



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(UGC-AUTONOMOUS INSTITUTION)

Affiliated to JNTUA, Ananthapuramu & 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



Report on
Physical mode one day workshop on “Energy Audit”
Organized by
Department of Electrical & Electronics Engineering

Date: 07th Jan, 2022

Title: One day workshop on “Energy Audit”

Mode of Conduction: Physical mode.

Targeted Audience: II and III EEE students, Faculty & Staff of the institution.

Total Participants: 130

Resource person:

Dr. K. Palanisamy

Energy Auditor

Deputy – Director Electrical Maintenance and projects

Associate professor

SELECT

Vellore Institute of Technology

Vellore.

Event Coordinator – Dr.K.Arulkumar, Associate professor, EEE dept.

About the workshop:

Energy is one of the major input to economic development of a country. Especially for developing countries the increasing energy demand requires more focus and huge investment. As we are in shift to pollution free environment, focus is on alternate electrical technology. For the efficient use of energy and conservation Government of India has enacted the Energy Conservation Act, 2001 and established the Bureau of Energy Efficiency (BEE) in March, 2002. The main objective of workshop is to cover need of energy audit and its significance in academic institutions and role of energy auditors in its implementation.

10.00 am – Inauguration of Workshop

The event coordinator welcomed the resource person Dr.K.Palanisamy, vice principal academics Prof. P.Ramanathan, Dr. A.V. Pavan Kumar, and Dr.Rajendra Prasad narne on the stage.

10.15 am – Welcome address by the event coordinator Dr.K.Arulkumar, EEE dept.

The event coordinator given a brief introduction about the resource person and the importance of the workshop event.

10.30 am – About the workshop by Dr.P.Ramanathan, Vice principal Academics

Importance of the workshop takeaway of the workshop. Energy conservation act and management. Student skills in implementing the project.

10.45 am – About the workshop by Dr. Rajendra Prasad Narne, EEE dept.

Significance of the workshop, Sustainable development goals (SDG), energy conservation act, Energy management act, student benefit in implementing mini project, major project and their skills.

11.00 am – Session talk by the resource person

Brief introduction about the workshop on energy audit. Need of energy and conserve the energy in its own form. He further added the institute details, Previous month electricity bill, supply & Demand, load details of the institute.

He further added the VIT university energy conservation processes and its implementation. In the institute campus and hostel sensor are placed to minimize the consumption of energy. Importance of bureau of energy efficiency (BEE) in the electricity market like fan, Light, electrical appliances, motor and its importance. Instruments to measure and used for Energy audit is discussed.

Suggestions:

1. To use star rated electrical appliances given by BEE
2. To use BLDC motor for fans as it consumes less energy.
3. To use LED lamps and lights
4. Maximum to use solar energy for their house hold appliances.
5. Energy conservation includes water and environment maintenance.
6. Sewage treatment plant installation and its benefits.
7. Encourage to do Energy and Green audit.
8. To implement Mini and Major Project.

2.00 pm: MITS - Solar PV Plant Visit (150 kW) Mr. Vasudeva reddy, Electrical manager and team visited the solar PV plant in EB – Top floor.

2.30 pm: visited the power house: Mr.Sudhakar, Incharge Power house, Few suggestions have +been given to analyze the energy audit and to install sub meters. Sewage treatment Plant visit: 150kL is done in the institute.

3.00 pm: Faculty interaction with the resource person – About Energy audit examination, oppurtunities, consultancy work in it. Industry tie up work. Faculty participation in energy audit and convert it to projects to students.

4.00 pm: Vote of Thanks.



Talk about the workshop



Targeted Audience



Visit to Solar Power plant in East Block



Visit to college Power House



Lecture Delivery by resource person



Faculty Interaction in seminar hall

Acknowledgement:

I thank the management for giving opportunity for organizing the workshop.

Report submitted by:

Dr. K. Arulkumar,

Associate professor/EEE

Signature of HoD