

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC - AUTONOMOUS)

Report on
Guest Lecture on Power Electronics – An Introduction & Applications
Organized by Dept. of EEE - MITS
16 July 2016



Submitted by: Mr. G. Ravi Prakash, Assistant Professor, Dept. of Electrical & Electronics Engg.

A One-Day Guest Lecture on “**Power Electronics – An Introduction & Applications**” was organized by the department of Electrical and Electronics Engineering, on 16th July 2016 in coordination with the Industry Institute Interactive Cell (IIC) and sponsored by TEQIP-II. Mr. Ramesh Darla, Sr. Engineer Power Supplies, Cisco systems, Bangalore, was the resource person for this guest lecture. The session started with opening remarks by Dr. C Kamal Basha, followed by brief introduction of resource person by Mr. G. Ravi Prakash.

The lecture started at 10:15 AM on “Power electronics – An introduction & Applications” to the III year B. Tech EEE A and B sections students in the MBA Seminar Hall. During the session, the resource person covered the following topics

- Need of Power Electronics
- Different types of Power Electronic Devices
- Power conversion and its need
- Different application of power electronics like residential and home appliances, utility system applications, space technology applications ,transportation applications
- Future scope of Power Electronics
- Power Electronics product development organization list.
- Roles and responsibilities of an electrical engineer in industry

The guest lecture was quite interactive and knowledgeable as the resource person gave several practical examples on the topic. The students actively participated in the session and gave good feedback at the end. The delegate expressed his happiness towards the active participation of students during the guest lecture and thanked faculty members for the cooperation.