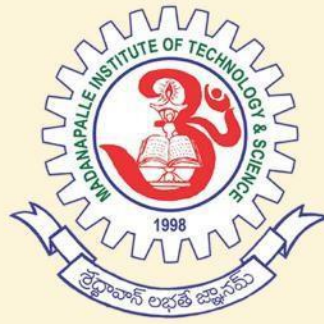


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# Madanapalle Institute of Technology & Science

UGC-AUTONOMOUS

Madanapalle – 517325, Andhra Pradesh, India.

## Annual Report 2014-2015



Follow us :



## FROM THE PRINCIPAL'S DESK



At Madanapalle Institute of Technology & Science(MITS), we ensure liberated, motivating, ingenious and innovative teaching environment to nurture the future captions of technology. The conducive learning environment where holistic development is facilitated to the full through Innovative teaching and training methods is our objectives. We strongly focus on the human quality of professions along with the academic excellence and Innovation, extra-curricular and co-curricular activities to augment knowledge and skills. A state-of-the-art and up-to-date infrastructure facilities and first-rate learning ambiance are the hallmarks of this Institutes. The year 2014-15 has been one of growth of academic activities, with recognition of the achievements of our faculty.

The Annual report 2014-15 presents a fairly comprehensive account of the various academic activities of the Institute. It also describes the activities of the faculty members and researchers at the Institute. During the year under report, several interesting developments have taken place at MITS.

Since its inception in 1998, MITS has pursued excellence with steadfast determination. The alumni of MITS are bringing laurels to the Institute for their caliber and contribution. The team of faculty (the highest number of the doctorates in the region with a wide range of academic and research experience from various institutes of excellence within the country and abroad) with the support of the latest laboratories, software, systems, 24x7 backup, 150 mbps WI-FI campus, e-journals has been teaching the most updated syllabus in lines with BITS, Pilani to the modern generation of students. Hiring of more faculty members from IITs, NITs, IIITs, and central universities is in progress.

The recent publication record of the faculty (128) with several practical constraints appears to be outstanding. It includes many national and international journals of repute. The research and development program of the Institute is supported by many funding agencies within the country. Several projects have been funded by many government and industrial research bodies. Significantly, 9 faculty members have been conferred PhD.

Teamwork is the hallmark of MITS. I am very sure through collaborative effort we can achieve more to benefit our students who are the future leaders of tomorrow. At this juncture of history, MITS is poised for great things. I am confident the next year will see larger output of quality research, more publications, effective communications, and more collaborative work.

With sincere and warm regards,

PRINCIPAL

# VISION MISSION AND QUALITY POLICY

## **Vision**

Become a globally recognized research and academic institution and thereby contribute to technological and socio-economic development of the nation.

## **Mission**

To foster a culture of excellence in research, innovation, entrepreneurship, rational thinking and civility by providing necessary resources for generation, dissemination and utilization of knowledge and in the process create an ambience for practice-based learning to the youth for success in their careers.

## **Quality Policy**

Madanapalle Institute of Technology & Science is committed to bring out and nurture the talents and skills of youth in the fields of Engineering and Management to cater to the challenging needs of society and industry by

1. Contributing to the academic standards and overall knowledge development of the students
2. Providing excellent infrastructure and conducive learning environment.
3. Enhancing the competence of faculty and promoting R&D Programs
4. Collaborating with institutions and industries.
5. Ensuring continual improvement of Quality Management System.

# ACADEMICS

## **COURSES OFFERED:**

### **Under Graduate Programmes (Eligibility: 10+2)**

- B.Tech - Civil Engineering
- B.Tech - Computer Science and Engineering
- B.Tech - Electronics and Communication Engineering
- B.Tech - Electrical and Electronics Engineering
- B.Tech - Mechanical Engineering

### **Post Graduate Programmes (Eligibility: 10+2+4)**

- M.Tech - Computer Science and Engineering
- M.Tech - Electrical Power Systems
- M.Tech - Digital Electronics and Communication Systems
- M.Tech - Machine Design
- M.Tech - Advanced Manufacturing Systems
- M.Tech - VLSI & Embedded Systems
- M.Tech - Solar Power Systems
- Master of Business Administration
- Master of Computer Applications
- Master of Computer Applications (2nd Year Direct)

### **DOCTORAL PROGRAMME**

- Ph.D in Electronics and Communication Engineering
- Ph.D in Computer Science and Engineering
- Ph.D in Electrical and Electronics Engineering
- Ph.D in Mechanical Engineering
- Ph.D in Management Sciences
- Ph.D in English
- Ph.D in Mathematics
- Ph.D in Physics
- Ph.D in Chemistry

### **INTEGRATED PROGRAMMES - 5 YEARS**

- Master of Business Administration (MBA)
- Master of Computer Applications (MCA)

## Activities at MITS

### Conferences/ Workshops / Symposia/ Seminars

Conferences, symposia, workshops and seminars on focus themes are vital academic activities that help stimulate discussions on different areas of importance. Many of these activities invite participation from other organizations and enhance the Institute's visibility to the outside world. The following **45 activities** were organized during 2014-15:

1. A two day workshop on "SYNERGY 2014 - National Workshop & Expo Solar Power Systems " was organized by department of EEE on 24 – 25 July 2014.
2. A two day workshop on "Industrial Robotics" was organized by department of ME on 21 – 22 August 2014.
3. Department of ECE organized a workshop on "Optical Communication" on 5 September 2015.
4. A two day workshop on "PHP with MySQL " was organized by department of MCA on 19 – 20 September 2014.
5. Department of ECE organized a workshop on "Electronics Systems Design-Challenges and Opportunities" on 1 November 2014.
6. A Two-Day **2<sup>nd</sup>National Conference on Innovations in Mechanical Engineering** was organized by Department of Mechanical Engineering from 18-19 December 2014. **Dr. M. Nageswara Rao**, Hon`ble Professor Emeritus in Manufacturing Division was the Chief Guest.



7. A **One- week Faculty Development Program on "Python"** was conducted by **Prof. JayanthKirtane**, Professor of Computer Science and Engineering, Keshav Memorial Institute of Technology, Hyderabad from 12-17 November 2014.

8. A **One-day Workshop on Entrepreneurship Development** was conducted by **Mr. V. Chaturvedi**, Vice-president, Business Development and Collaborations, Indo-American Cancer Hospital and former Registrar of NIMSME, Hyderabad on 7<sup>th</sup> November, 2014 for all the branches of final year B.Tech. Students.



9. A **Two-day workshop on Power System Studies Using ETAP** was conducted by **Mr. Rajkumar**, Senior Design Engineer, M/s. L&T Construction, Chennai, **Mr. R. Ranjith**, Senior Electrical Engineer, M/s. Siemens Energy Sector, Coimbatore, and **Mr. S. SelvaKumar**, Technical Expert (Power Systems), M/s. ABB Global Industries Ltd., from 31 October - 1 November 2014.



10. A **Two-day National Workshop on Cloud Computing** was organized by the Department of CSE on 17- 18 October 2014. The Chief Guests were **Prof. S. ViswanadhaRaju**, Professor and Head of CSE, JNT University Hyderabad, and **Prof. P. Venkata Krishna**, Professor in Division of the School of Computing Science & Engineering, VIT University, and Vellore.



11. A **One-week workshop on EXCEL** for MBA I Semester students was conducted by **Mr. Ravi Kumar** of EXCEL SAGE. ORG during November 8-13, 2014 to train the students on efficient use of Excel.



12. A Two-Day faculty development program on **Teaching Online Using Moodle (Modular Object-Oriented Dynamic Learning Environment) LMS** was conducted by **Prof. Srinivas** of ICT, New Delhi on 19 – 20 December 2014.



13. A **One-day event - CRESCEDO-2015** was organized by Departments of Computer Applications and Management Studies on 3 January 2015. The chief guest for this event was **Mr. H. A. Jaya Simha**, human resources trainer and motivational speaker from Bangalore.



14. **AP Skill Development Center** was inaugurated on 19 January 2015 by our Hon`ble Chief Minister **Sri N. Chandrababu Naidu**, which was launched at AP development Center in Vijayawada. **MITS** is one of the centers out of 17 such centers opened electronically throughout Andhra Pradesh.





15. A One - day National Level students '**Technical Symposium INNOWIZ-2K15**' was organized by the Department of Computer Applications on 18 March 2015. Dr. S. ViswanadhaRaju, Professor, JNTUH, Hyderabad was the Chief Guest.



16. The Department of Mechanical Engineering organized a National level students Technical Symposium **MECHONANCE'15** on 27<sup>th</sup> March 2015. The Chief Guest for the program was **Prof. B. Durga Prasad**, HoD-Department of Mechanical Engineering, JNTUACE, Anantapuram.



17. A **One-day National Level Technical Symposium ECLECTICA - 2015** was organized by Department of Electronics and Communication Engineering on 31 March 2015. The Chief Guest for this Symposium was Dr. T. Ramashri, Professor, ECE Department, College of Engineering, S. V. University.



18. A **Two-day 2<sup>nd</sup> International Conference on Innovative Management Strategies (ICIMS-2015)** sponsored by AICTE was organized by the Department of Management Studies on March 6-7, 2015 at Fortune Select Grand Ridge, Tirupati. The eminent speakers of the plenary session were **Prof. L. Venu Gopal Reddy**, Chairman, APSCH, Hyderabad; **Prof. P. Murali**, Ex-Vice Chancellor, S.V. University, Tirupati, **Prof. Edwin Zappe**, Spirit Sense, Austria, **Prof. Claire Komives**, San Jose State University, USA Lusitania, Lords Ville, JSS, Karasburg, Namibia and **Sri. N. Vijaya Bhaskar Choudary**, Secretary and Correspondent, MITS Madanapalle.



19. A **Two-day workshop on Entrepreneurship Development** was conducted by Dr. Samuel Johnson- VIT University, Chennai Campus, on March 16 - 17, 2015.



20. A **One-day workshop on Accreditation Essentials & Preparing for Accreditation (ABET)** was conducted by Dr. Claire Komives, Professor of Chemical Engineering - San Jose State University (SJSU) on 24 February 2015.



21. A **One-day workshop on Effective Research Methodologies** in association with IUCEE was conducted by **Dr. Gaurav Sharma**, Professor - Electrical and Computer Engineering Department, University of Rochester, New York on 11 March 2015.



22. A Two-day workshop on Train the Trainer was organized by the Department of English and Foreign Languages on 24 - 25 February 2015. **Mr. Siraj** and **Mr. Vijayanand** were the resource persons.



23. A **Two-day workshop on Research Methodologies and Latex** was conducted by **Dr. H. Saroja Devi**, Professor & Head, Department of CSE, NMAM Institute of Technology, Udupi, Karnataka on 21-22 February 2015.



24. A **Two-day workshop on Tally ERP Package 9.0** was conducted by **Mr. K. Srinivas**, Goodwill Computer Education Centre, on 8 - 9 February 2015.



25. ACEO Meet session on **Careers in Manufacturing Sector & Journey from College to Corporate** was organized by the Dept. of Mechanical Engineering on 30 January 2015. **Mr. Galla Vijay Naidu**, the resource person, introduced the Amara Raja Group, the Chairman's dream and realization.



26. Department of ME organized a **three day workshop on "Innovation in materials and processes and transfer technology to industries"** from 2 – 4 April 2015.
27. A two day workshop on **"Natural language Processing"** was organized by department of **MCA from 17 – 18 April 2015.**
28. **Department of BSH organized** a Faculty interaction on research opportunities on **"Quantum Dots"** from **28 May 2015.**
29. A **One-week Faculty Development Programme (FDP) on Cloud Infrastructure Services** was organized by the Department of CSE during May 11-16, 2015 under TEQIP-II. The Resource Person was **Mr. M. Karthik**, Software Engineer from ICTACT, Tamilnadu.



30. A **Three-day workshop on Personality Development and Motivation** was organized by the department of BSH from 29 April - 1 May 2015 under TEQIP-II. The resource persons were **Dr. K. Samuel Johnson**, VIT Chennai, **Dr. Jeremy Sunder Raj**, Consultant Trainer, Chennai, and **Ms. Mala Mary Martina**, CEO, Trainer, Bangalore.



31. A **Three-day workshop on Pico, Nano and Micro Satellites (PNMSats)** was organized by the Dept. of Physics from 23-25 June 2015.



32. A **Two-day workshop on Entrepreneurship & Promotion of SMEs: Opportunities and Challenges** was organized by Dept. of BSH on 27-28 May 2015 for MITS students & faculty. **Dr. Chukka Kondaiah** former Director General - National Institute of MSME, Govt. of India was the speaker.



33. A National Level Technical Symposium **GMOCS-2K15** was organized by the Department of CSE on 8 April 2015. **Prof. P. Chenna Reddy**, JNTUACE, Pulivendula was the resource person.





34. A Two-Day National Level Technical Symposium **TERA-2K15** was organized by the Department of EEE on 2-3 April 2015. **Dr. K. R. Prabhu**, Assoc. Professor, VIT University, Vellore was the Chief Guest for the programme.



35. Department of MCA organized a workshop on "Introduction to Computer and its basic Applications" for non teaching staff on 21 June 2014.
36. Department of BSH organized a workshop on "Excluding Plastic from our Daily Life" for non teaching staff on 19 July 2014.
37. A workshop on "Disciplinary Aspects in Laboratories" was organized by department of ECE for non teaching staff on 21 July 2014.
38. A workshop on "Managing Basic Official Communication" was organized by department of BSH for non teaching staff on 24 September 2014.
39. Department of CSE organized a two day workshop on "Computer skills for office administrations" for non teaching staff from 17 – 18 November 2014.
40. A workshop on "Awareness on Electrical Safety Precautions & Basic Equipment " was organized by department of EEE for non teaching staff on 20 November 2014.
41. Department of MCA organized a workshop on "Office Automation-MS WORD Basics" for non teaching staff on 24 January 2015.
42. Department of MBA organized a workshop on "Mutual Fund as an Investment option" for non teaching staff on 13 February 2015.
43. A workshop on "How to use fire extinguisher in Laboratories" was organized by department of ECE for non teaching staff on 13 February 2015.
44. A workshop on "Office Automation and Management" was organized by department of ME for non teaching staff on 21 February 2015.
45. Department of BSH organized a workshop on "Reduce Carbon Footprint" for non teaching staff on 21 March 2015.

## Distinguished Visitors

During the year 2014-15, a number of distinguished personalities visited MITS and addressed our students and faculty. Notable among them were:

1. Sri. N. Chandrababu Naidu, **Hon`ble Chief Minister of Andhra Pradesh** and the architect of **Swarn Andhra Pradesh**.
2. Dr. Claire Komives, Professor of Chemical Engg. - **San Jose State University** (SJSU).
3. Dr. Gaurav Sharma, **Professor** - Electrical and Computer Engineering Department, **University of Rochester, New York**.
4. Dr. Chukka Kondaiah former **Director General - National Institute of MSME**, Govt. of India.
5. Dr. P. Chenna Reddy, **Professor JNTUACE**, Pulivendula.
6. Dr. S. Viswanadha Raju, **Professor, JNTUH**, Hyderabad.

## Event of Significant Importance

Secretary & Correspondent, Sri N. Vijaya Bhaskar Choudary, an Alumni of Besant Theosophical College has been invited as a chief guest for UGC sponsored Two Day National Seminar on "The Role of Nano Technology in the Fields of Physics and Bio – Sciences" on 29 October 2014 organised by the, BT College Madanapalle.



## FACILITIES

### Library

The library is an integral part of our Academic Center of Excellence (COE) for teaching and learning. It has continued to build and expand its collection both in print and digital form, and design and deliver innovative services in support of teaching, learning, research and other scholarly activities taking place on the campus.

Electronic information resource as an important component of the library is growing year after year. The computer has swept the library in all its operations-storage and dissemination of information. All operations are automated using Soul Software 2.0 version from UGC-INFLIBNET, Ahmedabad. The library has been actively promoting reference and information services to its user community.



Apart from textbooks and recommended reading material prescribed for each course offered at the institute, the library houses a growing collection of research monographs, reports, multi-volume reference works, dictionaries, encyclopedias, handbooks, and so on. The library collection consists of research monographs, text books, reference books, conference proceedings, CDs, VCDs and DVDs covering the areas of academic and research interest of the Institute. The library has initiated a number of important activities and services. 2,531 new books were added during the year 2014-15. Nearly one hundred national and two international journals as well as 43 magazines have been subscribed.

## Medical Centre

Dr. R. Chennaiah, a qualified medical practitioner, is available at the Institute from 9 am to 6:30 pm on week days to provide medical care and advice to students, staff and faculty. A trained nurse is available on a full-time basis to provide first aid and for routine medical services such as checking temperature, blood pressure, blood sugar, oxygen levels and dressing wounds. A 24-hour vehicle facility for patients is available in case of emergency. The Institute has a modest in-house pharmacy that has all kind of commonly used medicines and a blood collection centre.

## FACULTY ACTIVITIES

MITS provides seed money to faculty members who have zeal in research work to initiate their research as pilot study, publish research papers, and obtain patents etc. This experience is being motivated to submit research project proposals to different funding agencies. Sixteen projects proposed by MITS faculty have been sanctioned by different funding agencies.

### Sponsored Projects

1. Dr. P. P. George, Assistant Professor of chemistry got a UGC Major project entitled, "Synthesis of meso structured materials by using novel sugar based surfactants" sanctioned for **Rs. 5,58,000/-** for the duration of 3 years.
2. Mr. B.Sudhir, Asso. Professor - Dept. of Computer Application got a UGC minor project titled "Decision support system for identifying land type in Chittoor and Kadapa Districts" worth **Rs.80,000/-** for the period of 3 years (2014-16).
3. Mr. K. Vasu, Assistant Professor- Dept. of EEE got a UGC minor project worth of **Rs.4,20,000/-** titled "Investigation of certain control strategies on 'Brush - Less DC Motor' with artificial intelligence applications".
4. Ms. J. Sivanvitha, Assistant Professor in Dept. of EEE got a UGC minor project worth of **Rs.4,00,000/-** titled "Disaggregation of utilities energy consumption & GSM Based communication in Smart meters".
5. Mr. M. GunaSekhar Reddy, Assistant Professor in Dept. of Mechanical Engineering got a UGC minor project worth of **Rs.3,30,000/-** titled "Design and development of hybrid vehicle for physically challenged persons".
6. Mr. BathinaSrinivasulu, Assistant Professor in Dept. of Mechanical Engineering, got a UGC minor project worth of **Rs.3,85,000/-** titled "Analysis and optimization of tube hydroforming process parameters for corrosion Resistance material".

7. Mr. M. JagadeeshBabu, Associate Professor in Dept. of ECE received a UGC minor project worth of **Rs.4,50,000/-** titled "Monitoring of water level variations in Rivers, Dams, Reservoirs and Flood alert system using wireless sensor networks" for the period of 2 years (2014-15).
8. Mr. V. Satish Kumar, Assistant Professor in Dept. of ECE got a UGC minor project worth of **Rs.3,70,000/-** titled "Development of advanced image processing methods for assessing and monitoring the content of Tree outside Forests using IRS high resolution satellite images" for the period of 2 years (2014-15).
9. Dr. J. L. MazherIqbal, Professor in Dept. of ECE got a UGC minor project worth of **Rs.3,70,000/-** titled "3D-Intelligent Information System for Identifying Servicing Action" for the period of 3 years (2014-16).
10. Mrs. M.R. Indumathi, Assistant Professor in Dept. of English, MITS got a UGC minor project worth of **Rs.3,00,000/-** titled "Effective usage of technology in imparting career skills for academically backward students of Engineering".
11. Mr. M. Srujan Kumar Reddy, Assistant Professor in Dept. of CSE got a UGC minor project worth of **Rs.52,000/-** titled "Development of a cloud to monitor and track the vehicles at check posts".
12. Mr. S. Ismail, Assistant Professor in Dept. of MBA got a UGC minor project worth of **Rs.1,20,000/-** titled "A study on career planning absurd among students and its impact on employability".
13. Dr. M. Raja Reddy, Professor in Dept. of Physics got a UGC minor project worth of **Rs.2,40,000/-** titled "Development of organic solar cell architectures for >15% power conversion efficiency".
14. Two Major Research Projects were selected in the preliminary round and are notified for interface meeting with UGC in the month of January by Dr. N. Nanda Kumar Reddy, and Dr. S. Victor Vedanayakam, ..
15. Dr. V.K.Verma, Assistant Professor of Physics department shortlisted for UGC Research Award and attended the meeting in University Grants Commission, New Delhi office and recommended for the same
16. Dr. G. HarinathGowd, Head, Dept. of Mechanical Engineering, MITS received **Rs. 34.39 Lakh** from DST for his Research project

### **Ph.D.s Awarded**

1. Mrs. M.Sreedevi, Associate Professor, CSE Department was awarded with Ph. D from Department of Computer Science & Engineering, SV University Tirupathi, in November 2014.

2. Mr. Prashantham, Assistant Professor- Department of English and Foreign Languages, was awarded with Ph. D. from Andhra University, Visakhapatnam, November 2014
3. Mr. Mahesh, Associate Professor ECE Department was awarded Ph. D. from Department of ECE, JNTU-ANANTAPUR, November 2014.
4. Mr. R. Vara Prasad, Assistant Professor, Dept. of Management Studies was awarded Ph.D. by Sri Krishna Devaraya University in November 2014.
5. Mr. C. Kamal Basha, Associate Professor -Department of Electrical and Electronics Engineering, has been awarded with PhD. degree from Jawaharlal Nehru Technological University - Anantapur.
6. Mr. V. Hanuman Kumar, Associate Professor, Department of Computer Science & Engineering is awarded Ph.D degree by ANDHRA UNIVERSITY, Visakhapatnam on 13<sup>th</sup> March 2015.
7. Mr. Santoshi Ganala, Assistant Professor working with the Department of Computer Applications in our college has been awarded with PhD. degree by the National Institute of Technology Surathkal, Mangalore.
8. Mr. K. Srinivas, Assistant Professor working with the Department of Management Studies in our college has been awarded with PhD. R.T.M. Nagpur University, Nagpur, Maharashtra.
9. Mr. Srinivas Karri, the Department of Management Studies was awarded Ph.D. by Rashtrasant Tukadoji Maharaj – Nagpur University

**Workshops / FDPs Attended by Faculty:**

1. Mr. M. Kirankumar and Mr. G.J. Kumar from the department of CSE attended a workshop on "Advanced Programming Concepts and Web Application Development Under Linux at DhyanaHita Campus, Shabad" from 2 – 14 April 2014
2. Mr. M.Veeresh Babu, Mr. Wilson Thomas and Mr. Shabbeer Basha from the department of CSE attended a Workshop on "WebApps in Zorin Environment at MITS, Madanapalle" from 16 – 21 June 2014
3. Dr. D. Pradeep Kumar from the department of MBA attended a Workshop on "MHRD'S National mission for teachers and administrators (MCEP) at IIM, Indore" from 16 – 22 June 2014
4. Dr. S. Shanmuga Priya from the department of BSH attended a Workshop on "Human Values and Professional Ethics organized by Aurora's Engineering College, Hyderabad" from 5 – 9 July 2014
5. Mr. V. Sai Kumar and Mr P. Mohammad Akram from the department of ECE attended a one week training program on "Systems And Network Administration at DhyanaHita Campus, Shabad, Hyderabad" from 17 – 22 July 2014

6. Mr B. Sreenivasa Raju from the department of EEE attended a one week training program on "Systems And Network Administration at DhyanaHita Campus, Shabad, Hyderabad" from 17 – 23 July 2014
7. Mr. D. Kasi Viswanath from the department of CSE attended a one week training program on "Systems And Network Administration at DhyanaHita Campus, Shabad, Hyderabad" from 17 – 23 July 2014
8. Mr. J. Chandrasekhar from the department of CSE attended a Workshop on "Mentoring Skills and Thinking Skills for Engineering Faculty, JNTU, Hyderabad" from 18 – 24 July 2014
9. Dr M. Sudhakar Reddy from the department of BSH attended a Workshop on "Management Capacity Enhancement Programme at IIM Indore, Madhya Pradesh" from 27 October – 2 November 2014
10. Dr. N. Naveen Kumar, Dr. K. Saritha, Mr Prem Kumar Singh, Ms N.K.Nithya, Mr P.N. Vijayakumar, Ms B. Regina, Ms Ganala Santoshi and Mr K. Chandrashekar attended a Workshop on "Moodle Learning Management System at MITS Madanapalle" from 28 November – 2 December 2014
11. Mr. C. Kamal Basha, attended a one -day faculty development program on "Effective teaching continuing education program" organized by Center for Education Technology (CET), IIT Kharagpur on 13 October 2014.
12. Mr. M. Lokesh& Mr. A. Srinivasulu, Assistant Professor of EEE of MITS, Madanapalle, attended a two-day National Workshop on "Hybrid Power Generation Systems" organized by Central Power Research Institute (CPRI), Bangalore from 16- 17 October 2014.
13. Mr. S. Akbar Basha, attended a three day workshop on "Three day National Workshop in MEMS & NEMS " organized by Jain University , Bangalore from 16 - 18October 2014.
14. Ms.J.Sivanvitha, attended atwo-day Faculty Development program at Vennar Ceramics Ltd, organized by "Confederation of Indian Industry" at Bhimavaram from 17 to18 October 2014.
15. Mr. S. Kareemulla, attended a two day Workshop on "Industrial visit on VennarCeramics " organized by CII, Hyderabad and VishnuGroups of Colleges from 18 - 19 October 2014.
16. Dr. B. Rama Kumarattended a seven day Workshop on "Management Capacity Enhancement Programme" was organized by Indian Institute of Management, Indore, Madhya Pradesh at its Management Development Centre from 27 October - 2 November 2014, under TEQIP-II.
17. Mr. B. SreenivasaRaju& Mr. G. Ravi Prakashattended 13th Energy Efficiency Summit 2014 was organized by Confederation of Indian Industry (CII) at HICC, Novotel,

- Hyderabad from 29 October to 1 November 2014.
18. Mr. K.V. SateeshBabu, Assistant Professor of EEE, attended a workshop on "Reliability Applications in Power Distribution System" at Central Power Research Institute (CPRI), Bangalore on 21 November 2014.
  19. Mr. P.VenkataRamana, & Mr. CH. Sreenivasa Rao attended a two-day workshop on "Advance in Thermal Engineering" organized by CBIT, Hyderabad from 28th to 29th November 2014.
  20. Mr. M. Gunasekhar Reddy attended a one day Workshop on "Solid Works Innovation Day" organized by Solid Works & Logical Solutions, Hyderabad on 11 November 2014.
  21. V. Satish Kumar participated in "Research and Teaching Methodologies in Electrical Engineering" Organized by IIT Hyderabad" on 11 December 2014.
  22. Mr. G. Gurumahesh, Mr. Manu Ravuri, Mr. V. Ajay, Mr. S. Kareemulla, Mr. P. Venkataramana, Mr. S. Akbar Basha & Mr. Bezawada Sreenivasulu attended a five - day workshop on Pedagogy training programme from 22 - 26 December 2014.
  23. Mr. M. Gunasekhar Reddy participated in a one day Workshop on "3D Experience" organized by Desalt Systems, Bangalore on 10 December 2014.



24. Mr. Manu Ravuri participated in a five-day workshop on "Additive manufacturing" organized by IITH, Hyderabad from 1- 5 December 2014.
25. Mr. Bezawada Srenivasulu, Mr. M. Vamsi Krishna participated in a one day seminar on "Sustainable Solid Work Management" organized by CII, Hyderabad on 2 December 2014.
26. Mr. S.M. Farooq and Mr. A Subramaneswara participated in a two-day training programme on "**BOSS MOOL**" (Bharat Operating System Solutions- Minimalistic Object Oriented Linux) organized by Department of Computer Science and Engineering JNTUA, Anantapuram from 16 -17 October 2014.
27. Mr. S. Md. Ghouse & Mr. M. Kiran Kumar participated in the QIP short term course on "Teaching Data Structures and Algorithms" organized by Indian Institute of Technology Guwahati from December 1 -5, 2014.
28. Mr. Amarnath Yerramala attended an International Conference on "Sustainable Civil Infrastructure" (ICSCI - 2014), ASCE India Section, 2014, Hitex, Hyderabad, Telangana, India, from 17-18 October 2014.
29. Mr. A. Althaf Ali attended a two day Faculty development program in Sree Vidyanikethan, Tirupathi, on "Recent trends in data mining through informatica", on 11 December 2014.
30. First year faculty attended a workshop entitled, "Outcome based Learning" organized by BITS-Pilani, Hyderabad campus at Hyderabad from November 14- 16, 2014.
31. Dr. Murali Krishna from the department of CSE attended a Workshop on "IBM DB2 Academic Associate at JNTU, Ananthapuramu" from 19 - 25 December 2014
32. Dr. K. Sakthisudhan, Dr. Mahesh, Ms. C. K. Hemantha Lakshmi, Mrs. G. Nagaswetha, Mr. G. Sambasiva Rao, Mrs. G. R. Hemantha, Mr. S. Javeed Hussain, Mr. J. T. Pramod, Mr. P. R. Rathna Raju, Mr. D. Bala Krishna Reddy, Mr. L. Ashok, Mr. P. Sravan Kumar, Mr. B. Vamsi Krishna, Mr. U. Sreenivasulu, Mr. M. Venkata Srinu, Mr. V. Satish Kumar, Mr. R. Ravindraiah, Mr. D. Girish Kumar, Mr. S. Arun and Mr. M. Sreenath Reddy from the department of ECE attended a Workshop on "Instructional design and delivery at MITS, Madanapalle" from 22 - 26 December 2014.
33. Mr. G. Hemanth Kumar Yadav, Mr. Y.C.A. Padmanabha Reddy and Mr. M. Prabhakar from the department of CSE attended a Workshop on "Instructional design and delivery at MITS, Madanapalle" from 22 - 26 December 2014

34. Mr. Y. Amarnath from the department of CE attended a Workshop on "Orientation Program at MITS, Madanapalle" from 27 January – 10 February 2015
35. Dr. V. Hanuman Kumar from the department of CSE attended a Workshop on "Outcome Based Learning at BITS Pilani, Hyderabad" from 6 - 12 February 2015
36. Ms. A.Komala from the department of CSE attended a Workshop on "Programming in 'C' and Data Structures at JNTU, Ananthapuram" from 25 – 31 March 2015
37. Ms C.R. Navya Teja from the department of CSE attended a Workshop on "Teacher Effectiveness: Nurturing Well-Being at IIT, Hyderabad" from 1 – 6 May 2015
38. Mrs. P. Rajarajeswari from the department of CSE attended a Workshop on "Intellectual Property Rights and Patterns at JNTU, Kakinada" from 16 – 30 May 2015
39. Dr G. Harinath Gowd from the department of ME attended a Workshop on "MHRD's National Mission for Teachers and Administrators - Management Capacity Enhancement Program at Indian Institute of Management, Indore" from 12 – 18 January 2015
40. Mr. J. Saravana Babu from the department of BSH attended a Workshop on "MHRD's National Mission for Teachers and Administrators - Management Capacity Enhancement Program at Indian Institute of Management, Indore" from 8 – 14 June 2015

## **PUBLICATIONS**

Faculty members have contributed to creating new knowledge by publishing about 150 research papers members in reputed National and International journals. The publication record in 2014-15 comprises 107 research publications and 20 papers in various National and International Conferences.

### **Papers Published in Refereed Journals**

1. S. Thriveni, G. Ranjith K., and G. Harinathgowd 'Design evaluation and optimization of a two wheeler suspension system' ***International journal of emerging technology and advanced engineering***, Vol. 4, Issue 8. DOI 10.1007/s00170-015-7639-4

2. G. Guru Sai Prasad, G. Guru Mahesh, G. HarinathGoud,and R. Manu, 'Estimation of compression strength on hybrid composite corrugated sandwich coupons'. *International journal of Engineering Research and Technology*, Vol. 3 /Issue 8, 2014.
3. G. Ranjithkumar, S. Thriveni, M. RajasekharReddy,andG.HarinathGowd, 'Design analysis & optimization of an automotive disc brake' *International journal of advanced engineering research and science*, Vol. 1, Issue 3, 2014 .
4. Raju D. andG.HarinathGowd, 'Design and simulation of cooling fan armature coil by using abs and nylon 6/6- Gf 33% of material' *International Journal of Scientific Engineering and Technology Research*,Vol. 3, Issue 21, 2014
5. Haribabu Kumara and G.HarinathGowd, 'Design and fabrication of plastic injection molding tool for pump gaskets' *International Journal of Advanced Engineering Research and Science*, Vol.1, Issue 3, 2014
6. K Ramesh Babu1\*, G Guru Mahesh1 and G HarinathGowd , 'Modeling and thermal analysis of siengine piston using fem',*International Journal of Mechanical & Robotic Research*, Vol. 3, No. 1, ISSN 2278 – 0149
7. P. Meghashyam , C. Yuvaraj ,and R. Manu, 'Design and fabrication of paddy dehusker' *International Journal of Application or Innovation in Engineering & Management*, Volume3, issue 10, Oct-2014.
8. D. Lavanya, G. Guru Mahesh, V. Ajay, and C. Yuvaraj, 'Design and analysis of a single seater race car chassis and frame' *International journal of research in aeronautical and mechanical engineering*. Vol. 2, Issue 8, August-2014.
9. C.VenkatasivaMurali,P.SuryanarayanaRaju, 'A Review on vibrational Analysis of a functionally Graded Beams' *International Journal of Engineering Research & Technology*, Vol.3, Issue 10, Oct-2014
10. Young Chulkim, Yukio Tamura, H. tanaka, K. Ohtake, E.K. Bandi, A. Yoshida, Wind induced response of super tall building with various a typical building shapes' *Journal of Wind Engineering and Industrial Aero dynamics*, 2014.
11. Anirudh R. Lyer, R. VenkataChalam, and A. Balaraju, 'Effects of location of centre of mass of a semi independently suspended automobile on natural frequencies' *Applied Mechanics and Materials*, Vol: 592-594(2014)
12. Ch. Sreenivasa Rao, AVSSKS Gupta, and K. Rama Narasimha, 'Parametric investigation on the flow characteristics of a closed loop pulsating heat pipe - a numerical study' *International journal of Mechanical Engineering and Technology*, Sept-2014 ISSN : 0976-6359.

13. KG. Thirugnanasambantham, S.Natarajan, 'Degradation mechanism for high temperature erosion in surface modified IN718 Superalloy' *ASME- Journal of Materials Engineering and Performance*, May-2015
14. R.Sankaran, D.Rajamai, Mr. KG. Thirugnanasambantham, and S.Natarajan, 'Sliding wear behaviour and its mechanisms of carbonitrided ALSI 8620 steel at 100oc under unlubricated conditions' *Institute of Materials Minerals and Mining*, 2015.
15. N. Theja, B. Sreenivasulu, and N. Sathishkumar, 'Failure analysis of Butress, acmeandmodified square threded mild steel tie rods in assembly using FEA' *Elixir-Mechanical Engineering*, June-2015.
16. M. L. Pavan Kishore, R. K. Behera andBezawadaSreenivasulu, 'Structural Analysis of NAB Propeller Replaced with composite material' *International Journal of Modern Engineering Research*, Vol. 3, Issue 1, PP:401-405, Jan-Feb 2015.
17. Adikesavulu.R, SreenivasuluBathinaand Sreenivasulu'Optimization of Process Parametersof EN31 Steel Using Taguchi' *International Journal of Innovations in Engineering Research and Technology*, Vol-1, Issue-, Nov-14
18. M.Sreelekha,S. Praveen kumar,and Sreenivasulu'Design and Analysis of a Cement Mortar Lining Machine Shafthub and Corresponding bolts' *International Journal of Scientific Research*, Vol-3, issue-10, Oct-2014.
19. K. Irshad, M. Vamsikrishna,Sreenivasulu, 'Structural and modal analysis of a marine engine helical gear'*International Journal of Scientific Research*, Vol-3, Issue-10, Oct-2014.
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22. G BalaNarasimhaMVamsi Krishna and Anthony, X. 'A comparative study on analytical and experimental buckling stability of metal matrix composite columns with fixed and hinged ends' *International Journal of Applied Engineering Research*, Vol.9, Issue 2. Nov - 2014.
23. D. Lavanya, G. Guru Mahesh, V.Vijay, andC.Yuvaraj, 'Design and analysis of a single seater race car chassis and frame' *International Journal of Current Engineering and Technology*, Aprl.-2015

24. G. Guru Sai Prasad, G. Harinath Gowd , G. Guru Mahesh and R. Manu, 'Estimation of compression strength on hybrid composite corrugated sandwich coupons' *International Journal of Engineering Research and Technology*, Vol.3, Issue 8, Aug-2014.
25. K. Nagarju and H. Raghavendra, 'Modeling And Experimental Investigation of the Sound And Emission Performance for 4-Stroke Multi-Cylinder Diesel Engine With an Aqua Silencer', *International Journal for Research in Applied Science and Engineering Technology*, Vol.3, Issue 5, May-2015.
26. H. Raghavendra and G. Maruthi P.Y. 'Fabrication and Experimental Analysis of E-Glass Epoxy Laminates' *International Journal of Mechanical and Industrial Technology*, Vol.3 Issue 1, April-2015.
27. G. Maruthi Prasad Yadav , M. Lokanath and H . Raghavendra, An Experimental Analysis on the Effect of Filler Material on PVC pipes, *International Journal of Mechanical and Industrial Technology*, Apr-15.
28. Yadavalli Basavaraj and H. Raghavendra, 'Experimental and numerical study of influence of volume fraction of tensile and flexural strength of E-Glass Epoxy Cross ply laminates' *International journal of mechanical and industrial technology*, Sep.- 2014.
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30. Amarnath Yerramala, Ramachandrudu & C. Bhaskar Desai V, "Impact Strength of Metakaolin Ferrocement Materials and Structures", DOI 10.1617/s11527-014-0469-2, ISSN 1359-5997, Nov 2014.
31. "Properties of concrete with eggshell powder as cement replacement" *The Indian Concrete Journal*, Pp. 94-102, 2014. ISSN: 0019-4565 Oct 2014.
32. M. Sreedevi, 'Smart suggest search engine with Location Sensing Recommendation', *IJAER* Vol. 10, Number 19 (2015) pp. 402-05, 40208 (SCOPUS)
33. M. Sreedevi, 'Automatic extraction of Learning Objects from e-learning systems', *ACSTISSN 0973-6107* Vol. 8, Number 1 pp. 67-73, 2015.
34. Wilson Thomas "A Novel Approach to build smart phone based wireless sensor networks for social wellbeing", *IJAER* Vol. 10, Number 82 PP. 109-115, 2015, Print ISSN 0973-4562 Online ISSN 1087 -1090.
35. E. Madhusudhana Reddy and M. Ravi Kumar, 'Auditing Framework Service for Efficient Secure Data Storage in Multi-cloud' , *International Journal of Computer*

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36. E. Madhusudhana Reddy and K. H. ShabberBasha, 'Protecting Frequent Patterns using Distributed Security on M-Clouds, *International Journal of Computer Science and Information Technologies (IJCSIT)* (ISSN:0975-9646),Vol. 6, Issue1, PP 570 - 76, 2015.
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38. B. Krishna Sagar "DACD: Delegated Access Control of Data in Cloud computing environment." *International Journal of Computer Science and Information Technologies*, Vol. 5 (5), 6716-6718, 2014, ISSN: 0975-9646,
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43. D.Girish Kumar, "An Embedded Based On Inteligence Auditorium System", *Jetir*, Issn-2349-5162,Vol 1 Issue -7, December -2014.
44. J.L.Mazher Iqbal, "Arm Based Intelligent System For Surveillance Of Computer Applications,*IJCA*, Vol 107,Pp.-12-16, December-2014.
45. S.JaveedHussain, "A Dynamic Algorithms To Isolate Non Cerebral Tissues Of Brain Images" , *IJETCAS*, Pp. 248-50, November-2014.
46. G.R.Hemantha&K.Chandana "Navigation For The Blind Using Gps Along With Portable Camera Based Real Time Monitoring ", *SSRG International Journal Of Electronics And Communication Engineering* , October -2014.
47. C.K. HemanthaLakshmi&A.Sindura "L2C GPS SIGNAL SIMULAR" *International journal of Engineering Research and Technology* , Nov.-2014.
48. Ms. G.NagaSwetha&Mr.YarragollaSudhakar"Design and Implementation of Intelligent Energy Monitoring System for Industrial Machines", *International Journal of*

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51. Pardhasaradhi M and Venkata Raman B., 'Medicinal uses and biological activities of *Sophora interrupta* bed - A review.' *International journal of Pharmacy*, 5(1): 265-273, 2015. ISSN: 2249-1848, SCOPUS-Elsevier {Copernicus indexed}.
52. Shechinah Felice Choragudi, B. Venkata Raman and Bondili J. S. 'In silico Analysis of Structural Impact of N171A in Endo-B-N acetylglucosaminidases' *International Journal of Pharma and Bio Sciences (Int J Pharm Bio Sci)*, 6(1): (B) pp. 1324 - 1332, 2015.
53. Shechinah Felice Choragudi, Ganesh Kumar Veeramachineni, B. Venkata Raman & Bondili JS. 'Molecular modeling and analysis of human and plant endo- $\beta$ -N-acetyl-glucosaminidases for mutations effects on function' *Bioinformatics*, 10(8), 507 - 511, 2015. pISSN 0973-2063,
54. M. Venkata Ramana and B. Venkata Raman, 'Brain tumor recognition/ classification by using Feed forward back propagation neural network' *International journal & Magazine of Engineering Technology, Management and Research*, (11), 339 - 344, 2014
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58. Venkata Raman B, Naga Vamsi Krishna A, Chandra Prakash V, Uma Ramani G, PardhaSaradhi M, Samuel LA and Varadacharyulu N Ch., 'Ameliorative effects of alcohol on human diabetic volunteers – A prospective study' *British Journal of Pharmaceutical Research* 4 (9): 1067 – 1078. 2014
59. BalajiMohan, C Yoon, S Jang, KH Park, 'Mechanochemical synthesis of active magnetite nanoparticles supported on charcoal for facile synthesis of alkynylselenides by C-H activation' *ChemCatChem*, 7, 405-412, 2015.
60. Soyoung An, DhamodaranArunbabu, Seung Man Noh, Young-Kyu Song, and Jung Kwon Oh, 'Recent Strategies to Develop Self-Healable Crosslinked Polymer Networks' *Chemical Communications* Vol. 51, 13058-13070, 2015.
61. SeeniMeera. K, KathirvelGanesan, Barbara Milow, and Lorenz Ratke, 'The effect of zinc oxide (ZnO) addition on the physical and morphological properties of cellulose aerogel beadsRSC Advances'
62. Mr. SreenivasuluBezawada, "Structural and modal analysis of a marine engine helical gear" , *International Journal of Scientific Research*, October 2014.
63. ----- "Evaluation of mechanical properties of polyamide –egg shell powder composite materials" *International Journal of Science &Technology*, October 2014.
64. ----- "Failure analysis of buttress, acme and modified square threaded mild steel (is2062) tie rods", *International Journal of Innovations in Engineering Research and Technology (IJIERT)* December 2014.
65. ----- "Optimization of process parameters in drilling of en 31 steel using Taguchi method", *International Journal of Innovations in Engineering Research and Technology (IJIERT)* Nov.- 2014.
66. Mr. S. Akbar Basha, "Parametric Optimization of surface Roughness and MRR on HPMMC using Taguchi Method in CNC process", *International Journal of Scientific & Engineering Research (IJSER)* Volume 2, Issue 12, and December 2014.
67. D.Girish Kumar, "2-Dimentional Object Extraction By Using Color Feature And Knn Classification" ,*International journal of Engineering Research and Technology*, ISSN-2278:0181,Vol. 3 ISSUE-10, Oct-2014.



68. Amarnath Yerramala, Ramachandrudu & C. Bhaskar Desai V. "Impact on strength of metakaolin ferrocement Materials and Structures", DOI 10.1617/s11527-014-0469-2, ISSN 1359-5997, Nov 2014.
69. ----- "Properties of concrete with eggshell powder as cement replacement". *The Indian Concrete Journal*, P.No. 94-102. ISSN: 0019-4565 Oct 2014.
70. Mr. K. Srinivas, "Strategies for Business Excellence: Challenges and Opportunities" (ICSBE 2014) Malla Reddy College of Engineering, Hyderabad from 26th to 27th December 2014.
71. Dr. M. Chandra Sekhar, "Influence of post deposition annealing on structural and electrical properties of magnetron sputtered Al/(Ta<sub>2</sub>O<sub>5</sub>)<sub>0.85</sub>(TiO<sub>2</sub>)<sub>0.15</sub>/p-Si structure.
72. Dr. V. K. Verma, "Observation of magnetically hard grain boundaries in double - Perovskite Sr<sub>2</sub>FeMoO<sub>6</sub>" in International Journal of European Physics Letters in October 2014.
73. Dr. M. Chandra Sekhar, Dr. N. Nanda Kumar Reddy, Dr. S. Victor Vedanayakam & M. Raja Reddy, "Growth of TiO<sub>2</sub> Films by RF Magnetron Sputtering for MOS Gate Dielectrics: Influence of Substrate Temperature" International Journal of Science of Advanced Materials, Vol. 7, pp. 1-9, 2015.
74. A.F. Pereira, K. Upendra Kumar, W. F. Silva, W. Q. Santos, D. Jaque, and C. Jacinto, Tm/Yb co-doped NaNbO<sub>3</sub> Nano-crystals as Three-Photon-Excited luminescent nano-thermometers Sensors and Actuators B: Chemical (0925-4005) 213, 65-71 (2015) 4.10 (19)
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76. Elisa Carrasco , Blanca del Rosal , Francisco Sanz-Rodríguez , Ángeles Juarranz Intratumoral thermal reading during photo-thermal therapy by multifunctional Fluorescent nanoparticles Advanced Functional Materials (1616-3028) 25(4), 615-626, (2015) 11.81(48)
77. Mr. M Jagadeesh Babu, "Bridge Structural Health Monitoring Using Wireless Sensor Networks", *International Journal of Electronics and Communication Engineering (SSRG-IJECE)*, ISSN: 2348 - 8549, Vol.1, Issue 8, PP: 42-45, Oct 2014.

78. Mr. M JagadeeshBabu, "Design and Development of Embedded System Based Multimedia Steganography", *International Journal of Scientific Research and Engineering Studies (IJSRES)*, ISSN: 2349-8862, Vol.1, Issue 3, PP: 55-58, Sep 2014.
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80. Mr. M. Sreenath Reddy, "Design and Simulation of Solid State Power Amplifier for Radar Applications", *Proceedings of National Conference on Recent Trends in Signal Processing NCSP'15 conducted by ECE Department, MITS, Madanapalle*. ISBN NO.978-93-85100-01-7, PP: 271-276, Feb 2015.
81. Mr. V. Sai Kumar, "Battery powered heating and cooling suit", *Proceedings of National Conference on Recent Trends in Signal Processing NCSP'15 conducted by ECE Department, MITS, Madanapalle*. ISBN NO.978-93-85100-01-7, PP: 235-240, Feb 2015.
82. Mr. V. Sai Kumar, "Modeling and Simulation of Cantilever Sensor Using COMSOL Multiphysics", *International Journal and Magazine of Engineering, Technology, Management and Research*. ISSN no:23484845, Vol. 1, Issue 12, PP: 6-8, Dec 2014.
83. Ms. C. K. Hemantha Lakshmi, "Image processing based robotic arm control by using raspberry pi", *Proceedings of National Conference on Recent Trends in Signal Processing NCSP'15 conducted by ECE Department, MITS, Madanapalle*. ISBN NO.978-93-85100-01-7, PP: 230-234, Feb 2015.
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85. Mr. S. Arun, "Realization of Aging-Aware Reliable Multiplier Design Using Verilog HDL", *Proceedings of National Conference on Recent Trends in Signal Processing NCSP'15 conducted by ECE Department, MITS, Madanapalle*. ISBN NO.978-93-85100- 01-7, PP: 104-107, Feb 2015.

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89. Ms. G. Naga Swetha, "GSM Based Greenhouse Monitoring System for Agricultural Field", *International Journal of Professional Engineering Studies*, Vol. III, Issue 3, PP: 185-188, Sep-2014.
90. Ms. G. Naga Swetha, "Design and Implementation of Intelligent Energy Monitoring System for Industrial Machines", *International Journal of Emerging Technologies in Computational and Applied Sciences (IJETCAS)*, e-ISSN:2279-0055 p-ISSN:2279-0047, PP: 399-405, Sep-Nov, 2014.
91. Mr.B. Vamsi Krishna, "ARDUINO based Wireless Security System for Emergency Reporting", *Proceedings of National Conference on Recent Trends in Signal Processing NCSP'15 conducted by ECE Department, MITS, Madanapalle*. ISBN NO.978-93-85100-01-7, PP: 211-217, Feb 2015.
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93. Mr.B. Vamsi Krishna, "Speech Recognition Module for Home Automation System Based on ZigBee", *International Journal of Computer Science and Mobile Computing, IJCSMC*, ISSN 2320–088X, DOI: 10.15680/ IJIRSET.2015.0401069, Vol. 3, Issue 8, PP: 737 – 744, Aug 2014.

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96. Mrs. G. R. Hemantha, "Navigation for the Blind Using GPS along with Portable Camera Based Real Time Monitoring", *SSRG International Journal of Electronics and Communication Engineering (SSRG-IJECE)*, e-ISSN:2348 – 8549 p-ISSN:2349 - 9184, Vol. 1, Issue 8, PP: 46-50, Oct 2014.
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100. Mr. G. Samba Siva Rao, "Distributed Arithmetic Unit Design for Fir Filter", *International Journal & Magazine of Engineering, Technology, Management and Research*, ISSN No: 23484845, Vol. 2, Issue 2, PP: 7-11, Feb 2015.
101. Mr. D. Bala Krishna Reddy, "Portable Camera-Based Assistive Text and Product Label Reading from Hand Held Objects for Blind Persons", *Proceedings of National Conference on Recent Trends in Signal Processing NCSP'15 conducted by ECE Department, MITS, Madanapalle*. ISBN NO.978-93-85100-01-7, PP: 259-262, Feb 2015.

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104. Mr. P.Sravan Kumar, "Comparative Study of Implementation of Secant Method and Newton Raphson Method in Finding the Optimum Weight Vector for Adaptive Systems", *Proceedings of National Conference on Recent Trends in Signal Processing NCSP'15 conducted by ECE Department, MITS, Madanapalle*. ISBN NO.978-93-85100- 01-7, PP: 263-270, Feb 2015.
105. Mr. P. Sravan Kumar, "Hardware Implementation of OFDM Transmitter and Receiver Using FPGA", *International Journal & Magazine of Engineering, Technology, Management and Research*, ISSN No: 23484845, Vol. 2, Issue 3, PP: 12-17, Mar 2015.
106. Mr. D.Girish Kumar, "Home Automation through E-Mail Using Raspberry Pi", *Proceedings of National Conference on Recent Trends in Signal Processing NCSP'15 conducted by ECE Department, MITS, Madanapalle*. ISBN NO.978-93-85100-01-7, PP: 127-131, Feb 2015.
107. Mr. D. Girish Kumar, "An Embedded based Intelligence Auditorium System", *Journal of Emerging Technologies and Innovative Research (JETIR)*, ISSN-2349-5162, Vol. 1, Issue 7, PP: 805-812, December 2014.

### **Papers Presented at Conferences**

1. Mr. G. Gurumahesh, "Design and analysis of a single seater race car chassis frame" National Conference on Innovations in Mechanical Engineering (NCIME) 18<sup>th</sup> & 19<sup>th</sup> December 2014.
2. "Design and model analysis of Moncrone Leaf Spring" in National Conference on Innovations in Mechanical Engineering (NCIME) 18<sup>th</sup> & 19<sup>th</sup> December 2014.

3. Mr. M. Subbarao, "Optimization of winds or 650 machine injection moulding parameters to reduce the defects" National Conference on Innovations in Mechanical Engineering (NCIME) 18<sup>th</sup> & 19<sup>th</sup> December 2014.
4. Mr. A. Balaraju, "Transient response of automobile suspension system using four wheeler vehicle" National Conference on Innovations in Mechanical Engineering (NCIME) 18<sup>th</sup> & 19<sup>th</sup> December 2014.
5. "Determination of axial cutting forces in hard turning on AISIS H11 hot worked tool steel by a mode generated in response surface methodology" National Conference on Innovations in Mechanical Engineering (NCIME) 18<sup>th</sup> & 19<sup>th</sup> December 2014.
6. "An Overview on Sandwich Beam", National Conference on Innovations in Mechanical Engineering (NCIME) 18<sup>th</sup> & 19<sup>th</sup> December 2014.
7. Mrs. G. Sowjanya, "The syntheses and luminescence properties of Sm +3 doped Potassium Yttrium Borate Phosphor for solid state lighting applications" National Laser Symposium – 23 , Department of Physics Sri Venkateswara University from 3 – 6 of December 2014.
8. -----"Advances in Electrical, Power Control, Electronics and Communication Engineering" (AEPCECE – 2014), International conference by "Social Welfare Foundation in Association With KrishiSanskriti" during 13<sup>th</sup> -14<sup>th</sup> December 2014 at Jawaharlal Nehru University, New Delhi.
9. Dr. M. Raja Reddy, Professor, Department of Physics was a Guest of Honor to present a special talk in the two day conference on "The role of Nano technology in the field of physical and bio sciences", sponsored by UGC , SERO Hyderabad from 29- 30 October at B. T. College of Arts and Science, Madanapalle.
10. Dr. G. Harinath Gowd, "Optimal Selection of Machining Parameters in CNC Turning process of EN-31 using Intelligent Hybrid Decision making Tools" *GCMM 2014* Organized by VIT, Vellore 8- 10<sup>h</sup> Dec. 2014
11. Dr. A. R. Reddy, "Radio Frequency Engineering of Fourth Generation Mobile Phone Networks for Long Term Evolution Advanced Specification" *Proceedings of National Conference on Recent Trends in Signal Processing NCSP'15* conducted by ECE Department, MITS, Madanapalle. ISBN NO.978-93-85100-01-7, PP: 113-119, 18- 19 Feb 2015.
12. Dr. A. R. Reddy, "Performance Study of 4G Modulation Schemes with MIMO in Rician Channel", *Proceedings of National Conference on Recent Trends in Signal Processing*

- NCSP'15 conducted by ECE Department, MITS, Madanapalle. ISBN NO.978-93-85100-01-7, PP: 168-177, 18-19th Feb 2015.*
13. Dr. S. A. K. Jilani, "ARM 9 based finger print authentication system", *Proceedings of National Conference on Recent Trends in Signal Processing NCSP'15 conducted by ECE Department, MITS, Madanapalle. ISBN NO.978-93-85100-01-7, PP: 17-23, 18- 19 Feb 2015.*
  14. Dr. S. A. K. Jilani, "Advanced Spy Camera Using Raspberry Pi", *Proceedings of National Conference on Recent Trends in Signal Processing NCSP'15 conducted by ECE Department, MITS, Madanapalle. ISBN NO.978-93-85100-01-7, PP: 246-250, 18- 19 Feb 2015.*
  15. Dr. S. A. K. Jilani, "Video Stabilization Using Raspberry Pi", *Proceedings of National Conference on Recent Trends in Signal Processing NCSP'15 conducted by ECE Department, MITS, Madanapalle. ISBN NO.978-93-85100-01-7, PP: 74-78, 18 - 19 Feb 2015.*
  16. Dr. J. L. Mazher Iqbal, "3-D Image Reconstruction methods from 2-D Images", *Proceedings of National Conference on Recent Trends in Signal Processing NCSP'15 conducted by ECE Department, MITS, Madanapalle. ISBN NO.978-93-85100-01-7, PP: 99-103, 18- 19 Feb 2015.*
  17. Dr. J. L. Mazher Iqbal, "Intelligent Medicine Box for Medication Management using IoT", *Proceedings of National Conference on Recent Trends in Signal Processing NCSP'15 conducted by ECE Department, MITS, Madanapalle. ISBN NO.978-93-85100-01-7, PP: 120-126, 18- 19 Feb 2015.*
  18. Dr. J. L. Mazher Iqbal, "Elderly Abnormal Human Activity Recognition Based on Morphology and Hidden Markov Model Classifier", *Proceedings of National Conference on Recent Trends in Signal Processing NCSP'15 conducted by ECE Department, MITS, Madanapalle. ISBN NO.978-93-85100-01-7, PP: 224-229, 18-19 Feb 2015.*
  19. Dr. Gautam Narayan, "Weathering a storm in space: Satellites and Space-weather", *Proceedings of National Conference on Recent Trends in Signal Processing NCSP'15 conducted by ECE Department, MITS, Madanapalle. ISBN NO.978-93-85100-01-7, PP: 286-290, 18 - 19 Feb 2015.*

20. Mr. S. Javeed Hussain, "Analysis and Synthesis of Barcode Using Image Processing", *Proceedings of National Conference on Recent Trends in Signal Processing NCSP'15* conducted by ECE Department, MITS, Madanapalle. ISBN NO.978-93-85100-01-7, PP: 63-68, 18 -19 Feb 2015.

## STUDENTS ACTIVITIES

### Co-curricular Activities

Madanapalle Institute of Technology & Science, such a great institution knowing the touch and taste of culture and its impact on existence of human life, celebrated a two day national cultural fest called '**ASHV-15' (The Race of Talent)** on 13 and 14 March, 2015. The fest commenced with different kinds of events such as **Larynx Warz, Dance-Vance, Globe theatre, Chefs Corner, Pic-o-rama, Haute Couture, Track and Field events and Bonus Bonanza** on 13 March, 2015.



### Students Achievements

1. Mr. S. FirozBasha of II B.Tech, Department of ECE participated and presented a paper titled "**Augmented Reality**" in a one-day National Technical Symposium **Aavishkar 2014**, organized by Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya, Enathur, Kanchipuram on 31 October 2014 and secured **first prize** .



2. SaiPraneeth, Shareeq, Mohith Raj, Bhanu Prakash, Ganesh, Ganesh Babu, and Sai Kumar I Year B.Tech students bagged **first prize** for presenting a short film on Nature.
3. P. CharanSai, Department of ECE , got **II place** for JAM and P. Pavan Kumar won *III place* in the category of Instrumental (Guitar) at cultural fest "**THRIMSHATI-2K14**" organized by G. Pulla Reddy Engineering College, Kurnool.
4. Students from third year CSE (Miss. Depika) and ECE Department (Miss. Aruna and Miss. ArhiyaBanu) was **runner up** in **Tennicoitin** the **6<sup>th</sup> Inter Collegiate and Sports meet of JNTUA, Anantapuram** during 27 - 28 Feb, 2015 and 1 Mar, 2015 held at ChaitanyaBharathi Institute of Technology (CBIT) and VignanaBharathi Institute of Technology (VBIT) college, Proddatur.



5. T. Om Nanda Kishore Reddy, II MCA, 4th Semester, won the **First Prize** in paper presentation on the topic **Big Data** at a one-day National Level Technical Meet **IGNATIA-2K15** conducted by SV College of Engineering, Karakambadi Road, Tirupati and won cash prize of rupees **1500/- & a Certificate.**
6. V. Arun Kumar, II MCA 4th Semester, MITS won the **Second prize** and received cash award of rupees 1000/- & certificate, in paper presentation on the topic Wireless system 5G technology at a One-day National Level Technical Meet **IGNATIA-2K15** conducted by S.V. College of Engineering, Karakambadi Road, Tirupati.

7. B.Tech-I year, MITS students visited and interacted with students of Birla Institute of Technology & Science-Pilani, Hyderabad campus on 26 April 2015 as a part of educational tour.
8. **Mr. P. Yoganand Kumar**, II MCA 4<sup>th</sup> semester student presented a paper titled **System Security** at a**One- day National Level Symposium PLUX US -2K15** conducted on 22- April 2015 at SreeVidyaNikethan College of Engineering, Tirupati and won **FIRST PRIZE** for the presentation.
9. **Miss. C SowmySree**, Mechanical Department, MITS received the prestigious **Prathibha Award** from the Government of Andhra Pradesh for the academic year 2013-14 in the discipline of the Mechanical Engineering. She also received Rs. 20000 /- as the cash reward, a laptop along with the Prathibha award medal and certificate by the government of Andhra Pradesh

### Student Leadership

1. Two volunteers C.HemaNandini, III ECE and D. TejasreeBasavadev, II ECE, got selected for State Level Mega NSS camp held at S.V University, Tirupathi from 20 – 24 November 2014 and performed well on behalf of JNTUA and MITS.
2. In connection with the Talibans' attack on army school children in Peshawar, Pakistan, NSS Volunteers, students and Staff members of MITS took a candle- lightening procession led by the Principal Dr. C. Yavaraj, from MITS to Angallu Circle on 17 November 2014 where they condemned the massacre and paid tribute to the diseased children.
3. NSS Unit as a part of "**Swachh Bharat Abhiyan**" conducted a campaign aims to accomplish the vision of 'Clean India' by 2<sup>nd</sup> October. The students and faculty members assembled in the campus and moved forward to the Nandi Garden on 24 November 2014.



4. NSS Unit organized '**National Unity Day**' on 31 October 2014 in Angallu on the occasion of the birth anniversary of Sardar Vallabhai Patel and emphasized the responsibility of national unity, integrity and security. Dr. C. Yuvaraj, Principal, addressed the audience who formed human chain at the Angallu circle.



5. NSS unit organised an awareness programme in view of the "Global Hand washing Day" on 15 October 2014 at Thettu Village, ZP, Primary and Harizanawada Schools and emphasized the good habits of cleaning hands before taking the food. Two important Government Mandal level officials, **Sri. ChalapathiGaru**, MDO & **Sri Thyagaraju**, **MEO, Kurabalakota** participated and addressed the students.



6. **MITS – NSS unit** organised an awareness programme along with the free distribution of Homeo Medicine as a preventive measure to curb the menace of spreading Swine Flu in Angallu Village on 09 Feb 2015. In this programme, Principal

- MITS, MDO Kurabalakota, Deputy DMHO Madanapalli, Medical Officer Kurabalakota, nearly 30 Health Workers and NSS Volunteers actively participated in order to educate, encourage the public to know & to propagate about the root causes of inflicting and spreading of the deadly disease – SWINE FLU.



### BEST MOMENT

#### BEST MOMENT

The Chief Minister of Andhra Pradesh **Hon`ble Sri. N. Chandrababu Naidu**, the architect of Swarn Andhra Pradesh, visited to take part in the 'Janmabhoomi-MaaVooru' – programme. **Sri. N. Vijaya Bhaskar Choudary**, Secretary & Correspondent, **Sri N. Krishna Kumar**, Chairman, **Dr. C. Yuvaraj**, the Principal and student representatives presented a cheque of Rs. 7,24,214-00 (Contributions from MITS Management, Staff and the students' Contribution' Rs.1,24,200/-) to the Hud hud Cyclone Relief Fund.





# Madanapalle Institute of Technology & Science

## UGC-AUTONOMOUS

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