

Report on Guest Lecture
“MEMS TECHNOLOGY”

Organised by

Department of Electronics and Communication Engineering

15th February 2019

Organized in association with: **MITSAWA**

Submitted by: **Dr. B Prasanth Kumar. Senior Assistant Professors and •Dr. S. Rajasekaran, Senior Assistant Professors & Head, Department of Electronics and Communication Engineering, MITS**

Resource Person: Mohan Kuntamalla (Alumni of Dept. of ECE, MITS, RTL Design Engineer, CINETRA)

Faculty attended:

- Dr. S. Rajasekaran, Sr. Asst. Professor & Head, Department of Electronics and Communication Engineering.
- Dr. Dr. P. Ramesh Reddy, Alumni Secretary, Assistant Professor, Department of Mathematics.
- Dr. B Prashanth Kumar Sr. Asst. Professor Department of Electronics and Communication Engineering.
- Dr. P. Ramanathan, Vice Principal (Academics)

Students Attended: ECE: 58 Students

Venue: Seminar Hall (South Block)

The department of Electronics and Communication Engineering organised a guest lecture on “MEMS TECHNOLOGY” on 15th February 2019 afternoon. The main objective of this lecture was to bring awareness among Electronics and Communication Engineering students on the research and implementation of MEMS in the broad areas of Electronics and Communication Engineering

Programme Inauguration:

Dr. B Prashanth Kumar. Sr. Assistant Professor welcomed all the dignitaries, faculty and students and expressed his gratitude to the Management and Principal for giving permission and financial support to organize this programme. Dr.S. Rajasekaran, Sr. Asst. Professor and Head of the Electronics and Communication Engineering department addressed the gathering. He briefly explained the motto of the programme. Later, Dr. P. Ramanathan, Vice Principal (Academics), emphasized the importance of research scope in Electronics and Communication Engineering. Next, Dr. P. Ramesh Reddy, Alumni Secretary, Asst. Professor, Department of Mathematics emphasized the importance of this invited talk and congratulated the organizers of the ‘Guest Lecture’ and conveyed his happiness and thanks to the participants.

Session:

The department of Electronics and communication engineering in Madanapalle Institute of Technology and Sciences is not only known for its best academic performance but also for its extra-curricular activities. And as a part of it, the department of ECE conducted a small alumnus talk on **15th February 2019**. To motivate the students and help them to take a right step towards their career. To address this talk, the department of ECE invited one of the alumni's of MITS "**Mr. Mohan Kuntamalla**". He delivered a valuable speech which made the students more confident and made them aware of the skills required by the engineers that an industry is looking for students who have knowledge on, MEMS. He said that the MEMS Technology, Micromechanical systems can be combined with microelectronics, photonics or wireless capabilities new generation of Microsystems can be developed which will offer far reaching efficiency regarding space, accuracy, precision and so forth. Micromechanical systems (MEMS) technology can be used fabricate application specific device. The associated micro packaging systems that will allow for the integration of devices or circuits, made with non-compatible technologies, with a System-on-Chip environment. When MEMS devices are combined with other technologies new generation of innovative technology will created. This will offer outstanding Functionality. Such technologies will have wide scale applications in fields ranging from automotive, aerodynamics, and hydrodynamics, biomedical and so forth. The main challenge is to integrate all these potentially non-compatible technologies into a single working Microsystem that will offer outstanding functionality.

Finally, the department of ECE along with some of dignitaries like HOD of ECE dept, vice-principal academics congratulated him and wished him best wishes for his future.

Mementos Distribution:

Dr. S. RajasekaranRaju, Dr. B. Prashanth Kumar, Dr. P. Ramesh Reddy and Dr. P. Ramanathan, Vice Principal (Academics) felicitated the alumni persons with mementos.