

D. A. DEGREE/DIPLOMA ENGINEERING AND TECHNOLOGY

Department of Mechanical Engineering

A

Report on
One Day Workshop

“Energy Conservation Awareness”

Date: 18th February 2025

Time: 9:30 AM Onwards

Venue: Degree Seminar Hall

Participants: Students of Mechanical, Civil, Computer and Electrical Engineering branch

Total Participants: Around 50

One Day Workshop on “**Energy Conservation Awareness**” Schedule is as follows:

Sr. No	Timing	Event/Topic
1	9:30 to 10:00 am	Inauguration of Workshop
2	10:00 to 1:15 pm	<ul style="list-style-type: none">- Need for Energy Conservation – Energy Scenario- EC Opportunities in Industrial Utilities- Energy Audit & Instrumentation- EC Act & BEE Schemes – PAT, S&L and ECBC- Recent Developments in Renewable Energy Systems
3	1:15 to 02:00 pm	Lunch Break
4	02:00 to 3:30 pm	<ul style="list-style-type: none">- Energy Audit / Monitoring Instrument Demonstration- Q&A Session- QUIZ

One day workshop on Energy Conservation Awareness was arranged by Degree Mechanical Engineering Department on 18th February 2025. The program was sponsored by Gujarat Energy Development Agency (GEDA) – A Government of Gujarat Organization. The program was conducted by Prof. Amarpal Kanojiya 3A- Electrical Vadodara. More than 50 students registered for the workshop.

The technical session started with the overview of the energy sector and Energy scenario in India, where Prof. Amarpal Kanojiya explained different commercial sources, their reserve and expected life. He remarked that heavy dependence imported energy (80% of oil, 15 to 20% of coal and Gas), poses serious questions about energy security and balance of payment. To meet challenges of climate change and environmental pollution, improving energy efficiency is a cost effective solution. He also discussed about why energy should be saved. He explained how the investment can be reduced using energy efficient tube lights, fan etc.

Residential, Commercial, and LT Industries Tariff were discussed by him. Case study for bill analysis of engineering industry was also discussed. He has talked about getting rebate by industry by improving power factor and by shifting load to night/off peak period from peak period.

To make the session interesting, various case studies were included to highlight the energy conservation practices employed by various industries towards energy conservation, cost reduction and sustainable development. Power factor and its importance were also discussed. Some of the case studies were discussed. Public/government organization can also identify energy conservation opportunities (ECO) and can contribute towards sustainable development.

The session was highly interactive and participants actively interacted with the experts. The workshop was very interesting and successful and met the objective for which it was planned and organized.

The feedback is given by the all Students:

The positive feedback about the one day workshop on “Energy Conservation Awareness” list goes on...

Glimpses of Event



