

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC - AUTONOMOUS)

Report on
Guest Lecture on “Super Capacitors and their Applications”
Organized by Dept. of ECE - MITS
30 March 2016



Submitted by: Dr. A.R. Reddy, Professor & Head, Dept. of Electronics & Communication Engg.

A Guest Lecture was delivered by Dr I Gopinath, BE, MS, Ph.D on “**Super Capacitors and their Applications**” on 30.3.2016 to first year Electronics and Communication Engineering students. Dr Gopinath is worked with SHAR center of ISRO for 35 years. He has vast experience in space electronics components.

The guest lecture covered the principles of super capacitors, construction of super capacitors, advantages and disadvantages of super capacitors. A video clip was shown on how super capacitors are used in an electric transport bus in Shanghai, China. At every bus stop, the bus gets the electrical connection with the wires on the top of bus for charging super capacitors for about a minute. This charge is enough to run the bus for the next bus stop. This has reduced the pollution in Shanghai city.

This lecture helped the first year students to understand the electronics components as part of their basic electrical and electronics engineering course. A total of 68 students have attended the guest lecture.