

**A Report
On
One Day Workshop on
“Energy Conservation Awareness”**

**A.Y.DADABHAI TECHNICAL INSTITUTE,
KOSAMBA**



Held on 12th Feb, 2024

BY



GEDA

**ગુજરાત ઊર્જા વિકાસ એજન્સી
GUJARAT ENERGY DEVELOPMENT AGENCY**

**Gujarat Energy Development Agency
(A Government of Gujarat Organization)**

Title: One day workshop on “Energy Conservation Awareness”

Date: 12thFeb, 2024

Time: 10:00 AM to 4:00 PM

Workshop Coordinator: Mr. M.A.SHEIKH

Department: Electrical, Mechanical and Civil Engg.

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 plant 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 Students Participants: 77

Total Faculty Participants: 11

ABOUT GEDA

1. Historical perspective

GEDA (Gujarat Energy Development Agency) stands as a pioneering organization in India, dedicated to the advancement of renewable energy and energy conservation. As a state nodal agency (SNA) for the Ministry of New and Renewable Energy Sources and the state designated agency (SDA) for Bureau of Energy Efficiency (BEE), GEDA shoulders the responsibility of spearheading sustainable energy initiatives.

Over the years, GEDA has been instrumental in formulating long-term renewable energy policies and implementing impactful programs across the state. One of the primary challenges has been to render renewable energy and energy-efficient technologies economically viable. GEDA's significant contribution was in the establishment of the Commission of Additional Sources of Energy (CASE) in 1981, later evolving into the Department of Non-conventional Energy Sources (DNES) in 1982 and eventually culminating into the Ministry of Non-conventional Energy Sources (MNES) in the 1990s, now known as the MNRE (Ministry of New and Renewable Energy). This model served as a blueprint for setting up similar state nodal agencies nationwide.

Over three decades, GEDA has pioneered numerous sustainable initiatives, many of which are firsts in the country. It has been a crucible for exploring renewable energy alternatives to conventional fuels, driving convenient, green, and clean actions. Some of its key initiatives include:

- ❖ Conducting energy needs assessments
- ❖ Assessing and demonstrating technology
- ❖ Evaluating biomass resources
- ❖ Engaging in technology, product, and market research through applied research and field trials
- ❖ Collaborating with NGOs and local institutions for grassroots penetration
- ❖ Developing a manufacturing base to support the commercialization of renewable energy technologies

- ❖ Strengthening commercial distribution channels to make renewable energy products readily available
- ❖ Establishing a network of users for valuable feedback
- ❖ Maintaining a state-of-the-art knowledge bank and renewable energy resource center
- ❖ Providing information, promotion, training, and education to various stakeholders, including through the school energy education program.
- ❖ Given the current scenario, embracing renewable energy technologies aligns with our economic self-interest and sustainability goals

2. Brief Information:

A.Y.Dadabhai Technical Institute (Polytechnic), Kosamba organized a one day GEDA sponsored workshop on “Energy Conservation Awareness” for final year students of Electrical, Mechanical & Civil Engineering, on 12thFeb, 2024.

The workshop started with the prayer. Welcome & inaugural address is given by Mr.M.A.Sheikh (Training and Placement officer).



Mr.M.A.Sheikh Delivering speech

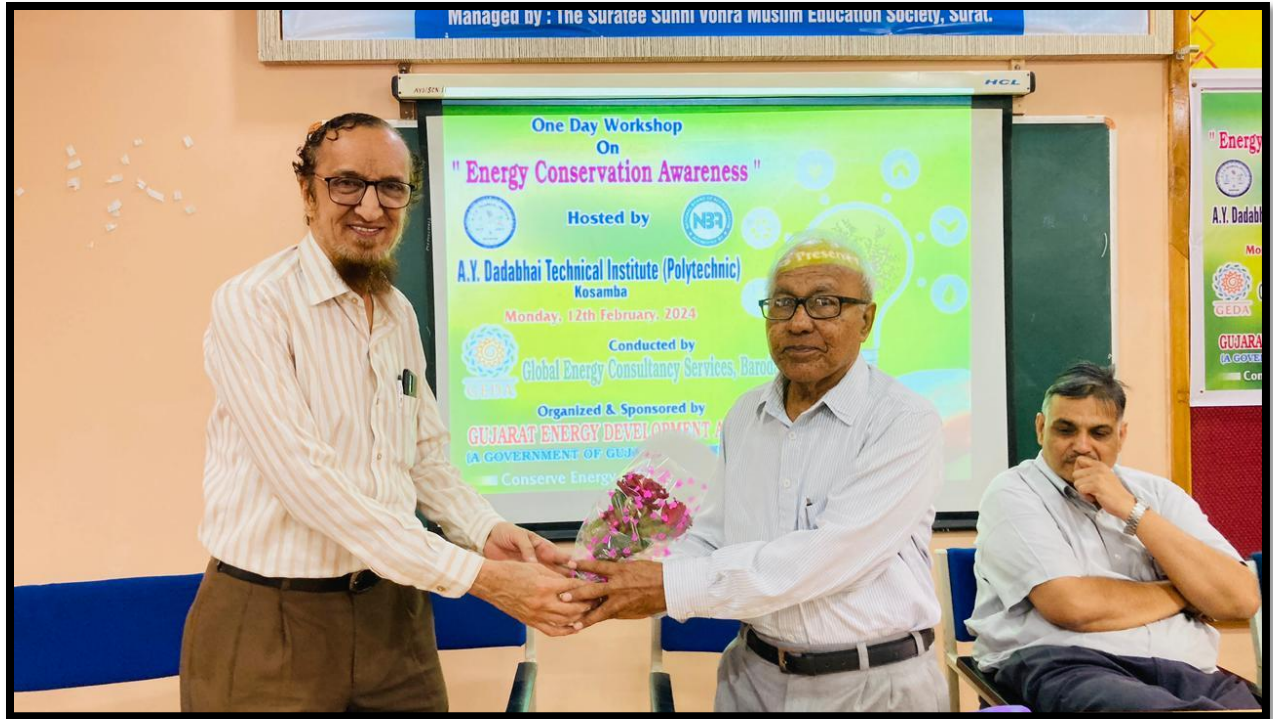
Mr. R.M.Panchal, Mr. D.N.Shah delivered expert lecture on the following topics and guided the participants.

- ❖ Electrical Energy Scenario in Gujarat and India.
- ❖ Energy Sources Overview.
- ❖ Why Save Energy?
- ❖ Energy Conservation Means.
- ❖ Energy Conservation in Domestic Appliances.
- ❖ Electricity Tariff.
- ❖ Energy Audit
- ❖ Energy Conservation in Industries, Motors and Pumps.
- ❖ Role of GEDA in Energy Conservation.
- ❖ Energy Conservation through Renewable Energy Sources.
- ❖ In the last session of the workshop the answers of the questions given by the experts, students expressed their review and gave commitment to save the energy.

Event Photographs



Dignitaries on the Dias



Flower felicitation of Shree R.M.Panchal by Institute Director Mr.M.M.Dalchawal



Flower felicitation of Shree D.N.Shah by Institute Head of Mechanical Engg. Mr.K.H.Patel



Participants



Participants



Mr. R.M.Panchal Delivering speech



Mr. D.N.Shah Delivering speech



Mr. D.N. Shah Delivering session



Mr. R.M. Panchal Delivering Session



Explanation of instrument used in Energy Audit



Mr. R.M.Panchal and Mr. D.N.Shah Explaining use of instrument.



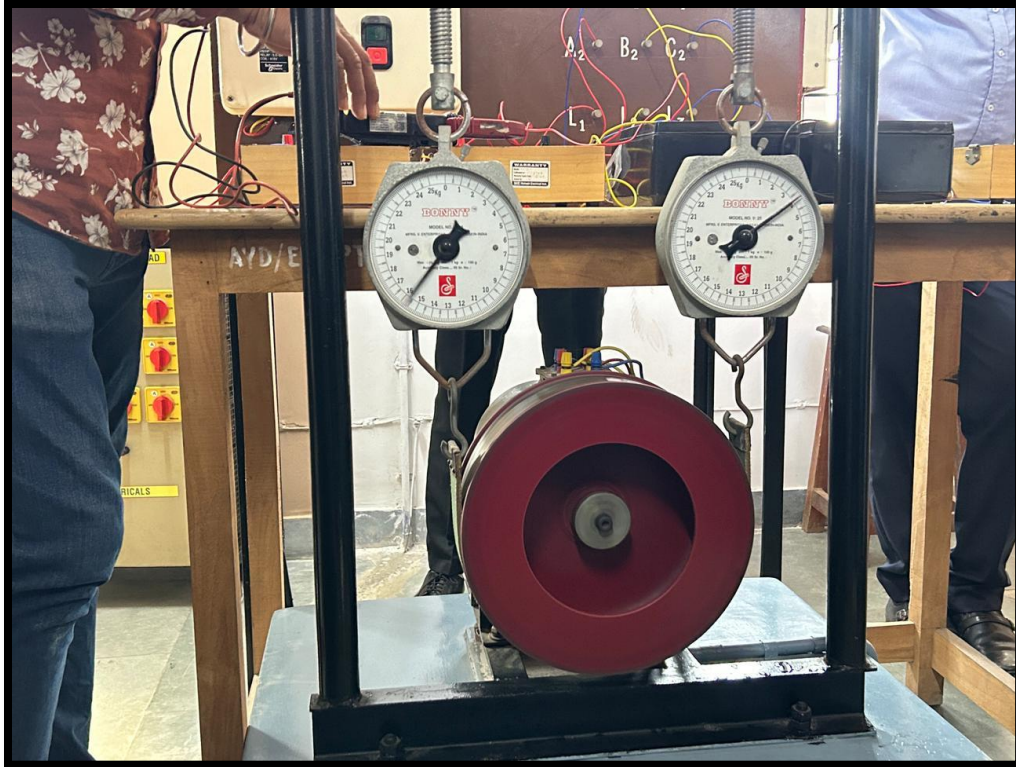




Practical session to measure EER of aircondition



Practical session in Electrical Machine lab





Vote of thanks by Mr.M.A.Sheikh



Memento given to Mr.D.N.Shah



Memento given to Mr.R.M.Panchal



Certificate Distribution to students



Certificate distribution to student

After completion of workshop, feedback taken from the participants and finally all the participants received certificates. All the participants enjoyed the workshop.

A.Y.Dadabhai Technical Institute is thankful to the Gujarat Energy Development Agency (GEDA), Gandhinagar for their sponsorship to arrange such type useful workshop and also thankful to the experts of the Global Energy Consultancy Services, Vadodara for providing a valuable knowledge to the participants.

Prepared by:

Mr.M.A.Sheikh.

(T.P.O.)