



Applications of MEMS and Patent Rights

The Technical Talk of the academic semester for the year 2016-17 under the Department of E&CE was conducted on 28th October, 2016. The Head of the department Prof. D V Manjunatha welcomed the eminent resource person Dr. M M Nayak, Visiting professor, Indian Institute of Science, (Former Scientist of ISRO), Bangalore. Dr M M Nayak delivered the talk on the topic “Applications of MEMS and Patent Rights”. The talk was started with defining what is MEMS?. Micro-electromechanical systems (MEMS) is a process technology used to create tiny integrated devices or systems that combine mechanical and electrical components. They are fabricated using integrated circuit (IC) batch processing techniques and can range in size from a few micrometers to millimetres. These devices (or systems) have the ability to sense, control and actuate on the micro scale, and generate effects on the macro scale. The talk was elaborated on the evolution, developments, Innovations and applications in the area of MEMS. He mainly emphasized the importance of different testing methods needed while designing the MEMS sensors for the spacecraft applications. He also highlighted the different project opportunities possible in this field. He encouraged students explore the opportunities in this field and promised of any assistance needed.



Fig: Welcoming Dr. M M Nayak, to the AIET Campus



Fig: Talk on Applications of MEMS and Patent Rights

He also highlighted the different FEM tools and software available for purpose of simulation and fabrication. Along with this, professor briefed about the Patents opportunities and rights in this emerging area of MEMS. He also insisted students to get the maximum benefits of the upcoming MEMS laboratory in our institution.

Outcome: Students & Faculty gained the knowledge of patent rights in a MEMS and its various technologies which encourages to take up projects and research in the MEMS area.


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