

workshop Report

One-Day Workshop on
"Energy Conservation Awareness"



Expert Speakers:
1.Mr. R.M. Panchal
&
2.Mr. D.N. Shah



04/02/2025
11:00 A.M



A.Y.Dadabhai technical institute
kosamba

ONE-DAY WORKSHOP ON "ENERGY CONSERVATION AWARENESS"

- Date: 4th February 2025 Time: 10:00 AM to 4:00 PM
- Workshop Coordinator: Mr. M.A.Sheikh
- Department: Electrical and Mechanical Engineering



Mr. M.A. Sheikh (Workshop Coordinator)

Expert Speakers:

1. Mr. R.M. Panchal
 - Retired Chief Engineer, MGVCL (Madhya Gujarat Vij. Company Ltd)
 - CEO, Global Energy Consultancy, Vadodara
 - BEE Certified Energy Auditor
 - Authorized Energy Auditor of GEDA
 - BEE sector expert for Thermal Power Plants and DISCOMs for PAT
2. Mr. D.N. Shah
 - Retired Executive Engineer, SLDC (State Load Dispatch Center), Vadodara
 - B.E.E. Certified Energy Auditor
 - Total Student Participants: 57
 - Total Faculty Participants: 5



ABOUT GEDA

Historical Perspective

The Gujarat Energy Development Agency (GEDA) is a pioneering organization in India dedicated to the advancement of renewable energy and energy conservation. As the state nodal agency (SNA) for the Ministry of New and Renewable Energy Sources and the state-designated agency (SDA) for the Bureau of Energy Efficiency (BEE), GEDA plays a key role in driving sustainable energy initiatives.

Over the years, GEDA has formulated long-term renewable energy policies and implemented impactful programs across Gujarat. One of its primary challenges has been to make renewable energy and energy-efficient technologies economically viable. GEDA contributed significantly to the establishment of the Commission of Additional Sources of Energy (CASE) in 1981, which evolved into the Department of Non-Conventional Energy Sources (DNES) in 1982, later becoming the Ministry of New and Renewable Energy (MNRE).



Key Initiatives of GEDA:

- Conducting energy needs assessments
- Assessing and demonstrating technology
- Evaluating biomass resources
- Engaging in applied research and field trials
- Collaborating with NGOs and local institutions for grassroots initiatives
- Developing a manufacturing base for renewable energy technologies
- Strengthening commercial distribution channels
- Establishing a network of users for feedback
- Providing training and education on renewable energy
- Promoting renewable energy through school education programs

Workshop Overview

A.Y. Dadabhai Technical Institute (Polytechnic), Kosamba, organized a one-day GEDA-sponsored workshop on "Energy Conservation Awareness" for final-year students of Electrical and Mechanical Engineering on 4th February 2025.

The workshop began with a prayer, followed by a welcome and inaugural address by Mr. M.A. Sheikh (Training and Placement Officer).

Felicitation of Guests

Mr. R.M.Panchal was welcomed with a floral felicitation by Mr. K.H. Patel (Head of Mechanical Engineering Department).



Mr. R.M.Panchal

Mr. D.N. Shah was felicitated by Mr. M.H. Darsot (Lecturer, Electrical Engineering Department).



Mr. D.N. Shah

Expert Sessions and Topics Covered:

- Electrical Energy Scenario in Gujarat and India
- Energy Sources Overview
- Why Save Energy?
- Energy Conservation Methods
- Energy Conservation in Domestic Appliances
- Electricity Tariff Structure
- Energy Audit Process



- Energy Conservation in Industries, Motors, and Pumps
- Role of GEDA in Energy Conservation
- Energy Conservation through Renewable Energy Sources
- Interactive Q&A and Practical Demonstrations
- In the last session, experts answered students' queries, and participants expressed their feedback. A practical demonstration included:
- Explanation of instruments used in an Energy Audit by Mr. R.M. Panchal and Mr. D.N. Shah
- Measurement of Energy Efficiency Ratio (EER) of Air Conditioners

Hands-on session in the Electrical Machine



Closing Ceremony:

Vote of Thanks was delivered by Mr. M.A. Sheikh.

Mementos were presented to Mr. D.N. Shah and Mr. R.M. Panchal as a token of appreciation.



Mr. D.N. Shah



Mr. R.M. Panchal

Certificate Distribution to all student participants.

After the completion of the workshop, feedback was collected from the participants. The event was well-received, and all attendees found the sessions insightful and beneficial.

A.Y. Dadabhai Technical Institute extends its gratitude to the Gujarat Energy Development Agency (GEDA), Gandhinagar, for their sponsorship and support. Special thanks to the expert speakers from Global Energy Consultancy Services, Vadodara, for sharing their valuable knowledge.

Prepared by:

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