



www.mits.ac.in

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

UGC -AUTONOMOUS

Madanapalle - 517325, Chittoor Dist., Andhra Pradesh

ANNUAL REPORT 2016-17



Epitomizing Knowledge &
Continuous Learning

Follow us:



College News



- Our beloved **Secretary & Correspondent's** extraordinary support and foresight on MOOCs added another feather to our MITS' illuminating cap. Our College-Local Chapter of NPTEL has been selected as a **TOP 10 Institute's Local Chapter** among 686 Local Chapters all over India. MITS has been felicitated by NPTEL – IIT Madras

as 'AAA category institute' with respect to our student's performance in the NPTEL-MOOCs courses online examination on 17 December 2016 at IIT Madras. NPTEL has **686 Local Chapters**, we are one among the '**TOP 10 Local Chapters in INDIA**'. In the TOP 100 list, we are in the "**Second Position**".

Conferences/Seminars/Workshops Organized

Department of Electrical and Electronics Engineering (EEE)

- Organized a six-day workshop on '**Smart Antenna Design and Analysis for MIMO Wireless Systems**' from **19-24 September 2016**.) Dr. S. Chetan Kumar, Senior Manager, Cisco Systems, Bangalore, Mr. Kirti Keshav, Manager, CISCO Systems Bangalore, Mr. Bhawani Shanker Bhati, Research Scholar, IISC Bangalore, Mr. M. Sreenivasan, Scientist 'D', SAMEER, Mr. Durgesh Katre, Application Engineer Nilogic Pvt. Ltd, Pune, Mr. J. Ravi Kumar, Senior Engineer, Technilab Instrument, Mr. A. Manimaran, Senior Application Engineer, VI Solutions, Bangalore and Mr. T.R Gunanad, Senior Engineer, Techilab Instrument Bangalore were the resource persons.
- Organized a one-week national level workshop on "Recent Developments and Research Challenges in Distributed Generation and Microgrids" from 13 to 17 December 2016 under TEQIP-II. Sri. M. M. Babu Narayanan, Chief Technical Advisor, PRDCL, Bangalore was the chief guest.
- Organized a workshop on "Practical Implementation Aspects of Solar Photovoltaic Systems" on 13 June 2016.



- Organized a national conference on '**Advances in Power and Energy Systems**' on 18 March 2017.

Department of Mechanical Engineering (ME)

- A three day workshop on "Short-term course on Finite element method for Engineers" was organized from 14 - 16 July 2016
- Organized a one-day seminar on "**Career Opportunities for Mechanical Engineers**" for III B. Tech (ME) students on 20 July 2016. Dr. Ajay J. Singhal from Manipal University was the resource person.
- Organized a 'Two-day Staff Development Program in CNC Programming' from 16-



17 September 2016. Mr. M. Kalimuthu, Manager – training, MTAB Engineers Pvt. Ltd. Chennai was the resource person.

- Organized a two day workshop on "Recent advances in Additive Manufacturing" on 19 - 20 August 2016
- Organized a two day workshop on "Modeling ,Simulation and Product Design Practices in Engineering" on 17 – 18 February 2017
- A workshop on "Environmental Management Framework (EMF) and Procurement" was organized for non teaching staff on 15 - 16 July 2016
- Organized the 'Fourth National Conference on Innovations in Mechanical Engineering (NCIME' 16)' on 21 and 22 October 2016. Dr. N. N. Kishore, Professor, Department of Mechanical Engineering, IIT Tirupathi, was the chief guest.
- Organized a seminar on '**Conservation of Oil and Natural Gas**' on 17 January 2017.
- Organized a national level students' technical symposium '**MEchonance'17**' on 18 April 2017.

Department of Civil Engineering (CE):

- Organized an innovative event in the form of exhibition "**Building Materials Day Exhibition**" on 2 November 2016 in South Block – Open Hall from 3.00 -5.30 P.M. Principal MITs – Dr. C. Yuvaraj inaugurated the exhibition.
- Organized a one-day national level technical symposium '**CITA'17**' on 12th April 2017.



- A workshop on “Motivating Employees for Rain Harvesting” was organized for non teaching staff on 7 September 2016.
- A workshop on “Clean Campus Green Campus” was organized for non teaching staff on 20 January 2017.
- A workshop on “Disposal of Kitchen waste for Organic Gardening and Compost fertilizer. etc” was organized for non teaching staff on 24 March 2017.
- A workshop on “Water Management for Betterment of Future Generation.” was organized for non teaching staff on 12 August 2016.

Department of Computer Science and Engineering (CSE)

- A Training Programme on “BIG DATA ANALYTICS” was organized from 1- 10 June 16.
- Organized a training Program on “IoT Application Development in Cloud Platform (IoTADC)” on 19 - 24 Sep 2016
- Organized a ‘One- day Seminar on Cyber Technology’ on 24 October 2016.
- Organized in collaboration with TEQIP-II a ‘One -day Workshop on Cyber Security’ on 19 November 2016. The purpose of the program was to provide participants with in-depth knowledge and skills to protect their information assets.
- Organized an awareness programme on "**Hackerearth - Online Programming Challenge**" for B. Tech. students on 21 January 2017 for all III year CSE, Mechanical, Civil, ECE, EEE and CSE II year students. The main objective of this programme was to create an awareness on platform Hackerearth to code, participate, and take challenges which will be helpful for the future placements.
- Organized a three-day training programme on '**Hands-on Training on Internet of Things**' in collaboration with IIIC Cell MITS Madanapalle by Mr. Chetan R. P. from 15 to 17 February 2017.
- Organized a national level technical symposium on “Emerging Trends in Computer Science & Information Technology” on 19 April 2017.
- Conducted a two-week workshop on "**CATIA V5 Mechanical Designer**" Organized by APSSDC during 6th to 20th June, 2017. Dr Kirana Kumara P. was the resource person
- Organized a two day workshop on “Office administration software MS-PPT” for non teaching staff on 27 - 28 June 2017



Department of Electronics and Communication Engineering (ECE)

- A workshop on "Research, Patent and Publish : A tutorial" was organized on 20 July 16
- A workshop on "Embedded System Program with MSP430" was organized on 18 - 19 October 2016. (Para 2)
- Conducted a TEQIP-sponsored two-day workshop on "**Microcontroller Programming using MSP-430**" in association with **Texas Instruments (India) University program** during 3- 4 March 2017.
- A workshop on "Communication Networks" was organized on 23 - 24 March 2017
- Organized a workshop on "Important safety tips for Electrical & Electronic devices" for non teaching staff on 7 January 2016

Department of English & Foreign Languages

- Organized a three-day faculty development programme on "**Teaching Towards Excellence**" from 26 to 28 October 2016. It aimed at enhancing research and teaching capabilities of the participants. Dr. K. Narasimha Rao from VSU Nellore, Dr. Appa Swami Jasti from HCU Hyderabad, and Dr. Aparna from Pulla Reddy Women's Engineering College Hyderabad were the resource persons.
- Organized a one-day seminar on 'Integration of Technology in Language under TEQIP – II on 24 December 2016. Dr. S. P. Dhanavel, Professor (HAG) and also the Director -Central Institute of Classical Tamil, Department of Social Sciences and Humanities IIT Madras was the resource person.
- Organized a one-day seminar under TEQIP – II on 'Why Learn a Foreign Language as an Engineer' on 1 February 2017.
- Organized a workshop on "BEC (Business English Certificate) Orientation Program" on 21 December, 2016
- Organized a workshop on "Integration of Technology in English Language Learning " on 23 December, 2016
- Organized Two-day Training Programme on "Leadership Skills" for non teaching staff on 1 - 2 November 2016.
- Organized two-day Orientation Cum Training Programme on "Effective Speaking Skills for Office Administration" for non teaching staff on 16 - 17 January 2017



Department of Management

- Organized a two-day Faculty Mentoring for department ED cell coordinators on Entrepreneurship Development from 15-16 September 2016. Mr. Vikram Jit Misra, Regional Manager, NEN, Hyderabad was the resource person.
- Organized a workshop on "Microsoft Excel for Faculty at MITS Madanapalle" from 24 - 26 October 2016
- Organized a workshop on "Women Empowerment - Role in Higher Education" for non teaching staff on 12 December 2016
- Entrepreneurship Development from 15-16 September 2016. Mr. Vikram Jit Misra, Regional Manager, NEN, Hyderabad was the resource person.

Department of Computer Applications

- A two day workshop on "Android Mobile Application development" was organized on 15 - 16 July 2016.
- A two day workshop on "Advanced Database Management System" was organized on 3 - 4 February 2017.
- Organized a workshop on "Office Automation- MS WORD & POWERPOINT" for non teaching staff on 16 July 2016.
- Organized a workshop on "Internet and Email Basics" for non teaching staff on 7 January 2017.

Department. of Chemistry

- Organized a webinar on "**Higher Studies Opportunities in Germany**" on 15 March 2017.
- A workshop on "Laser Radar Techniques for Remote Sensing the Atmosphere" was organized on 16 September 2016.
- A workshop on "Sponsored Research & Consultancy" was organized on 19 November 2016.
- Organized a workshop on ""Robotics Application and Future Technologies" on 2 March 2017.
- Organized a One-day Workshop on "How to Reduce Pollution" for non teaching staff on 28 October 2016.
- Organized a workshop on "Awareness Program on Protection of Ozone Layer" for non teaching staff on 20 May 2017

Guest Lectures Arranged

Department of CE:

- Organized a lecture on 'Smart City Development' on 9 August 2016. Dr. Ch. Rama Prasada Rao, Dean IIIC, gave an overview of smart city development pertaining to the Indian context. Dr. Majumbar Pradeep Kumar, Emeritus Professor and Research Advisor, AKS University Satna (MP), was the resource person.
- Facilitated a lecture on "New Construction Materials for Roads and Buildings" for the B. Tech. students on 28 February 2017.
- Organized a lecture on "Structural Analysis - An Overview" by Dr. M. Sunil Kumar for the B. Tech. II & III year students on 30 March 2017.

Department of EEE:

- Organized (in coordination with the Industry Institute Interactive Cell (IIIC) and sponsored by TEQIP-II) a one – day lecture on 'Internet of Things and Design Principles of Embedded Systems' on 16 July 2016. Mr. T. Chakra Pani, from Module Lead, Mistral Solutions Pvt. Ltd., Bangalore was the resource person.
- Organized (in coordination with the Industry Institute Interactive Cell (IIIC) and sponsored by TEQIP-II) a one – day lecture on '**Power Electronics – An Introduction and Applications**' on 16 July 2016. Mr. Ramesh Darla, Sr. Engineer - Power Supplies, Cisco systems, Bangalore, was the resource person.
- Organized (in association with IIIC) a lecture on '**Modern Trends in Electrical Power Engineering**' for the 3rd year EEE students on 16 August 2016. Mr. Bala Krishna Singam, Vice-President- Solution Development at Essential Energy, Bengaluru was the resource person.
- Organized a lecture in association with Dept. of ME & III Cell on "**Industry Expectation from Engineering Students**" III year students on 31 March 2017.

Department of ME:

- Organized a talk on 'Technopreneurship as a Career for Mechanical Engineering Students' on 14 July 2016. Mr. Ravi Subramanyam, MD -Rise and Shine Group, Dubai was the resource person.
- Organized a talk on 'Career Opportunities for Mechanical Engineers' on 20 July 2016. Dr. Ajay J. Singha from Manipal University was the resource person.
- Organized a talk on 'Composites for Aerospace Applications' on 30 July 2016. Mr. M. Subba Reddy, Director, Composite Structures -Aeronautical Development Agency, Bangalore and Mr. M. Hemesh -Sr. Research Fellow Development Agency, Bangalore were the resource persons.
- Organized a lecture on "X-Ray Diffraction" on 5 August 2016. Prof. Rahul Basu was the resource person.
- Organized a talk on 'Aero-acoustic Characteristics of High Speed Jets' on 6 Aug 16. Dr. K. N. Murugan, CSIR-National Aerospace Laboratories, Bangalore was the resource person.
- Organized a talk on 'Geometrical Dimensioning & Tolerancing' on 9 August 2016. Dr. A. R. Raghunath, Aditi Consultancy Services, Bangalore was the resource person.
- Organized a talk on 'Industrial Engineering towards Value Maximization' on 16 August 2016. Dr. K. K. Bhattacharya, Professor at NSEC, Kolkata was the resource person.
- Organized a lecture on 'Concepts and Scope of FEM/FEA in Static Structural Analysis with Case Studies' on 23 August 2016. J.R.K Murthy, FEM Solutions, Bangalore was the resource person.

Department of ECE:

- Organized in collaboration with III Cell-MITS lecture on Analog VLSI Design for III ECE Students on 14 October 2016. Mr. Venkateshappayya, former Service and Production Engineer, Belax UPS Systems, Bangalore was the resource person.

- Organized a three - day lecture on “Embedded systems programming with MSP 430 in coordination with the Industry Institute Interactive Cell (IIIC) and sponsored by TEQIP-II ” from 17 to 19 October 2016. The objective of this lecture was to provide in-depth knowledge on Embedded-System which uses a low-cost board called “MSP430” to drive home the concepts.
- Dr. J. N. Swaminathan conducted a one-day Guest Lecture on **"IEEE- A Stepping Stone to Success"** Organized by IEEE – MITS Chapter Under TEQIP – II on 23 January 2017.
- Mr. M. Jagadeesh Babu organized a two-day lecture on **“Introduction to Microcontroller 8051”** organized by Department of ECE and IIIC Cell by RP Chetan on 1 and 2 March 2017.
- Dr. Gajendra Sharma orchestrated a two-day lecturer on **"Projects Works and Real Time System"** on 8 and 9 March, 2017.
- Dr. M. Karthikeyan conducted a two-day guest lecture on **"Real-time Application of communication Networks"** by Former ISRO scientist G. Tirumala Rao from 23rd Mar 2017 to 24 March 2017.
- Mr. S. Arun and Mr. J. T. Pramod organized a lecture on **“Building a Career in Embedded Systems Domain”** on 28 March 2017.

Department of CSE:

- Organized a lecture on “Career Opportunities in Information & Communication Technologies” on 21 July 2016. Dr. Gowdara Pandu was the resource person.
- Organized (in association with IIIC) a lecture on “Fundamentals of Fuzzy Logic” on 23 July 2016. Dr. Siddhartha Bhattacharyya, Professor and Head of Information Technology of RCC Institute of Information Technology, Kolkata was the resource person.
- Organized (in association with IIIC) a guest lecture on ‘Adding Value to Engineering Career’ on 6 August 2016. Mr. Abdul Aziz Seid, New Delhi Chapter President- International Institute of Business Analysis (IIBA) was the resource person.
- Organized (in association with IIIC) a lecture on “Embedded Systems Programming and IOT” on 23 August 2016. Mr. Chetan R. P., Director - ERT Tech. Services, Bangalore, was the resource person.

- Organized a lecture on “Chemistry for Engineers in Today's Scenario” on 29 August 2016. Dr. Padma S. Vankar was the resource person.
- Organized a lecture on **"Designing Software for Scale"** under TEQIP-II on 4 January 2017. Mr. R. Sudheer Babu, **Amazon- USA**, was the guest speaker.
- Organized a three-day guest lecture on **"Computer Networks"** by Mr. G. Tirumala Rao, the **Former Scientist of ISRO**, Vishakapatnam, for the B. Tech. CSE III yr. students during 23- 25 January 2017.
- Organized a lecture on **"IT Industry Exposure and Preparation"** by Mr. Raghavendra Prasad Reddy for B. Tech. II CSE students on 1 April 2017.
- Organized a workshop on Teradata University Network Resources for Business Analytics Research & Teaching on 20 June 2017.

Department of Management Studies

- Organized (in association with IICC) a lecture on ‘Career Opportunities in Business Analysis for Management Graduates’ on 17 August 2016 Mr. Praveen Udupa, a Certified Business Analysis Professional (CBAP) from International Institute of Business Analysis (IIBA) and a Certified Professional in Requirements Engineering from International Requirements Engineering Board, was the speaker.
- Organised a lecture on ‘Innovation and Entrepreneurship’ on 28 September 2016. Mr. Koushal, CEOVendext, Bangalore, was the resource person.

Department of Computer Applications (MCA)

- Organized a lecture on "Big Data Analytics and its Associated Skills" by Dr. A.P. Siva Kumar on 11 April 2017.

Department of Chemistry

- Organized a lecture on “Laser Radar Techniques for Remote Sensing the Atmosphere” on World Ozone Day by Dr. Y. B. Kumar, Scientist-F, LIDAR Project, National Atmospheric Research Laboratory, Gadanki, Chittoor on 16 September 2016.
- Organized a lecture on "Robotics Application and Future Technologies" under TEQIP – II on 3 February 2017.

Campus Lecture Series

- Department of ME organized a campus lecture series on 'Research Opportunities in Additive Manufacturing Technology' on 28 July 2016. Prof. C. K. Srinivasa was the speaker.
- Department of ECE organized a campus lecture series on 'Research, Patent and Publish: A Tutorial' on 20 July 2016. Dr. Dinesh K. Avnekar, former Senior Engineer- Honeywell Technologies Ltd., Bangalore was the resource person.



- Department of English and Foreign Languages organized a campus lecture series on 'Phonetics and Diction' on 26 August 2016. Ms. D. Athar Samina Khan and Dr. S. Shanmuga Priya were the speakers.

Faculty News

Ph.D. Awarded

- Mr. P. Chandra Babu Naidu from the Dept. of EEE received his Ph.D. for his thesis titled 'Analysis and Improvement of Power Quality Issues Using Custom Power Devices' from SRM University, Chennai.
- Mr. D. Sita Rami Reddy, Sr. Asst. Professor - Dept. of Civil Engineering, received his Ph. D. for his thesis entitled "*Experimental Investigations on Cement Grouted Bituminous Mixes*" from Indian Institute of Technology Kharagpur in July 2016.
- Mr. A. Ravi Prasad received his Ph.D. from JNTUA Ananthapuramu. for his thesis entitled "*Investigation on Thermal Design Improvement of 30 KW Squirrel Sage Induction Motor*" in January 2017.
- Mr. K. V. Nagesh received his Ph.D. for his thesis entitled "*Prediction of PM from Drilling Operation in Surface Mines*". in March 2017.
- Mr. Prasanta Kumar Mohanta from Department of Mechanical Engineering received his Ph.D. for his thesis entitled "*Shock Cell Structure, Decay and Spread Characteristics of Noncircular Supersonic Jets*" from Anna University in May 2017.

Book Published

- Dr. N. Nanda Kumar Reddy (Asst. Professor – Department of Physics) published a book titled 'Studies on Pt/Ru and Pd/Ru Schottky Contacts to n Type Gallium Nitride', Scholars Press, Germany, July 2016, ISSN 978-3-659-84344-0.
- Dr. N. Nagendra Published a book titled "Numerical analysis of viscoelastic fluid from an inclined plate" LAP LAMBERT Academic Publishing ISBN 978-620-2-09264-7 in January 2017.

Research/Conference Papers Published**Department of ME:**

- Akkera, H.S, Reddy, N.N.K. Poloju, M. , Sekhar, **M.C., Yuvaraj, C.** , Prasad, G.S Fabrication of cast aluminium-silicon (Al-Si) and aluminium-magnesium (Al-Mg) alloys and their properties (2016) Acta Metallurgica Slovaca, 22 (4), pp. 212-221
- Bala Raju, A. "Optimization of Process Parameters for Hchrcr in Cnc Turning Machine Using Taguchi Method" *International Journal of Engineering Sciences & Research Technology*. 9-16 April 2017, **ISSN: 2277-9655**.
- **Subbarao Genikala**, P. D. N. Kiran, and Keerthana D. N. "Design of Low Power Digital Systems Using Reversible Logic", *Elixir International Journal - Electrical Engineering*, Vol: 105, pp: 46239-46249, April 2017, ISSN: 2229-712x.

Department of ECE

- M Jagadeesh Babu, 'Monitoring of Water Level Variations in Rivers and Flood Alert System using Wireless Sensor Networks' *International Research Journal of Engineering and Technology (IRJET)* Vol: 3 Issue:7, pp. 441-445 , July 2016 e-ISSN: 2395-0056 p-ISSN: 2395-0072.
- S. A. K. Jilani, 'A Smart Gadget to Analyse the Weather Changes Using SenseHat Sensor and Internet of Things (IoT)' *Indian Journal of Science and Technology* , Vol: 9 Issue:35 , ISSN: 0974-5645.
- A. R. Reddy, 'EFASBRAN: Error Free Adaptive Shared Buffer Router Architecture for Network on Chip' In *Procedia Computer Science/Elsevier* Vol: 81, pp. 261-270, August 2016 , ISBN/ISSN: 1877-0509.
- M. Thamarai 'Video Coding Technique with Multi Objective Particle Swarm Optimization and EZW' *Journal of Electrical Engineering and Technology / The Korean Institute of Electrical Engineers* Vol: 11 Issue: 5, pp.1404-11, September 2016, ISBN/ISSN: 2093-7423.

- **K Mohan, P Chandrasekhar, SAK Jilani**

“Object Face Liveness Detection with Combined HOGlocal Phase Quantization Using Fuzzy based SVM Classifier”, *Indian Journal of Science and Technology*, Vol: 10, Issue: 3 January 2017.

- **Arunbabu D.**, Sungmin Jung, Jiang Tian Liu, Sung Hwa Hong, Dhamodaran Arunbabu, Seung Man Noh, Jung Kwon Oh, “A New Reactive Polymethacrylate Bearing Pendant Furfuryl Groups: Synthesis, Thermo-reversible Reactions and Self-healing” *Polymer*, Vol. 109, 58-65, Elsevier - 27 January 2017.

- Shridevi A Mali, G Sravanthi, **Siva Subba Rao P**, Raja S, Sushma S J, A R Reddy, Rohith P Maben, “An Algorithm for Obstacle Avoidance Controller Using Ultrasonic Sensor for Mini Aircraft Applications”, (IETE) *Institution of Electronics and Telecommunication Engineers*, PP: 49-53, Mar 2017.

- Subbarao Genikala, “Speech Enhancement Combined with Post Processing Technique in Non-Stationary Noise Environments”, *Elixir International Journal - Electrical Engineering*, ISSN: 2229-712x, Vol: 104, pp: 45785-45789, Mar 2017.

- A N Morali, AH Abdullah, Z Zakaria, NA Rahim, V Vijejan, Sathees Kumar Nataraj, “Classification of human breathing task based on electromyography signal of respiratory muscles”, *2017 IEEE 13th International Colloquium on Signal Processing & its Applications (CSPA)*, Malaysia, March 2017.

Department of CSE

- M. Sreedevi, “An Efficient Method for Protecting Hydpertext and Reducing Computation Cost Using Cloud Resources”, *International Journal of Advanced Trends in Computer Science and Engineering*, Volume 5, No. 4, August 2016, ISSN 2278-3091.

- R. Kalpana, “Fusion for Image Based Human Age Estimation”, *Intelligent Automation & Soft Computing*, pp. 1-5, 16-09-2016.

- V. Bhoopathy, “Trailing Mobile Sinks to Data Coverage Protocol for Wireless Sensor Networks”, *International Journal of Innovations & Advancement in Computer Science*, ISSN: 2347 – 8616 (electronic version), Volume 5, Issue 6 pp.135-142, 2016.

- V.T. Kesavan, “Authentication in Wireless Sensor Networks Using Dynamic Keying Technique”,

Keying Technique", *International Journal of Intelligent Engineering & Systems*, Vol.9, No.3, pp. 146-155, 2016.

- V.T. Kesavan, "Cluster- based Secure Dynamic Keying Technique for Heterogeneous Mobile Wireless Sensor Networks", *China Communications*, pp. 178 – 194, 14 July 2016, ISSN: 1673-5447.
- V. C. Bharathi, Naga Prathyusha and V. C. Bharathi, "Efficient Scheme for Profit Maximization and QoS to Clients in Cloud", *International Journal of Computer Science Trends and Technology*, Vol. 4(5), September 2016.
- M. V. Jagannatha Reddy, G. Nagarjuna Reddy, M. V. Jagannatha Reddy, 'Big Data Processing Using Hadoop in Retail Domain', *International Journal Of Engineering and Computer Science*, Volume 5, Issue 9, pp. 18175-18179, September 2016 , ISSN: 2319-7242.

Babu, S.

I. "An analysis of decision-making structure for self-organizing system based on software engineering" *Computers & Electrical Engineering* - Elsevier ISSN: 0045-7906, Jan 2017.

II. "A Novel Approach to New Two Level of Organize Sampling Selection for Reducing the Redundancy" *IJSETR*- March 2017, ISSN:2319-8885.

- V. Thirupathy K. "Reactive power pricing using cloud service considering wind energy" *Cluster Computing* "The Journal of Networks, Software Tools and Applications", doi: 10.1007/s10586-017-0896-2 in May 2017.

Department of Computer Applications

- Vijaya Kumar, "Optimization of Data Storage and Fault Tolerance Strategies in Cloud Computing", *International Journal of Science & Research*, Volume -5, Issue-8, August 2016.

Department of English and Foreign Languages

- G. Hampamma, 'Manjula Padmanabhan's Three Virgins and Other Stories: Amazing, Amusing, Disturbing and Dazzling" *International Journal of English Language, Literature and Humanities*, Vol. 4, pp. 398-404.
- G. Hampamma, 'Race, Culture, and Class Discrimination in Manjula Padmanabhan's Beads', *International Journal of Research in Social Science*, Vol. 6 Issue 11.

- G. Hampamma , 'Social Perspectives in KV Raghupathi's Between Me and the Babe' Poetcrit. Vol. 29, Issue 2, July 2016.
- Padma, R. **Hampamma, G.** "Race, Culture and Class Discrimination in Manjula Padmanabhan's *Beads*". *International Journal of Research in Social Sciences (IJMRA)*. Vol. 6 Issue 11, Nov 2016. ISSN: 2249-2496. Pp: 513-520. Impact Factor: 7.081. (UGC approved)
- Rasheeda Begam, 'Portrait of Spirituality, Morality and Redemption in Wise Blood' *International Journal of Research in Social Science*, Vol. 6, Issue 11, 2016.
- Naresh, K. **Hampamma, G.** & Chitra, VB. "Nostalgia, Passion and Modernity: A Critical Reading of KV Raghupathi's three select poems - *Steam Engine, July 14, 2013* and *Ode to My Cycle*". *Labyrinth*. ISSN: 0976-0814, Vol. 8 Issue 1. Jan 2017. Pp:198-206.
- Saxena, P. "Transformation is Perseverance: A Study of Chinua Achebe's Trilogy (TFA, NE, AoG)", *International journal of Contemporary Issues*, ISSN 2229- 581X, Vol.14 Issue 4; Feb 2017.Pp:25-35.

Department of Mathematics

- A. Subba Rao, V. Ramachandra Prasad, N. Nagendra, N. Bhaskar Reddy and O. Anwar Beg "Non-Similar Computational Solution for Boundary layer flows of non-Newtonian fluid from an Inclined Plate with Thermal Slip" *Journal of Applied Fluid Mechanics*. Vol.9, No.2, pp.795-807(2016). ISSN: 1735-3645, Impact factor-0.888
- A. Subba Rao, V.R. Prasad, K. Harshavalli and O. Anwar Beg, "Heat Transfer and Thermal Radiation Effects On Non-Newtonian Fluid In Variable Porosity Regime With Partial Slip", *Journal of Porous Media(JPM)*, Vol. 19, No.4, pp.313-329(2016). Impact factor: 0.807; DOI: 10.1615/JPorMedia.v19.i4.30
- Nagaradhika. V. and Subba Rao. A. "Free Convection in a vertical annular cylinder in porous media with effect of viscous dissipation" *International Journal of Recent Scientific Research*, Vol.7, No.7, pp.1261412624, 2016.
- Gouse Mohiddin, Jeelani Begum. S, B. Maheswari, S. Gouse Mohiddin, 'Independent and Irredundant Functions of Quadratic Residue Cayley Graphs', *International Journal of Computational Science, Mathematics and Engineering (IJCSME)*, Special Issue on Computational Science, Mathematics and Biology IJCSME- SCSMB 16-March-2016, ISSN-2349-8439, DOI 10.18645/IJCSME.SPM.0005.

- K. Venkatadri, S. Gouse Mohiddin, M. Suryanarayana Reddy, 'Heat and Mass Transfer Effects past a Vertical Cone with Thermal Radiation in Non-Darcian Porous Media', *International Journal of Computational Science, Mathematics and Engineering (IJCSME)*, Special Issue on Computational Science, Mathematics and Biology IJCSME- SCSMB-16-March-2016, ISSN-2349-8439, DOI: 10.18645/IJCSME.SPM.0004.
- P. Kalpana, 'Statistical modelling on growth rates of Groundnut crop from 1990 to 2014, in India', *International Journal of Engineering & Scientific Research*, Vol. 4, Issue 10, 2016, ISSN 2347-6532.
- S. Sreenadh, NagaJyothi. N, and Devaki. P, 'Analysis of magnetic field on the peristaltic transport of Johnson -segalman fluid in an inclined channel bounded by flexible walls', *International Journal of Current Research*, 8 (2), 26617-26634, 2016
- P. Devaki, K. Vajravelu, and S. Sreenadh, 'Peristaltic Pumping of a Casson Fluid in an Elastic Tube', *Journal of Applied Fluid Mechanics* (4), pp. 1897-1905, 2016.
- Naga Jyothi. N, Devaki. P, and S. Sreenadh, ' Effect of Thickness of Porous Lining on the Peristaltic Transport of a Conducting Fluid in an Inclined Channel Bounded by Flexible Walls Coated with Porous Material', *International Journal of Engineering Research and Management*, 3(9), pp. 40-46 .
- **Venkateswarlu, B.** and Satya Narayana, P.V. Influence of variable thermal conductivity on mhd casson fluid flow over a stretching sheet with viscous dissipation, solet and Dufour effects (2016) *Frontiers in Heat and Mass Transfer*, 7 (1), art. no. 16
- Abdul Gaffar, S., **Ramachandra Prasad**, V., Keshava Reddy, E. MHD free convection flow of Eyring-Powell fluid from vertical surface in porous media with Hall/ionslip currents and ohmic dissipation *Alexandria Engineering Journal*, 55 (2), pp. 875-905. (2016).

Department of Chemistry

- B. Venkata Raman, Narasimha Rao Bhogi Reddy, Pardhasaradhi Mathi, Venugopal Gaddaguti, Naga Vamsi Krishna Ambatipudi, Venkata Raman B., Evaluation of the in vitro Anti-inflammatory activity of the ethanol extract from the seeds of *Entada Purusaetha* DC, *International Journal of Pharmacy Bio- Sci.*, 7(1), pp. 546-551, 2016.

- P. Mathi, G K Veera Machaneni, K. Kranthi Raj, V R Talluri, B. Venkata Raman, M. Botlagunta, 'Invitro and in silico characterization of angiogenic inhibitors from Sophorainterrupta', *Journal of Molecular Modelling*, 22 (10):247, pp. 1-12, 2016.
- P. P. George, I. Genish, S. Maklouf, Y. Kolytyn, A. Gedanken, RAPET (Reaction under Autogenic Pressure at Elevated Temperatures) Technique Assisted Synthesis of Encapsulated CdE@C [E=S, Se and Te] Nanocrystallites, *International Journal of Nanoscience.*, 2016, In Press, DOI: <http://dx.doi.org/10.1142/S0219581X16500320>.
- R. Yuvasravana, P. P. George, 'A Green Protocol for Synthesis of MAI22O44, M=CuM=Cuand Co] Spinel Under Microwave Irradiation Method, *International Journal of Nanoscience*, 2016, In Press, DOI <http://dx.doi.org/10.1142/S0219581X16500332>.
- Arunbabu Dhamodaran ,D. Arunbabu, S. M. Noh, J. H. Nam, and J. K. Oh, 'Thermo reversible Self-Healing Networks Based on a Tunable Polymethacrylate Crosslinker Having Pendant Maleimide Groups', *Macromolecular Chemistry and Physics*, 2016, In Press, DOI: 10.1002/macp.201600330.
- K. Seeni Meera., R. Murali Sankar, S. N. Jaisankar, and A. B. Mandal, 'Studies On Biocompatible surface-Active Silica Aerogel and Polyurethane-Siloxane Cross-Linked Structures for Various Surfaces', *Encyclopedia of Biocolloid and Biointerface Science 2V Set*, Ed. Ohshima, H. (2016), John Wiley & Sons, Inc., Hoboken, NJ, USA. DOI: 10.1002/9781119075691.
- M. Balaji, H. Kang, K. H. Park, 'Phosphine and palladium-free synthesis of aryl and alkenylboronates: A nano-catalytic approach', *Catalysis Communications*, 85, pp. 61-65. 2016.
- **Mohan, B;** Kang, H ; Park, KH , Phosphine and palladium-free synthesis of aryl and alkenyl boronates: A nano-catalytic approach, *Catalysis Communications* Volume: 85 Pages: 61-65 DOI: 10.1016/j.catcom.2016.07.014 Published: OCT 5 2016
- K. Mohan Kumar, S. Godavarthi, T.V.K. Karthik, M. Mahendhiran, A. Hernandez-Eligio, N. Hernandez-Como, V. Agarwal, and L. Martinez Gomez, 'Green Synthesis of S-doped Rod shaped anatase TiO₂Microstructures', *Materials Letters*, 183, pp. 211-214, 2016.
- K. Mohan Kumar, S. Godavarthi, E. Vázquez Vélez, M. Casales Díaz, M. Mahendhiran, Mahendhiran, A. Hernandez-Eligio, M. G. Syamala Rao, and L. Martinez Gomez, 'Green Synthesis of hausmannitenano Crystals and Their Photocatalytic Dye Degradation and Antimicrobial Studies', *Journal of Sol-Gel Science and Technology*, 80(2), pp. 396-401,2016.

- B. Syed, M. N. Nagendra Prasad, B. L. Dhananjaya, K. Mohan Kumar, S. Yallappa, and S. Satish, 'Synthesis of Silver Nanoparticles by Endosymbiont Pseudomonas Fluorescence CA 417 and Their Bactericidal Activity', *Enzyme and Microbial Technology*, 2016. In Press, DOI: <http://dx.doi.org/10.1016/j.enzmictec.2016.10.004>.
- R. Lakshmipathy, K. Mohan Kumar, N. Anvesh Reddy, G. Srinivas, and K. Chandra Mohan, 'ZnS nanoparticles Capped with Watermelon rind Extract and Their Potential Application in Dye Degradation', *Research on Chemical Intermediates*, 1-11, DOI: 10.1007/s11164-016-2700-y.
- Yuvasravana, R., P.P. George, N. Devanna, 'The Comparison Synthesis of CdWO₄ Ceramics Generated by Solvent Free Microwave Combustion and Solvothermal Microwave Route', *International Journal of Scientific Research*, Vol.VI, Issue 4, 2017.
- Yuvasravana, R., P. P. George, N. Devanna, 'Biosynthesis of MO-MCo₂O₄ [M=Zn and Cu] Composites from peel extract of pomegranate fruits -'Punica granatum'. *International Journal of Innovative Research in Science Engineering and Technology.*, Vol. VI, pp. 5516-5524, 2017. [April 2017]
- Yuvasravana, R., P. P. George, N. Devanna, 'A Green-Chemical Approach for the Synthesis of Cobaltate Spinel MCo₂O₄ [M= Mg and Ni] Under Microwave Assistance', *International Journal of Innovative Research in Science Engineering and Technology*. Vol. 6, pp. 11256-11265, 2017.

Department of Physics

- **Akkera, HS** and Kaur, D. Effect of Cr addition on the structural, magnetic and mechanical properties of magnetron sputtered Ni-Mn-In ferromagnetic shape memory alloy thin films, ***Applied Physics A-Materials Science & Processing***, Volume: 122 Issue: 12 Article Number: 996 DOI: 10.1007/s00339-016-0528-3 Published: DEC 2016.
- Harish Sharma Akkera, **Nallabala Nanda Kumar Reddy**, Musalikunta Chandra Sekhar, "Thickness Dependent Structural and Electrical Properties of Magnetron Sputtered Nanostructured CrN Thin Films", DOI: <http://dx.doi.org/10.1590/1980-5373-MR-2016-0786>, *Materials Research*, 20 (2017) 712-717.
- J. P. B Silva, **K. Kamakshi**, K. C. Sekhar, X. R. Nóvoa, E. Queirós, Joaquim Moreira, Abílio Almeida, Mário Pereira, Pedro Tavares, and Maria Gomes, "Light controlled resistive switching and photovoltaic effects in ferroelectric 0.5Ba(Zr_{0.2}Ti_{0.8})O₃-0.5(Ba_{0.7}Ca_{0.3})TiO₃ thin films", *Journal of the European Ceramic Society*, Vol. 37, 583 - 591 (2017) I.F:3.010.

- **Usha Mandadapu, S. Victor Vedanayakam,** K. Thyagarajan, "Numerical Simulation of $\text{CH}_3\text{NH}_3\text{PbI}_3\text{-XCl}_x$ Perovskite Solar Cell Using SCAPS-1D" *International Journal of Engineering Science Invention*, Vol II, Issue 9, p 42-45, March 2017.
- **Usha Mandadapu, S. Victor Vedanayakam,** K. Thyagarajan, "Simulation and Analysis of Lead based Perovskite Solar Cell using SCAPS-1D", *Indian Journal of Science and Technology*, Vol 11, Issue 10, March 2017.
- **Usha Mandadapu, S. Victor Vedanayakam,** K. Thyagarajan, "Effect of temperature and irradiance on the electrical performance of a pv module" *International Journal of Advanced Research*, Vol - 5, Issue 3, March 2017.
- J. P. B. Silva, F. L. Faita, **K. Kamakshi,** K. C. Sekhar, J. A. Moreira, A. Almeida, M. Pereira, A. A. Pasa, and M. J. M. Gomes, "Enhanced resistive switching characteristics in Pt/BaTiO₃/ITO structures through insertion of HfO₂:Al₂O₃ (HAO) dielectric thin layer" *Scientific Reports*, (2017) I.F: 5.228, (7:46350 | DOI: 10.1038/srep46350)

Conferences/Seminars/Workshops/ Faculty Development Programs Attended

Department of CE

- Mr. N. Amaranatha Reddy attended a 'Two-day National conference on Highways Construction Technology' at Hyderabad International Convention Centre, from 14 -15 July 2016.
- Mr. Sanjay Kumar A C attended an workshop on "Structural Steel Design focused on connections and special topics at IIT, Hyderabad" from 20 - 25 March 2017

Department of EEE

- Mr. M. Jagadeesh Babu and Mr. S. Arun attended a UGC sponsored workshop on "Embedded System Design using TI MSP430" from 24-25 June 2016 organized by Department of ECE, JNTUA-CEA in collaboration with Sapience Consulting under the Texas Instruments India University Program.
- Mr. M. Subba Rao and Mr. B. Chandrasekhar attended a 'One-day National Workshop on IUCEE – EPICS Program' at MLR Institute of Technology, Hyderabad on 6 July 2016. Dr. William Oakes, Purdue University, USA, was the resource person.
- Mr. K. Vasu attended a one-day workshop on "Crafting Powerful Questions"
- Mr. K. Manjunath, Mr. K. Vasu, Mr D. Chinnakullay Reddy and Mr K. V. Sateesh Babu attended a workshop on "Recent Developments and Research Challenges in Distribution Generation and Microgrid at MITS, Madanapalle" from 13 - 17 December 2016.

- Dr. Rajangam K., Dr. R. Rajkamal, Mr. Rayudu Peyyalla, and Mr. V. Ajay (from the Department of ME) attended 'An Advanced Training Programme on Energy Efficiency' organized by Confederation of Indian Industry (CII), Hyderabad from 28 - 29 July 2016.
- Dr. A. Anbarasan and Mr. K.V. Satheesh Babu attended a two-day conference and exposition on "Energizing South 2016: Smart – Reliable – Sustainable Power" organized by Confederation of Indian Industry (CII) from 22-23 August 2016 at Bangalore.
- Dr. A. Sudhakar and Mr K. Arulkumar got certified in "Deshya Technologies Online Certification Course on Power Electronics Part - A" from 24 January - 17 March 2017.
- Dr. B. Ramakumar, Dr. P. Chandra Babu Naidu and Dr. M. Vaigoundamoorthi attended a workshop on "MHRD's National Mission for Teachers and Administrators Management Capacity Enhancement Program (MCEP) at Indian Institute of Management (IIM), Indore " from 2 - 8 February 2017.
- Dr. R. Rajkamal attended a workshop on "Induction Motors, Electrical Drives, SIMOCODE & SIMARIS organized by APSSDC – Siemens at VVIT, APSSDC COE, Guntur" from 15 - 20 May 2017.
- Dr. S. Mohan Krishna, Mr V. Gunasekaran and Mr V B Thurai Raaj attended a workshop on "Internet of Things at NIT Warangal" from 5 - 10 June 2017.
- Mr. K. Arulkumar attended '2016 IEEE 6th International Conference on Power and Energy' at Hatten Hotel, Melaka, Malaysia on 28 and 29 November 2016. The objective of the conference was to share the latest research in the areas of electrical power, power electronics, electrical drives, renewable energy and control systems.
- Dr. A. Anbarasan, attended a IonIdea-sponsored ICTIEE 2017 workshop on "Outcome-based Education Platform" at Vardhaman College of Engineering, Hyderabad on 6 January 2017.
- Dr. Rajendraprasad Narne attended a "Management Capacity Enhancement Program" at Indian Institute of Management, Indore during 2- 8 February 2017.
- Dr. A. Anbarasan, R. Jayaprakash attended 'The Third International Conference on Electrical, Electronics & Computer Engineering on Supplementary Electrical Power Generation from Waste Heat Recovery" at Vivekananda College of Engineering for Women (Autonomous), Tiruchengode, Tamil Nadu during 8-9 March 2017.

- Dr. Rajendraprasad Narne attended a faculty development program on “Induction Motors, Electrical Drives, SIMOCODE & SIMARIS” organized by APSSDC - SIEMENS at VVIT, APSSDC COE, Guntur during 15- 20 May 2017.
- Dr. A. Anbarasan participated in the “Advanced Training Programme on Energy Conservation and Management” organized by CII-Godrej GBC at Hyderabad during 29- 30 June 2017

Department of ME

- Dr. L. John Baruch and Dr. S. Babu attended a ‘Two-day Advanced Workshop on Patent Drafting and Patent Protection’ at VR Siddhartha Engineering College, Vijayawada from 13-14 July 2016.
- Mr S. Kareemulla, Mr S. Krishna Chaitanya, Mr S. Vinoth Kumar, Dr T. Vishnuvardhan, Mr U. Nagaraju, Mr V. Ajay, Mr V. Girish Chandran, Dr Vijesh V Joshi, Mr P. Megha Shyam, Mr P. Venkataramana, Mr S. Praveen Kumar, Mr A. Bhargav, Mr V. Srinivasulu, Mr C. Bilhan Reddy, Dr C. K. Sreenivasa, Mr I. Arun, Mr K. G. Sudhakar, Mr Manu Ravuri and Mr Prasanth Kumar Mohantha attended a workshop on “Autodesk Nastran In-CAD at MITS, Madanapalle” from 28 November to 3 December 2016.
- Dr. Ch. Srinivas Rao attended one-day workshop on “Crafting Powerful Questions” conducted at JNTUA, Ananthapuramu on 16 July.
- Dr. A. Bala Raju attended a ‘Three-Day International Conference on Advances in Materials and Manufacturing (ICAMM-2016)’ from 8 to 10 October 2016 at Lenion Resorts, Hyderabad and presented a paper entitled “Response of semi-independent Versus Fully Independent Suspended Vehicles”.
- Dr. Manvendra Tiwari attended a workshop on “*Experimental Approach in Analytical Electrochemistry*” at Chemical Engineering Dept. MNNIT Allahabad in association with “KANOPY TECHNO SOLUTIONS PVT. LTD”, IIT Kanpur on 28 January 2017.
- Dr. A. Bala Raju attended the 1st International and 18th National ISME Conference on Mechanical Engineering: Enabling sustainable development, (ISME-2017) under TE-QIP-II from 23 to 25 February 2017.
- Prasanta Kumar Mohanta attended the 5th National Conference on “*Wind Tunnel Testing*” on 16 and 17 March 2017.
- P. Mohammed Rizwan Ali attended an FDP on CATIA V5 in Mechanical Engineering APSSDC 7 on 12 March 2017.

- Dr. Manvendra Tiwari attended a “National Workshop on *Emerging Trends in Mathematical Modeling and Computing*” (ETMMAC-2017) R&C, MNNIT Allahabad from 23 to 25 March 2017.
- Dr Manvendra Tiwari attended a National Seminar on “*Soft Computing in Bio- science and Bio Engineering,*” R&C, MNNIT Allahabad 22nd March 2017.
- Dr Kirana Kumara P attended a one-week workshop on Design & Simulation using NX conducted by APSSDC from 15 to 20 May 2017.
- Dr. R. Prithvirajan and Dr. S. Baskaran attended a workshop on SERB School on Mechanical Testing conducted by Department of Materials Engineering- Indian Institute of Science (**IISc**), Bangalore from 22 to 31 May 2017.

Department of ECE

- Dr. S. Rajasekaran, Dr. K. Sathesh, Dr. G. Harikrishnan, Ms. C. K. Hemantha Lakshmi, Mr. J. T. Pramod, Mr. P. R. Rathna Raju, Mr. M. Venkata Srinu, Mr. R. Ravindraiah, Mr. G. Subbarao, Mr. V. Satish Kumar, Mr. B. Vamsi Krishna, Mr. U. Sreenivasulu, Mr. M. Karthikeyan, Mr. D. Girish Kumar and Mr. G. Sambasiva Rao attended a workshop on “Smart Antenna Design & Analysis for MIMO Wireless Systems at MITS, Madanapalle” from 19 – 24 September 2016.
- Dr M Thamarai, Professor & HOD, along with Mrs. M Prathiba, SAO(G) and **Ms. N Keerthi, Executive Director MITS** attended a three-day ‘12th FICCI Higher Education Summit 2016’ from 10 to 12 November 2016 at Vigyan Bhavan, New Delhi. This program was organized by the Federation of Indian Chambers of Commerce and Industry. The theme of the program was “**Education for Tomorrow: Learn in India- Learn for the World**”.
- Dr. Gautam Narayan attended a workshop on “Nano sensors: Design, Principles and Applications conducted by Department of Chemistry at Indian Institute of Technology - Hyderabad (IIT-H), Kandi, Sangareddy, Medak district, Telangana.” from 3 – 7 December 2016.
- Dr. M. Thamarai and Dr. Ravi Srinivasa Rao attended a workshop on “9th Management Capacity Enhancement Program conducted by IIM Trichy at Chennai campus” from 6 – 10 February 2017.
- Mr. S. Javeed Hussain and Mr. M. Sreenath Reddy attended a one-week FDP on “Internet of things” conducted by NIT Warangal from 5 – 10 June 2017.
- Dr S Solai Manohar, Professor, ECE, Dr K Rajangam, Assoc Professor, EEE, Dr. A Senathipathi and Dr. K. Seeni Meera, Asst Professors, Chemistry, MITS 3rd QS Summer School Summit ITC Grand Chola Hotel, Chennai sponsored by TEQIP – II from 5 to 8 December 2016.

- Dr. P. Jothibaslu attended a one-week workshop on 'Internet of Things' sponsored by MHRD and conducted by National Institute of Technology Warangal from 8 to 13 May 2017.
- Mr. S. Md. A. Ansari and Mr. D. Raghuram attended a faculty improvement program (FIP) on "Industrial Automation – Siemens" by APSSDC during 15- 20 May 2017.
- Dr. Sumit Kale attended a two-week faculty development program (FDP) on "Digital VLSI Circuit Design" from 3 to 12th June 2017 at Department of ECE, Mr. M. Jagadeesh Babu attended a one-week FDP on Internet of Things, conducted by NIT Warangal from 5 to 10 June 2017.
- Mr. L. Ashok attended a one-week FDP on 'Internet of Things' conducted by NIT Warangal from 5 to 10 June 2017.

Department of CSE:

- Mr. D. Kasi Viswanath attended a workshop on "Pattern Drafting & Patent Protection Strategies at Confederation of Indian Industry, Vijaywada" from 13 – 17 July 2016
- Dr. V. Thiruppathy Kesavan and Dr. V. C. Bharathi attended a workshop on "Effective Utilization of Cloud Technology at AUCE, Vishakapatnam" from 18 – 22 July 2016
- Dr. V. Bhoopathy and Mr. G. Sreenivasulu attended a workshop on "Outcome Based Learning at BITS Pilani, Hyderabad" from 26 - 30 August 2016
- Dr. K. Venington, Mr. C. Narasimha and Ms. M. K. Nageswari attended a workshop on "Android Developer Fundamentals at APSSDC, Ananthapur" from 6 – 10 September 2016
- Dr. R. Kalpana, Dr. M. Sreedevi, Dr. S. Babu, Dr. V. Hanuman Kumar and Mr. G. J. Kumar attended a workshop on "IoT Application Development in Cloud Platform (IoTADC) at MITS, Madanapalle" from 19 - 24 September 2016
- Mr. G. Hemanth Kumar Yadav, Ms. R. Praveena and Mr. V. Saiseshagiri attended a workshop on "Cloud Computing at APSSDC, Ananthapuramu" from 22 - 26 September 2016
- Mr. C. Narasimha and Mr. M. Kiran Kumar, attended an International Short Term Course on **Mobile Systems Security** under GIAN (Global Initiative of Academic Network), an initiative of MHRD, Govt. of India organized during 21- 25 November 2016 at MNIT Jaipur.
- Mr. YCA Padmanabha Reddy and Mr. D. Kasi Viswanath attended NASSCOM Train the Trainers (ToT) Module-III program jointly organized by APSSDC and NASSCOM at JNTU Kakinada Campus, Kakinada from 14 to 18 December 2016.

- Mr. B. S. H. Shayeez Ahamed, Mr. P. Venkata Sai Chandrakanth and Mr. Wilson Thomas attended a workshop on “IBM Business Analytics at APSSDC, Tirupathi” from 21 – 26 November 2016
- Dr. P. V. Venkateswara Rao and Mr. S. Vikram Phaneendra attended a workshop on “Simulation of Wireless Communication using NetSim at AUCE, Vishakhapatnam” from 16 – 22 February 2017
- Dr.V.Thirupathy Kesavan attended an “International Conference on Transformations in Engineering Education” at Vardhaman College of Engineering, Hyderabad from 6 to 8 January 2017.
- Mr. YCA. Padmanbha Reddy presented a paper on “Semi-supervised single-link clustering method” at ICCIC 2017(Computational Intelligence and Computing Research) on 8 May 2017 (IEEE Publishers) in Chennai.

Department of Physics

- Dr. A Harish Sharma and Dr. N. Nanda Kumar Reddy attended the International Conference of Young Researchers on Advanced Materials (IUMRS-ICYRAM 2016) organized by Indian Institute of Science, Bangalore under the aegis of MRSI.
- Dr. Virendra Kumar Verma attended a “Management Capacity Enhancement Program” organized by **IIM-KOZHIKODE** from 5 to 10 December 2016.
- Dr. K. Upendra Kumar, Dr. K Kamakshi and Dr. N. Mohan attended a workshop on “Induction Program for the newly joined faculty at MITS, Madanapalle” from 5 – 16 June 2017
- Dr. K Upendra Kumar and Mrs G Sowjanya attended and presented a papers at a three day “**International Conference on Materials Processing and Applications - IC-MPA-2016**” organized by the Centre for Crystal Growth, SAS, VIT University, Vellore in collaboration with Akita University, Japan. The objective of this conference was to facilitate and encourage the exchange of knowledge and experience among different communities.
- Dr. Upendra Kumar K. attended a National Conference on Critical and Strategic Materials for Advanced Technologies (**CSMAT 2017**) organized by the Rare Earth Association of India (**REAI**) & the Indian Society of Analytical Scientists (**ISAS**), Munnar, Kerala from 9 to 11 March 2017.

Department of Mathematics

- Dr M Sudhakar Reddy, Asst. Professor & HoD, Dept. of Mathematics, Dr. Prasanna-kumar Lakshmi Duvvi, Professor, ME, Dr. C Ravi Kumar, Asst. Prof, MBA, Dr N Ramesh Babu, Research officer, MCA, and Mr. M Kishore, Asst Prof, EEE, MITS attended a ‘Two-Day National Summit on Quality in Education’ on 18 and 19 November 2016 organized by CII – Confederation of Indian Industry at CII Institute of Quality, Bengaluru.

- Dr V. P. Shukla, Dr Rahul Boadh and Dr G. Ramu attended a workshop on “Induction Program at MITS, Madanapalle” from 6 – 14 June 2017

Department of English and Foreign Languages

- Dr. K. Lakshmi Devi attended a workshop on “Reinforcing Professional Communication skills for Teachers organized by Srinidhi Institute of Science & Technology, Hyderabad” from 10 – 14 July 2016
- Dr. B. Rasheeda Begum attended a workshop on “Management Capacity Enhancement Programme (MCEP) organized by Indian Institute of Management (IIM), Indore” from 23 – 29 August 2016
- Dr. Parul Saxena, attended a ‘*Three-Day International Conference on Language, Literature and Culture ‘(ICLLC 2017)’*’ organized by the Institute of Advanced Studies in English Pune from 3 to 5 February 2017
- Dr. G. Hampamma, attended a four-day workshop on “*Self-Awareness and Higher Goals in Education*” organized by Indian Institute of Technology (IIT) Madras from 29 May to 2 June 2017.

Department of Chemistry

- Dr. Logudurai R, Dr. Arunbabu D, Dr. Balaji R, Dr. Selvaganapathi A, Dr. Seeni Meera K, Dr. Nasrin Shaik and Dr. Balaji M attended a workshop on “Induction Program for Newly Joined Faculties at MITS, Madanapalle” from 20 June – 2 July 2016.
- Dr. A Selvaganapathi along with Dr P Chandra Babu Naidu, Sr. Asst. Professor, Dept of EEE, Dr Hanuman Kumar, Assoc. Professor, Dept of CSE, attended a “Three-Day Residential Training Programme on Patent Law & Policy” conducted by Andhra Pradesh Human Resource Development Institute (APHRDI) (Govt. of Andhra Pradesh), Bapatla, Guntur District, from 21 to 23 November 2016.
- Dr. R Logudurai, Dr. Balaji Ramanujam, and Dr. Gautam Narayan attended a ‘Five-day Workshop on Nano Sensors: Design, Principles and Applications under TEQIP-II’ conducted by Department of Chemistry, IIT Hyderabad during 3 - 7 December 2016.
- Dr. Balaji R. attended a “**National Conference on Emerging Issues in Green Chemistry: Possible Alternatives**” organized by Department of Chemistry, Sanskrithi School of Engineering Puttaparthi on 24 March 2017.
- Dr. Balaji R. attended a national workshop on “**Ranking Masterclass**” organized by CL Educate Ltd, The Park Hotel, Chennai, on 12 June 2017.
- Dr. Balaji R. attended a “**National Conference on Emerging Issues in Green Chemistry: Possible Alternatives**” organized by Department of Chemistry, Sanskrithi School of Engineering Puttaparthi on 24 March 2017.

- Dr. Balaji R. attended a national workshop on “Ranking Masterclass” organized by CL Educate Ltd, The Park Hotel, Chennai, on 12 June 2017.

Department of MCA

- Mrs. A R Pavani attended a workshop on “Management Capacity Enhancement Program at IIM Indore” from 23 – 29 August 2016
- Mr. K. Chokkanathan, Dr. C. Yuvaraj, Principal & Mr. J. Saravanababu, Senior Placement Officer, attended a one-day workshop on Creating Roadmap for Innovation and Incubation Centres in AP Educational Institutions, organized by ITE&C department on 19-10-2016 at Gateway Hotel in Vijayawada.
- Dr. R Senthil Kumar & Dr. M. Jayakameswaraiah attended a three-day faculty development programme on “IBM CERTIFIED APPLICATION DEVELOPER-CLOUD PLATFORM” organized by the Dept. of Information Technology, Sree Vidyanikethan Engineering College (Autonomous), Tirupati, sponsored by IBM from 14 to 16 November 2016.
- Dr. N. Naveen Kumar attended a workshop on “Management Capacity Enhancement Program at IIM Udaipur” from 13 – 18 February 2017
- Dr. S.V.S. Gangadevi attended a Faculty Development Program on “Big Data Analytics and Internet of Things at NIT Warangal” from 22 – 31 May 2017
- Dr. R Senthil Kumar and Dr. V. L. Pavani attended a workshop on “Faculty Induction Program at MITS Madanapalle” from 5 – 16 June 2017

Department of Management Studies

- Mrs. Gayatri Ramesh Garu and Ms. N. Keerthi – Executive Director MITS, Mr. V. Maruti Prasad, Sr. Manager Communications, Dr. C.V. Krishna, Assistant Professor, attended a ‘Two-Day Brand Summit, organized by CII at TAJ Vivanta, Bengaluru on 21 and 22 October 2016. The main objective of the Summit was to throw insights into the branding and brand building of leading national and international brands.
- Dr. R. Vara Prasad and Mr. Ganjendra Sharma, Asst. Professor (Department of ECE) attended ‘CII Entrepreneur Conference on Innovation: Transforming Ideas to Business’ at Hotel Park Hyatt, Hyderabad on 9 December 2016.
- Dr. Varaprasad attended an international conference - ***Ishik Business and Administrative Science Student Conference IIBASSC’2017*** on a study on predicting future prices using technical analysis of FMCG companies listed in NSE India organised by Education and Academia on 21 May 2017 at Irbil, **Iraq**.
- Dr. Chandrakanata Sahoo attended a AICTE approved short term course on “HR Analytics - Hands on Training, at IIT Khargapur” from 5 – 11 March 2017

Student News

Placement News: Over 100 students got placed in reputed companies.

S.N.	Company Name	Event Date	Salary (LPA)	CSE	ECE	EEE	MECH	MBA
1.	VENDEXT (INTERNSHIP)	20-7-2016	2.5					30
2.	CAPGEMINI	16-9-2016	3	13	22	2		
3.	NIT DTA	24-9-2016	3	8	8			
4.	DIVUM	24-7-2016	2.4	3				

- The following B. Tech, ECE students were shortlisted by the Stanford University's Hasso Plattner Institute of Design for the University Innovation Fellow (UIF) programme - Spring 2017.

Spring 2017 Fellows:

Suchitra Nidiginti - 14691A04I8

Kollu Nishkala - 14691A04C1

Manasa Kakarla - 14691A04K6

University Innovation Fellows - Silicon Valley Meetup, March 2017:

The following students from ECE, MITS attended the Silicon Valley Meetup:

Ms. Suchitra N - 14691A04I8

Ms. K Nishkala - 14691A04C1

Ms. Manasa K - 14691A04K6

Mr. Sai Kiran Kumar Reddy Y - 14691A04G2

Mr. Charan Sai P - 14691A0432

Mr. Sameer Ahmed M N - 14691A04H0

Nearly 300 Fellows and 30 faculty sponsors from 77 universities in 8 countries traveled to the San Francisco Bay Area on March 9-13, 2017, for the UIF program's signature event, the Silicon Valley Meetup. Attendees took part in immersive experiences at Stanford University's D. School, Google, Microsoft and other Silicon Valley organizations. The Meetup was the culmination of the 6-week, video conference-based online training for Fellows who joined the program in Fall 2016 and Spring 2017.

- UIFs meet with the Chief Minister:**

The University Innovation Fellows (Stanford University) had a meeting with the Honorable Chief Minister of Andhra Pradesh Sri. N. Chandrababu Naidu organized by APSSDC

APSSDC at Amaravati on 27 April 2017. Sri Kollu Ravindra, Minister, Skill Development, Andhra Pradesh; Dr. N. Vijaya Bhaskar Choudary, Secretary & Correspondent, MITS; Dr. B. Rama Kumar, Vice Principal (Academics) MITS; Sri. Ganta Subbarao, Director, APSSDC, and other delegates attended the meeting.



Honorable Chief Minister of Andhra Pradesh Sri. N. Chandrababu Naidu Congratulating MITS Students on visiting Stanford University as part of University Innovation Fellowship Program

Placement News:

32 students from **2014-18 batch** (salary in LPA: 2.2 to 5) got placed in multinational companies in April and May 2017.

Sports Activities

Events Organized (Inter College & Intra-College Tournaments)

S.N O	DATE	EVENT DETAILS	GAME / SPORT	CATEGO- RY	NO. OF PARTICI- PANTS	REMARKS
1	08/04/ 17 To 12/04/ 17	Annual Day Sports 2017	200m,800m,Long jump, shotput, & Javelin Throw	Men	150	Program organized by Dept. Of Physical Education
		Best Sportsmen Award 2017 (Men) G.Mahesh – (Volleyball) Best Sportsmen Award 2017 (Women) G.Bhavya sree –(Basketball)				Recognized with cash award & certificate.
2	27/03/ 17 To 07/04/ 17	Intramural Sports 2017	200m,400m, Long jump, Discuss throw & Javelin Throw	Women	420	Prizes Distributed on Annual Day 2017 Celebrations.
			Cricket, Volleyball, Kabaddi, Throw-ball& Tennikoit	Men & Women		

Industry visit

- Dr. Ch. Rama Prasada Rao, Dean, Industry Institute Interaction Cell, visited to Southern Region Farm Machinery Training and Testing Institute (SRFMTI), Garladinne on 8 July 2016.

- Faculty from the department of Civil Engineering II and III year students visited '**ET ACE TECH-2016**' held at Bangalore International Exhibition Center, Tumkur Road, Bangalore, from 22 to 23 October 2016. The main purpose of this industrial visit is to help students gain first-hand information regarding the various state-of-the-art engineering materials and technologies available in the construction industry.
- Organized a one day industrial visit to water and sewage treatment plant, Tirupati for the III Year B.Tech –Civil Engineering students on 20 October 2016. Dr. D. Sita Reddy and Mr N Venkata Ramana were associated with students as faculty coordinators.
- Dept. of ME faculty (Mr. Rayudu Peyyala, Associate Professor; Dr. T. Vishnuvardhan, Associate Professor; Mr. Venkataramana. P, Assistant Professor; Mr. V. Ajay, Assistant Professor) and 80 (Final Year) students visited Mangal Industries Ltd, Puthalappattu, Chittoor Dist. on 7 October 2016.
- A one-day Industrial Visit to Wind Power Project, Rekulakunta was organized for the II Year B.Tech – EEE & I M.Tech E.P.S students on 23 December 2016 under ISTE Students Chapter. **Mr D Chinna Kullay Reddy & Mr. G Ravi Prakash** from EEE Department were associated with students as faculty coordinators
- Mr. G. Ravi Prakash, Department of EEE, organized an industrial visit to Rayalaseema Thermal Power Project at Muddanur for EEE-III students on 21 Jan 17.
- ECE I.B.Tech, II-Semester students visited National Atmospheric Research Laboratory (NARL), Dept. of Space, Govt. of India, Gadanki on 7 April 2017.

Community Service Programs

- The students of MITS, Madanapalle, along with Dr N. Kumaraswamy, Dean RRC as well as other faculty members visited '**Sri Chowdesari Old Age Home**' located at Vayalpadu, Chittoor district on 24 July 2016 to donate food to all inmates as part of a tour on practical ethics. The purpose of the visit was to invoke the mind-set of students to realize the hardship of life, and to bring awareness on the importance of elderly people in one's life and to know the joy of serving and being with them.

NSS Activities

- Madanapalle Institute of Technology & Science NSS wing and Eenadu organized plantation program (Vanbharati) in college premises on 12 July 2016 and stood first.
- Dr. K. V. V. Raaju Program officer NSS went with the students to Sangam function hall to observe the survey program. The Government of Andhra Pradesh has launched

- launched Smart Pulse Survey (SPS) for enhancing quality of services and benefit programs in two phases starting from 6 July 2016 to 31 July 2016 and again from 6 August 2016 to 15 August 2016 in the entire state. Mr. M. Viswanath, Madanapalle Municipal Commissioner, visited our college on 6 August 2016 and trained all our students in mini seminar hall.
- 'Quit India Day' was observed on August 9 2016 to mark the anniversary of quit India movement.
- NSS CELL & Department of Physical education and sports department organized 70th Independence Day celebrations (Freedom Rally and sporting) events on 19 **August 2016.**
- Vice principal Dr. G. Hampamma started the rally with a green flag and NSS program officer gave patriotic slogans. Physical Director R. Rajesh Williams with his students participated in the rally with great enthusiasm and spirits. Students also carried a banner and national flags to focus on the theme of 'YAAD KARO QURBANI'. The rally started from the college and reached **Angallu** centre and the students made a 'MANAVAHARAM' and uttered loudly the patriotic slogans showing patriotism.
- NSS Cell – MITS celebrated **Gandhi Jayanti** and **Swachha Bharat** on 2 October 2016. Dr. C. Yuvaraj - Principal MITS conveyed his wishes to all the staff members and advised students to take those who scarified their lives for the sake of the country. All the volunteers, after the program, participated in Swachha Bharat program and cleaned the MITS campus.
- NSS Cell – MITS celebrated Global Hand Washing Day (an annual global advocacy day dedicated to create awareness and understanding about the importance of hand washing with soap as an easy, effective, and affordable way to prevent diseases and save lives) on 15 October 2016.
- NSS Cell in collaboration with IEEE SAC AZAP – MITS organized Dr. A.P.J. Abdul Kalam's birthday celebration on 15 October 2016. Dr. C. Yuvaraj – Principal MITS, along with other officials paid tribute to Kalam. Dr. G. Hampamma, Vice principal - Administration spoke about the life of APJ Abdul Kalam and about his simplicity. The teaching and non-teaching staff and Heads of the departments also participated in the event.
- NSS Cell celebrated Rastriya Ekta Diwas (National Unity Day) and Rastriya Ekta Sapthah from 31 October 2016 to 6 November 2016.
- NSS Cell organized 'National Education Day' on 11 November 2016.
- Organized 'World Aids Day Awareness Rally' on 1 December 2016.
- NSS & NCC – MITS took out a rally on '**Cashless Transactions**' on 13 December 2016

NCC Activities

NCC – MITS set up a **Trekking Camp** on 29 January 2017 at Horsley Hills. All 32-NCC cadets attended this camp. The cadets walked more than 8 km. to reach the hill. The NCC instructor and PI Staff gave instructions to the cadets on weapon training, disaster management and personality development.

Events Conducted

MITS organized an Orientation Programme for the newly admitted B. Tech students on 11 July 2016. The Principal delivered inaugural speech highlighting policies, principles, amenities, and achievements of the college. The vice principal insisted on utmost importance to discipline and responsibilities of parents. All the Heads of the Departments demonstrated their academic achievements by assuring the best academic performance to the students. Further, they explained as to how to explore opportunities to be successful in their respective fields. The Training and Placement Officer advised the students to actively participate in training programs conducted at regular intervals on campus for their successful career.

- TALENT mentoring program was conducted by departments of CSE, ECE in association with Industry Institute Interaction Cell for final year and pre-final year students for three days from 18 to 20 July 2016. The resource person of this program was Dr. Gowdara Pandu, Co-Founder & Chief Talent Mentor, TALENT Mentoring LLP Company.
- A session on the awareness of education loans was conducted on 30 August 2016 for the 1st year B. Tech/M. Tech/MBA and MCA students. The managers of 'Vijaya Bank and IDBI Bank' of Madanapalle branch for provided detailed information to our students.
- MITS hosted National Youth Festival sponsored by the Government of India on 16th-November 2016. The newly appointed Sub-Collector Ms. Vetri Selvi Madanapalle division was the chief guest. Dr. C. Yuvaraj, Principal MITS, was a special invitee to the program.

CRESCENDO - 2017:

- Dept. of Management Studies & Dept. of Computer Applications organized a '**One- Day Graduates' Meet- the Crescendo 2017**' with an overwhelming response and participation from around 700 college students from more than 30 colleges from around the Rayalaseema region on 4 February 2017.

Ashv-The race of Talent@17

A two- day National Level Techno Cultural Sports Fest was celebrated on 22 and 23 February 2017 on MITS campus.

Alumni Meet

1. Team Illuminatus organized an interaction session with an alumnus- an expert in EDA (Electronic Devices Automation), for ECE Department III B. Tech. students on 3 April 2017. Mr. Praveen Kumar Nukala, Sr. Chief Engineer, DXCorr and Mr. Srikanth Reddy, Sr. Chief Engineer, DXCorr. were the resource persons. Objectives of the session were to understand the usage of '**C Language**' to program algorithms and implement the same using Verilog Hardware Description Language and to get awareness on the core job opportunities and the required skillset to get placed in core industries.
2. Team Illuminatus organized an interactive session "**Creating Apprehension about GGK Technologies**" with the alumni who got placed in the GGK Technologies with the students of III ECE on 4 April 2017. Guest Speakers for the session were Ms. Bhavitha and Mr. Mastan. Objectives of the interactive session were to motivate the students, create awareness regarding the job roles and the kind of platforms where alumni worked in GGK Technologies.

Inauguration of Physics Research Laboratory (PRL):

Dr. C. Yuvaraj- Principal MITS Madanapalle inaugurated Physics Research Laboratory on 21 January 2017.

Department of **Physics** celebrated **31st National Science Day** on 28 February 2017 to mark the discovery of the Raman Effect by the **Indian Physicist Sir C V Raman** on this particular day in 1928. The Govt. of India has announced a particular theme for it and the current year theme is "**Science & Technology for Specially Abled Persons**".

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

UGC - Autonomous

About MITS

Madanapalle Institute of Technology & Science (MITS) is a highly promising destination for Engineering, Management and Computer Application studies in India. The Educational Academy, is now under the proactive leadership of President Sri. N. Krishna Kumar M.S. (U.S.A), and Secretary & Correspondent Dr. N. Vijaya Bhaskar Choudary, Ph.D.

MITS is committed to achieving sustainability and takes action in the light of national and global challenges. MITS continues to nurture a culture of sustainability through learning, teaching, research, partnerships and industry collaboration.

Vision

To 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.



AICTE APPROVED
INSTITUTE



NATIONAL BOARD
OF ACCREDITATION
CSE, ECE, EEE, MECH & MBA



ज्ञान-विज्ञान विमुक्तये
UGC 2(f) & 12(B)



Permanent Affiliation
from JNTUA



Accredited By NAAC



ISO 9001:2015
Certified

Programs Offered

B.Tech. Programs (Eligibility: 10+2)

- Civil Engineering (CIV)
- Computer Science & Engineering (CSE)
- Electronics & Communication Engineering (ECE)
- Electrical & Electronics Engineering (EEE)
- Mechanical Engineering (MEC)

M.Tech. Programs (Eligibility: 10+2+4)

- Advanced Manufacturing Systems
- Computer Science & Engineering
- Digital Electronics & Communication Systems
- Electrical Power Systems
- Structural Engineering

Management Program (Eligible: 10+2+3/4)

- Master of Business Administration (MBA)

Computer Applications Programs

- Master of Computer Applications (Eligible : 10+2+3)
- Master of Computer Applications (2nd Year Direct)
(Eligible : 10+2+3[BSc(Comp)&BCA])

Ph.D. Programs

- Electronics & Communication Engineering
- Computer Science & Engineering
- Electrical & Electronics Engineering
- Mechanical Engineering
- Management Sciences
- English, Mathematics, Physics, Chemistry

Madanapalle Institute of Technology & Science

UGC-Autonomous

Madanapalle – 517325, Chittoor Dist, Andhra Pradesh, India.

Ph: 08571 – 280255, 280706, Fax: 280433

Email : admissions@mits.ac.in

For Admissions :

9052077747/8008570-076/678/685/676/9100973382/9100600668

For International Admissions :

+91-9100907-314/315/ +977-9827179466



126 km from Bangalore International Airport
131 km from Tirupathi International Airport
258 km from Chennai International Airport

