

# "ENERGY CONSERVATION AWARENESS"

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GEDA

Gujarat Energy  
Development Agency

: Hosted :



A.Y. DADABHAI  
TECHNICAL INSTITUTE  
KOSAMBA, SURAT.



EXPERT SPEAKER :-

**MR. R. M. PANCHAJ.**  
**MR. D. N. SHAH**



5<sup>TH</sup> JAN 2026



10:00 A.M



A.Y. DADABHAI TECHNICAL  
INSTITUTE KOSAMBA, SURAT.



# ONE-DAY WORKSHOP ON "ENERGY CONSERVATION AWARENESS"

- Date: 5<sup>th</sup> January 2026      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: 56
- Total Faculty Participants: 5



## ABOUT GEDA

### Historical Perspective

The Gujarat Energy Development Agency (GEDA) is a pioneering organization in India committed to the promotion of renewable energy and energy conservation. Serving as the State Nodal Agency (SNA) for the Ministry of New and Renewable Energy (MNRE) and the State Designated Agency (SDA) for the Bureau of Energy Efficiency (BEE), GEDA plays a crucial role in advancing sustainable energy initiatives in Gujarat.

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).



Dignitaries on the Dias

### 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 **5th January 2026**. The workshop commenced with a prayer, followed by a warm welcome and inaugural address delivered by **Mr. M. A. Sheikh**, Training and Placement Officer of the institute.

## Felicitation of Guests

Mr. R.M.Panchal was welcomed with a floral felicitation by Mr. M.M.Dalchawal (Director of Institute).



Felicitating by Mr. M.M.Dalchawal to Mr. R.M.Panchal

Mr. D.N. Shah was felicitated by Mr. K.H.Patel (Head of Mechanical Engineering Department).



Mr. D.N. Shah felicitated by Mr. K.H.Patel

The workshop covered the following key topics:

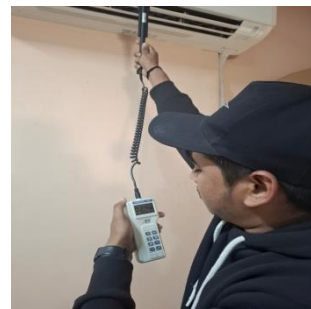
- Electrical energy scenario in Gujarat and India
- Overview of conventional and renewable energy sources
- Importance and need for energy conservation
- Practical methods of energy conservation
- Energy conservation practices in domestic appliances
- Electricity tariff structure and consumer categories
- Basics of the energy audit process



#### Participants Photo

- 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.



Memento given by Mr. M.M. Dalchawal to Mr. R.M. Panchal



Memento Given by Mr. K.H.Patel to Mr. D.N.Shah

### **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:

Mr. M.A. Sheikh(Training & Placement Officer)  
A.Y. Dadabhai Technical Institute, Kosamba