in the Income and Expenditure Account, though mandated as per MHRD format of Accounts (Page 89, Schedule-11, Sl.no.3).

14. 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 (₹ 2,57,20,659/-) and ST (₹ 93,95,370/-) Components were accounted in the Earmarked Fund Accounts ignoring the Plan Grants received in respect of SC (General Activities: ₹ 1.56 crore and Capital Assets: ₹ 7.44 crore) and ST (General Activities: ₹ 0.82 crore and Capital Assets: ₹ 3.98 crore). The entire Plan Grants (SC& ST) were instead, included in the total Plan Grants of ₹ 60 crore received during the year and credited to Corpus/Capital Fund. This accounting needs to be reviewed and rectified accordingly and receipt & utilisation of Plan Grants (SC, ST and General) should be depicted under Schedule-3(c), Page no. 25 of Annual Accounts, in consonance with the stipulations contained in the Revised Format of Accounts prescribed by Ministry of Human Resource Development (Page nos. 9 & 10).

15. The difference of ₹ 3,74,40,659/- and ₹ 3,71,10,174/- between additions (₹ 5,15,24,734/-) and utilisation (₹ 5,11,94,249/-) as per Annual Accounts, (Schedule-2, Page 35, Sl.no.14) and the respective departmental figures of receipts (₹ 1,40,84,075/-) of Scholarship amounts and its disbursement (₹ 1,40,84,075/-) during the year, was not reconciled.

16. Closing balance (31.3.2017) amounts of ₹ 73,01,76,433/- and ₹ 81,57,756/- in respect of Designated/Earmarked Funds and Endowment Funds respectively under Schedule-2 (Page 40 of Annual Accounts) 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. This was pointed out in previous audit.

17. Details of Current & Savings Bank Accounts in respect of closing Cash Book balances of ₹ 31,27,73,514/-, shown under Current Assets (Schedule-7, Page 7 of Annual accounts), 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).

18. Statutory Liabilities shown under Current Liabilities & Provisions (Schedule-3, Page 2 and 3 of Annual Accounts) include Provident Fund Subscription amount of ₹ 8,000/- and Service/Commercial Tax amount of ₹ 3,74,579/-, which were carried forward since prior to 2014-15, without discharging these liability amounts, which reflected irregularity in payment of Statutory Dues.

19. Against value of Term Deposits-STDRs of ₹ 50,06,07,143/- pertaining to Director-Warangal shown under Current Assets (Schedule-7, Page 27 of Annual Accounts), an amount of ₹ 50,86,28,286/- (including Accrued Interest) was shown in Page 112 of Annual Accounts. The difference of ₹ 80,21,143/- pertaining to Interest earned on Term Deposits during the year was not accounted for in the Annual Accounts.

20. Current Assets closing balance of ₹ 74,36,02,128/- (Schedule-7, Page 7 of Annual Accounts) pertaining to College Account includes 'LC Suspense' minus balance amount of ₹ 3,62,63,960/-, which needs to be reconciled for passing necessary rectification entries in the 2017-18 Accounts.

21. Minus closing balance amounts of ₹ 45,26,524/- in respect of three Fund Accounts under Designated/Earmarked Funds (Schedule-2, Page nos.34 36 and 39) reflects excess expenditure/overspent amounts, which should be reviewed for existence of proper authorization for such excess expenditure and also confirmation of reimbursement of such excess expenditure.

22. Prior period expenditure (March 2016) towards Salaries (₹ 2,67,15,717/-) and Electricity (₹ 56,56,566/-) paid during the year were incorrectly accounted for as current year expenditure (Schedule-15, Page 14 and Schedule-17, Page 15 respectively) instead of as prior period expenditure under Schedule-22 (Page 17 of Annual Accounts). This was not rectified.

D. Net effect of Audit Comments on accounts

The net impact of Audit comments given in preceding paragraphs is overstatement of Liabilities by ₹ 5.40 crore, understatement of Assets by ₹ 4.81 crore and Surplus by ₹ 10.21 crore.

E. Grants-in-Aid: Out of total Grants-in-aid of ₹ 162.60 crore[7] received during the year {Plan: ₹ 60 crore and Non-Plan: ₹ 102.60 crore (including Grants of ₹ 11.60 crore received in March 2017}, along with internal income of ₹ 46.19 crore, totalling ₹ 208.79 crore, the Institute utilised a sum of ₹ 157.33 crore[8], leaving a balance of ₹ 51.46 crore unutilised as on 31st March 2017.

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[7] **(i) Non-Plan (General & Salaries): ₹ 102,60,00,000/-, (ii) Plan- General Activities (General, SC & ST): ₹ 10,38,00,000/- (iii) Plan-Capital Assets (General, SC and ST): ₹ 49,62,00,000/-. Grand Total : ₹ 162,60,00,000/-**

[8] **(a) Plan- General Activities (General, SC and ST), : ₹ 11,49,43,536/- (b) Plan-(Capital expenditure: ₹ 16,36,24,021/-, Total (Plan): ₹ 27,85,67,557/- (iii) Non-Plan (General & Salaries): ₹ 129,47,50,055/-. Grant Total (Plan and Non-Plan): ₹ 157,33,17,612/-**

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 2017; and

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

(AJAIB SINGH)
Director General of Audit (Central)

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 2016-17. 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 was inadequate due to:

(i) Timely non-pursuance with Banks for reconciliation of the following discrepancies (as on March 2017) in respect of Bank Accounts of two fund accounts[1], which resulted in non-depiction of true and fair view of Closing Cash at Bank Balances:

a. Credits given in Cash Book but not realized in Bank of ₹ 26,50,037/-

b. Credits given by Bank but not taken in Cash Book of ₹ 2,42,98,578/-

c. Debits made by Bank but not made in Cash Book of ₹ 3,68,66,438/-

(ii) Non-existence of Internal Audit System

(iii) Misclassification of capital and revenue expenses

(iv) Incorrect classification of Income

(v) Incorrect accounting of expenditure on CPWD Deposit Works and

(vi) Non-provision of depreciation on Fixed Assets and

(vii) Not taking remedial/corrective action on the Audit comments (General Comment Nos.1,2,3,4,5,8,9,10,15,16 and 17), though repeatedly pointed out in previous Reports.

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 2016-17, despite previous Audit comments. Besides this, sample Physical verification of Library Books (Institute stated having more than 2,50,000 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 215(i) of General Financial Rules, 2017, 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 2016-17, 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 Liabilities shown under Current Liabilities & Provisions (Schedule-3, Page 2 and 3 of Annual Accounts) include Provident Fund Subscription amount of ₹ 8,000/- and Service/Commercial Tax amount of ₹ 3,74,579/-, which were carried forward since prior to 2014-15, without discharging these liability amounts, which reflected irregularity in payment of Statutory Dues

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निदेशक/ केंद्रीय व्यय लेखा परीक्षा
DIRECTOR/ CEA

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