



# MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(UGC-AUTONOMOUS INSTITUTION)

Affiliated to JNTUA, Anantapuramu & Approved by AICTE, New Delhi  
NAAC Accredited with A+ Grade, NIRF India Rankings 2021-Band: 201-250 (Engg.)  
NBA Accredited -B.Tech. (CIVIL, CSE, ECE, EEE, MECH), MBA & MCA



## One Day Guest Lecture Report

on

“Recent Advancement in Smart Grid and Renewable Energy with Modern Computational Technique”

Organised by

Department of Electrical and Electronics Engineering

01-06-2023

**MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE**  
(UGC-AUTONOMOUS INSTITUTION)  
Madanapalle-517325, Annamayya Dist., Andhra Pradesh  
**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**  
Organizing  
**A Guest Lecture on**  
"Recent advancement in smart grid and renewable energy with modern computational technique"  
**Resource Person**  
**Dr. K. Ravi**  
Professor  
Dept. of EEE,  
Vellore Institute of Technology, Vellore.  
DATE  
01/06/2023  
Session Start  
10.00 AM to 12.00 PM  
Chief Patron  
Dr. N. Vijaya Bhaskar Choudary  
Secretary & Correspondent  
Patron  
Mrs. N. Keerthi  
Executive Director  
Program Chair  
Dr. C. Yuvaraj  
Principal  
Coordinator  
Dr. K. Lakshmikhandan  
Assistant Professor & IIC Coordinator  
EEE Department  
Convenors  
Dr. P. Ramanathan  
Vice Principal, Academics  
Dr. Kamal Basha  
Vice Principal, Administration  
Dr. A. V. Pavan Kumar  
Professor & Head, EEE Dept.  
www.mits.ac.in



**Organized in association with:** IIC at MITS Madanapalle

**Submitted by:** Dr. K. Lakshmikhandan, Assistant Professor, Dept. of EEE

**Resource Person:** Dr. K. Ravi, Professor, Department of EEE, Vellore Institute of Technology, Vellore, Tamilnadu.

**Attendance:** 120 Students attended, 2 Faculty

The session was started at 10 AM. The Guest Lecture was initiated by Dr. A. V. Pavan Kumar, HOD-EEE Department. The resource person **Dr. K. Ravi**, was introduced by Dr. K. Lakshmikhandan, Assistant Professor, Dept. of EEE. The resource expert addressed the significant careers in renewable energy.

1. At the beginning of the presentation, the eminent resource person gave the five important sources of renewable energy.
2. Furthermore, the working of generators and motors were explained with neat examples .
3. Then the prominent speaker focused on the to the Sustainable energies which were used in various parts of India and the capacities of energy production and scarcity faced by the consumers in various parts of our country still now even without a light or electricity.
4. Then the resource person also explained the key areas of small scale solar plants which have been installed in tribal areas.
5. The prominent speaker also listed out the major Professional Organisations of manufacturing solar panels and the power production process and sold to the government at a reasonable price.
6. He also explained the need for microgrid and its usage in tribal areas.
7. In conclusion note, the distinguished speaker highlighted the various agencies in renewable energy production which is of great significance in this era of science, and can provide unforeseen insights and benefits to the people in various areas of the country.
8. Therefore, the renewable energy has been the potential to provide a basis for advancements in future to meet the demands of the people.
9. The students gained knowledge about the various types of renewable energies, its production and the process to meet the demands of the people and the process of becoming an entrepreneur in future in this green fast evolving field of energies.
10. Finally the session was concluded followed by a heart felt vote of thanks which was given by Dr.K.Lakshmikhandan by thanking the esteemed Management-MITS Madanapalle, Principal Prof. Dr.C.Yuvaraj, Vice Principal(Academics) Dr.P.Ramanathan, Vice Principal (Administration) Dr.Kamal Basha , EEE HOD Dr.A.V.Pavan kumar , department colleagues, the students and all those who have been involved indirectly by making the event a grand success.



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## Photos:



Signature of Faculty Coordinator

Signature of HoD