

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC - AUTONOMOUS)

Report on
A Guest Lecture on Electrical Engineering Projects
Organized by Dept. of EEE- MITS
04-05 October 2016



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A two-day guest lecture on 'Electrical Engineering Projects' was conducted by the Department of EEE for III B. Tech students on 4th and 5th of October, 2016. Dr. I. Gopinath, Former Scientist, ISRO, was the resource person of this program. The main objective was to create awareness on electrical engineering projects.

During the lecture the following topics were covered:

- Thermal Power Generation Plant - Concept And Working Principles.
- Ultra Capacitors- New Generation Energy Storage Devices And Applications.
- Crystal Cells-Long Duration Energy Storage Devices And Demonstration Of Development Of Crystal Cell.

Day 1:(04-10-16)

Dr. I. Gopinath demonstrated on various equipments in Thermal power plants. He explained different types of energy such as kinetic, potential, electro chemical, electromagnetic etc., with different real time examples; different parameters such as performance, cost effectiveness, reliability and efficiency with respect to generation of electrical energy.

Day 2: (05-10-2016)

He discussed the design of ultra capacitors and its future scope. He encouraged the students to design a capacitor in real time situation as a part of their mini/major project. He also discussed the crystal cells acting as Energy storage devices. He demonstrated various real time examples and videos and motivated the students to do projects in various topics of Electrical Engineering.