



DEPARTMENT OF ELECTRONICS ENGINEERING

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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NEWSLETTER

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HOD MESSAGE:

The department of Electronics Engineering was established in 1981. The department offers two UG with the intake of 120 and 60 students and two PG programmes with the intake of 18 students in M.Tech Microwave and intake of 25 in M.E. CCN. The faculties are actively engaged in research in the area of Image Processing, Communication, Microwave and Antenna Theory. They have published numerous papers in National and International Journals. The alumni have secured their places in the higher echelons of the society and technical world.

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VISION

To create world class quality electronics engineers and technocrats capable of providing leadership in all spheres of life and society

MISSION

- To provide quality education in technical and allied disciplines.
- To organize and arrange innovative courses in Electronics Engineering.
- To arrange vocational courses in the upcoming fields and innovative subjects to meet global advancements
- To promote research in the fields of technology and science

EXPERT TALK:

- An expert talk on “Industrial Internet of Things (IoT)” by Er. Ashutosh Chincholikar, Business Head, Smart Control India Limited, Banmore was organized on 3rd August 2019.

He gave insights about Industrial Internet of Things (IoT). The Industrial Internet of Things is a strategic priority for manufacturing companies as it allows them to give more value to their customers as well as improve cost-efficiency of their internal operations.



Expert talk by Er. Ashutosh Chincholikar



Expert talk by Er. Ashutosh Chincholikar

Smart features become a major selling point for modern industrial equipment, not the least because simplifying field service and reducing TCO (Total cost of Ownership) for the customer. He also motivated the students toward entrepreneurship. It was very helpful and interactive session for students.

- An interaction session/ expert talk by Er. Gaurav Tripathi, Sr. Enterprise Architect, HCL Technology, Noida was organized by the department on 27th September 2019. The talk was focused on how to improve software - knowledge/ skills for getting jobs in Software Companies. It was the very interactive and helpful session for all students.



Expert talk by Er. Gaurav Tripathi

WORKSHOP/SEMINAR/FDP:

A workshop on “Optical Fiber Communication and Applications” was organized by the department on 07th September 2019. The expert for this workshop was Dr. Yogendra Kumar Prajapati, Associate Professor, Electronics and Communication Engineering Department, MANIT, Allahabad (U.P.). 50 participants (16 from other institutes and 34 faculty/PG students from parent institute) attended the workshop. The main objective of the workshop was to motivate the PG students and faculty members of parent and other institutes to work in field of Fiber Optics. Fiber optical cables have made excellent mediums for telecommunication networks due to their flexibility and durability.



Workshop on “OFC and Applications”



Expert talk by Er. Gaurav Tripathi



Workshop on “OFC and Applications”



Expert talk by Er. Gaurav Tripathi



Workshop on “OFC and Applications”

INDUSTRIAL VISIT:

- Students of B.E. (Electronics and Communication) II year visited the Surya Roshni Ltd., Malanpur on 28th September, 2019 which was arranged by Prof. Madhav Singh, Prof. D. K. Parsediya and Mr. Sujan Jadaun. Total 37 students were visited the industry.



Industrial visit to Surya Roshni Ltd., Malanpur



Industrial visit to Surya Roshni Ltd., Malanpur

STUDENT ACTIVITIES:

- On the occasion of 'Hindi Pakhwada 2019' a Debate competition on "should technical education be in Hindi" was organized by students of EC 2nd year on 20th September 2019. The student's event coordinators were Ritik Jain, Tanishq Gupta and Siddhant Jain.
- AsiMov Robotics club conducted one day workshop on "Python and Robotics" under the membership of Techfest team, IIT Bombay on 28th September 2019.
- Photography club organized event on 27th September 2019.
- Students of art club were participated in creative art and drawing session during the induction program.

- Students of photography club organized event "Focus -3" on 7th September 2019. And event "Syaahi" on 28th September 2019.



Workshop on "Python and Robotics"



Workshop on "Python and Robotics"



Photography club event "Focus -3"



Photography club event "Focus -3"



Photography club event “Focus -3”

STUDENT ACHIEVEMENTS:

- Shashwat Tripathi, EC 2nd year, secured A+ grade in value added course on “programming with Python”.
- Vaibhav Tharwani, EC 2nd year, passed the certificate-C examination in B grade held in 2019 under the authority of Ministry of Defense, Government of India.
- Jitendra Singh and Nikhil Talreja, EC 2nd year got 1st and 2nd position, respectively, in Debate competition on “should technical education be in Hindi”.
- Nancy Gupta and Haushad Gupta coordinated the event Mistsavah.
- Hansikka Jain coordinated the event Focus-3 and Syaahi.
- Antra Pathak attended NCC camp (10th – 19th July 2019) and achieved CDT.



The workshop on “Obstacle Avoider Robot”

IETE ACTIVITIES:

The workshop on “Obstacle Avoider Robot” (14th -15th September 2019) was organized by IETE society, in electronics engineering department , with the support from Dr. Vandana Vikas Thakre , Dr. P.K Singhal, Prof.

Ranveer Tyagi and Prof. Santosh Sharma and in association with Gyanshala. A total of 181 students participated in the workshop, and the winner team was awarded with a cash prize of Rs. 3100 .Students individually or in a team of five members. Each team was provided with a “take away kit”, which they can use for their future experimentation. It was an inter school and inter college workshop.

FACULTY PARTICIPATION (WORKSHOP/FDP):

- Prof. Arpita Singhal, Prof. Shambhu Kumar, Prof. Sourabh Singh Raghuwanshi attended two day National workshop on “Recent Trends in AI, Deep Learning and Its Applications” organized by Computer Science Engineering Department, MITS, Gwalior during 28th to 29th September 2019.
- Dr. Rahul Dubey, Prof. Shambhu Kumar, Prof. Rakesh Kumar Naik, Prof. Chaitanya Dhopate, Dr. Vikas Mahor, Prof. Rishabh Shukla, and Prof. Awadesh Gupta attended one week Faculty Development Program (FDP) on “VLSI Chip Design Hands on Using Open Source EDA” during 08th to 12th July 2019 at IIITM, Gwalior.
- 08 faculty members attended one day workshop on “Optical Fiber Communication and its Applications” on 07th September 2019 at MITS, Gwalior.
- 10 faculty members attended one day workshop “NPTEL Awareness” under TEQIP III in association with IIT Kanpur, on 12/09/2019.

FACULTY ACHIEVEMENTS:

- Dr. Vandana Vikas Thakare delivered a talk on “Artificial Neural Networks and its Applicatons” at SRCEM Banmore. The talk was about utility of Neural Network in the field of technology and science. Concept of deep lerning and machine learning was also introduced.



Expert talk by Dr. V. V. Thakkare at SRCEM

NSS ACTIVITIES/ EVENTS:

- On the occasion of NSS day (24th Sept. 2019), a cultural/ awareness program was organized by Prof. Pooja Sahu and Prof. D. K. Parsediya at bahadurpur village near 23km from MITS campus. Around 50 students were visited to village and performed cultural/ awareness activities.



Nukkad natak on NSS day (24th Sept. 2019)



Interaction with people on NSS day



Drama on NSS day (24th Sept. 2019)



NSS rally on "Benefits of barefoot walking"

- A NSS rally on "Benefits of barefoot walking" was organized by the students of E.C./E.T. on 09th September 2019 from M.I.T.S. main gate to suncity.
- Students and faculty were participated in plantation which was held on 25th August 2019 during the induction program.



Participated in plantation on 25th August 2019

PUBLICATIONS (JULY-SEPT. 2019):

- Poonam Parmar, Rahul Dubey and Karuna Markam, "Proposing a new variable window for better side lobe reduction," International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, pp. Volume-8 Issue-9, pp. 1107 to 1112, July 2019. Scopus Index Journal
- Amita Shukla and R. P. Narwaria, "EEG signal classification for epileptic seizure using MATLAB," International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, pp. Volume-8 Issue-9, pp. 1458 to 1461, July 2019. Scopus Index Journal
- G. Nain, A. Gupta and R. Gupta, "Wavelet based compression DWT Based Compression of ACNE face images with automatic selection and lossless compression of ACNE effected region", Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology (Springer ICSISCET-2019), 2019 International Conference on, Gwalior, India, November 2019. (Accepted)
- G. Sharma, P. Kumar and L. Shrivastava, "An Efficient Performance of Enhanced Bellman-Ford Algorithm in Wireless Sensor Network using K-Medoid Clustering ", Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology (Springer ICSISCET-2019), 2019 International Conference on, Gwalior, India, November 2019. (Accepted)
- D. Batham and D.S. Yadav, "A weight function RSA strategy based on path length and bandwidth demand for static traffic in elastic optical network", Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology (Springer ICSISCET-2019), 2019 International Conference on, Gwalior, India, November 2019. (Accepted)

