

# **Gandhinagar Institute of Technology**

A Report on

“Energy Conservation Awareness Workshop-2022”

(03<sup>rd</sup> February 2022, Thursday)

## **Introduction:**

A one day workshop on “Energy Conservation Awareness” was held in the Electrical Engineering & Mechanical Engineering Department of Gandhinagar Institute of Technology on 03<sup>rd</sup> February, 2022. The workshop was organized for 6<sup>th</sup> Sem and 8<sup>th</sup> Sem EE and ME students. Total 40 students had attended the workshop out of which 24 students were from Electrical Engineering Department and 16 students were from Mechanical Engineering Department. This workshop was coordinated and delivered by Prof. Rahish Silavat, Asst. Professor of Electrical Engineering Department.

## **Event Details:**

Date: **03/02/2022**

Organized for: **6<sup>th</sup> and 8<sup>th</sup> Sem EE and ME students**

No. of Participants: **40 (EE-24, ME-16)**

Mode of Event: **Online (Google Meet)**

Delivered by: **Prof Rahish Silavat (EE Dept)**

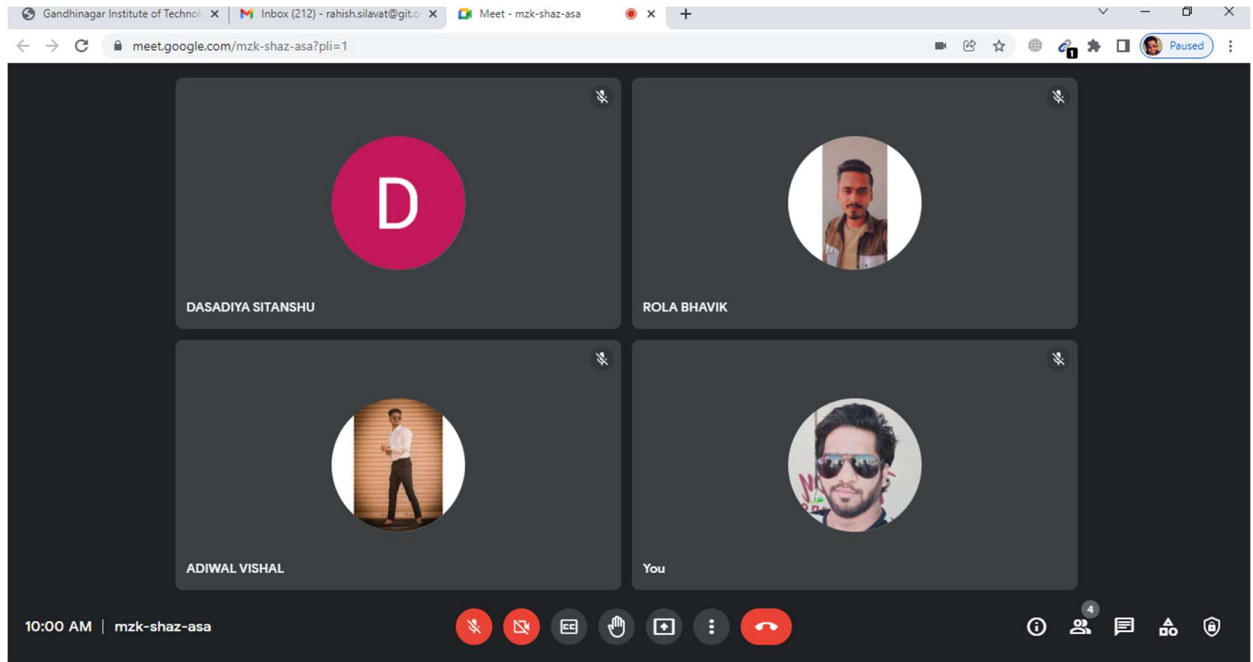
## **Event Overview:**

The main objective of workshop is to create awareness about the grass root level as well as provide a brief overview of the present scenario of Renewable energy, types of energy audits as well as innovative ways for energy conservation in different thermal and electrical utilities. All the sessions were highly interactive and participants actively interacted with the Coordinator. The workshop was very interesting and successfully met the objectives for which it was planned and organized.

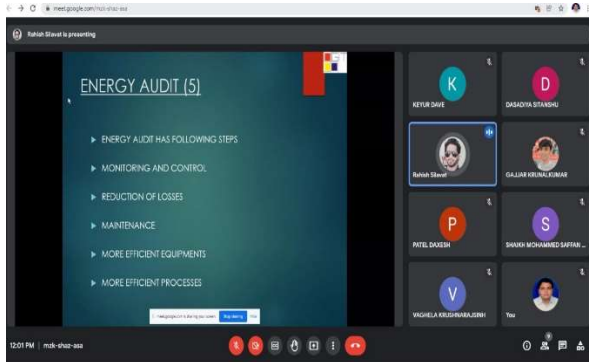
Prof. Rahish Silavat had discussed about Energy resources and their distribution, wastage and scope of energy saving, vapour compression refrigeration equipment, compressor and pump performance etc. He also discussed about energy conservation in electric lighting systems, motor performance and running cost, selection of energy efficient equipments, power factor improvement and its effect on energy saving and different energy losses and their effect etc. They had demonstrated different instruments like anemometer, flux meter, infrared temperature indicator etc. used for energy audit. Through this workshop students were learn the recent trend of energy conservation and enlightened their knowledge in the field of Energy Conservation.

Students enjoyed the session very much and they were encouraged to conserve energy. Faculty co-coordinator guided them how to become Energy Manager and Energy Auditor. Participants gave their valuable feedback for the whole programme.

## Moments/ Photo Gallery: Online Events Photographs



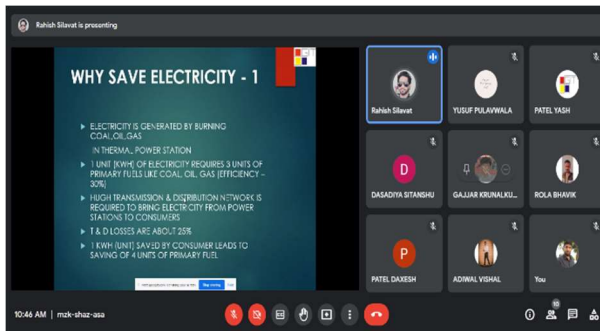
Prof. Rahish Silavat welcoming all the students



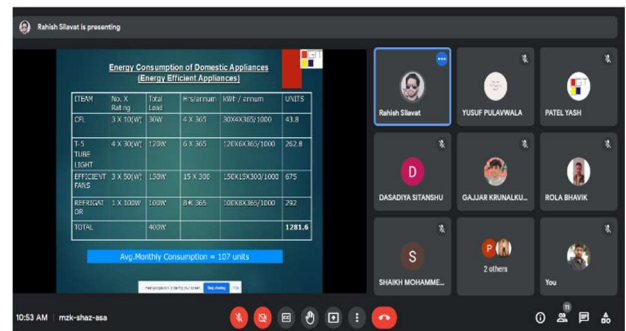
Prof. Rahish Silavat explaining Energy Audit



Prof. Rahish Silavat demonstrating the equipments used for Energy audit



Prof. Rahish Silavat talking about importance of Electricity



Prof. Rahish Silavat giving energy related data in India

Rahish Silavat is presenting

Press F11 to exit full screen

### CONCLUDING REMARKS

1. India is importing 80% of oil, 15 to 20% of coal and Gas. This dependence will only increase in foreseeable future.
2. Such heavy dependence on imported energy, poses serious questions about energy security and balance of payment. Rupee has already declined to rupee 60 /\$.
3. To meet challenge of climate change and environmental pollution, Improving energy efficiency is a cost effective solution.
4. Present planning remains supply oriented. It must be oriented to demand management.
5. Major resources, financial and human, must be provided to demand management.

CONTD.....

RAHISH SILAVAT, PATEL RAVISHAI, DEKADTA BITANSHU, GAJANI DHANAKU..., ROLA BHAVUK, YUSUF PULAYWALA, PILLAIKATI KAMESH

mute share chat

**Prof. Rahish Silavat concluding the event**