



Gandhinagar Institute of Technology

A Report on

“Online expert lecture on Smart Grid- Recent Trends, Applications & Technologies”
(23rd February 2022, Wednesday)

Highlights of the Session

- Welcome speech
- Introduction of Expert
- Lecture Session by Expert
- Practical examples by Expert
- Vote of Thanks

Event Details:

Date: **23/02/2022**

Organized for: **6th Sem EE and EC students**

No. of Participants: **55 (EE-40, EC-15)**

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

Delivered by: **Prof. Jignesh G Bhatt (Associate Professor at Dharmsinh Desai University)**

Coordinated by: **Prof. Rahish Silavat**

Introduction:

An online expert lecture on “Smart Grid- Recent Trends, Applications & Technologies” was held in the Electrical Engineering and Electronics & Communication Engineering Department of Gandhinagar Institute of Technology on 23rd February, 2022. The session was organized for 6th Semester EE and EC students. Total 55 students along with 8 faculty members had attended the session out of which 40 students were from Electrical Engineering Department and 15 students were from Electronics & Communication Engineering Department. This workshop was coordinated by Prof. Rahish Silavat, Asst. Professor of Electrical Engineering Department.

This online expert lecture on “Smart Grid- Recent Trends, Applications & Technologies” was delivered by Prof. Jignesh G Bhatt, Associate Professor at Dharmsinh Desai University, Nadiad.

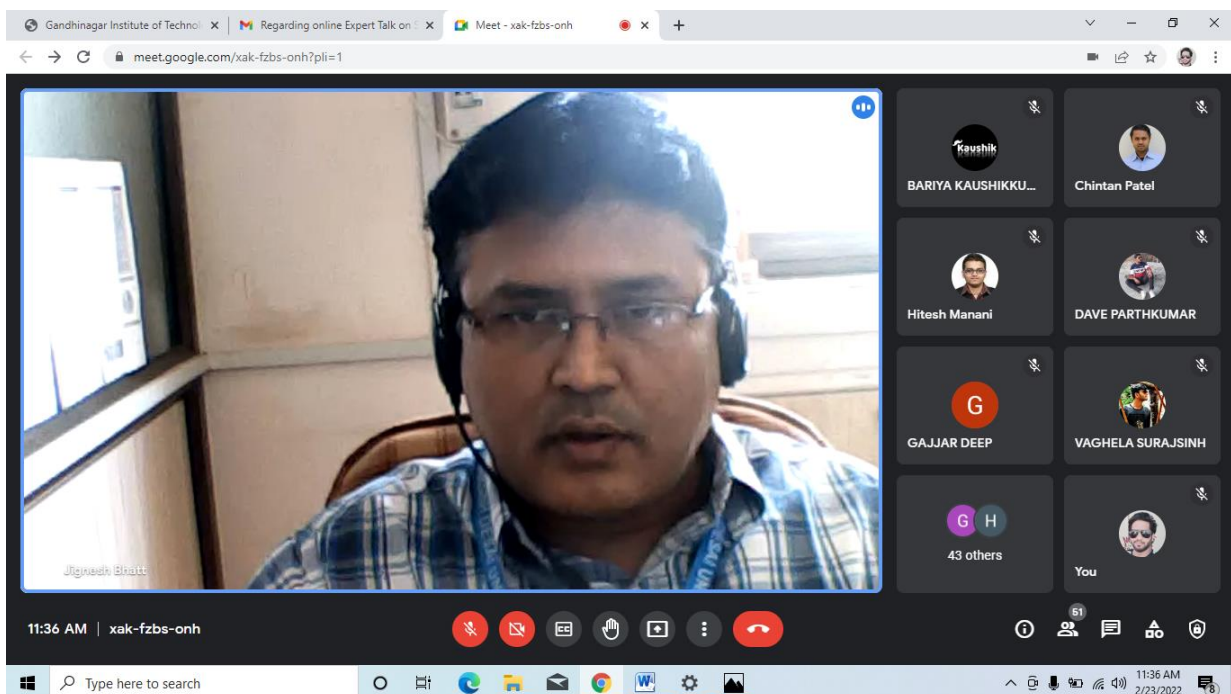
Event Overview:

The main objective of this expert lecture was to give an idea about fundamentals and working of Smart Grid as well as provide a brief overview of the present scenario of Electrical Energy, types of different grid system as well as innovative ways for connecting electrical grid with the system. The session was highly interactive and participants actively interacted with the expert. The session was very interesting and successfully met the objectives for which it was planned and organized.

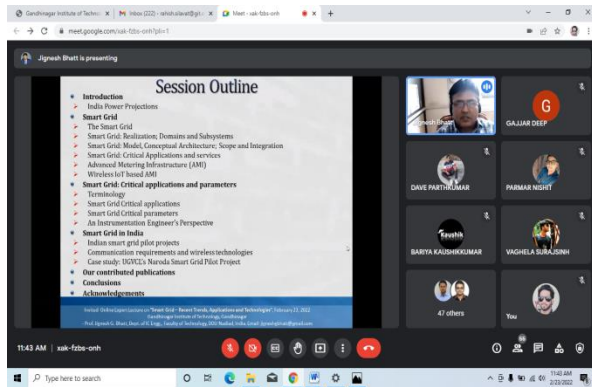
Prof. Jignesh Bhatt had discussed the realization of smart grid with its domains and subsystem. He then showcased the conceptual architecture of smart grid with its benefits and limitations. The Expert also talked about the Critical applications and services of the smart grid. He had also guided students about the research funding opportunities in the area of smart grid.

Students enjoyed real life practical examples very much and they were encouraged to follow the smart grid technology. Faculty co-coordinators and expert guided them how to study and understand smart grid technology and to become a better Engineer. Participants gave their valuable feedback for the whole programme.

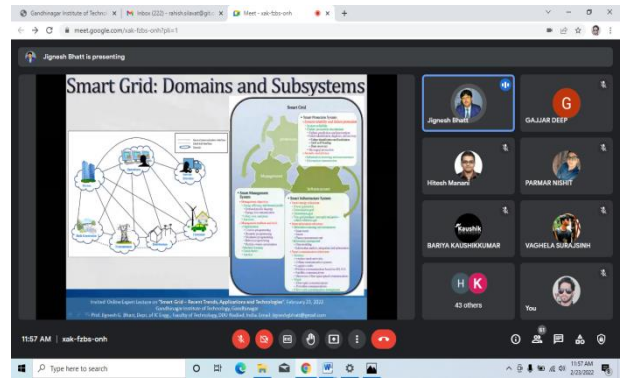
Moments/Photo Gallery: Online Events Photographs



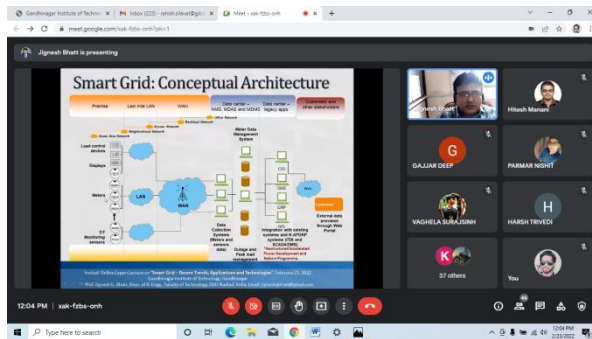
Prof. Hardik bhatt & Prof. Rahish Silavat welcoming the expert as well as all the participants



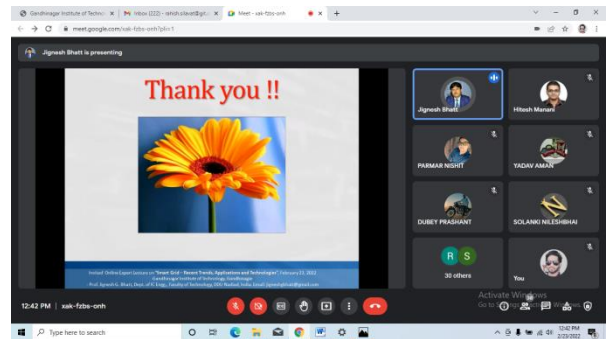
Prof. Jignesh Bhatt showing lecture outline



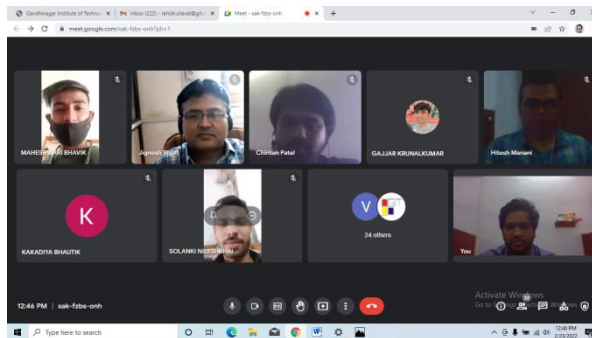
Prof. Jignesh Bhatt explaining smart grid domains



Prof. Jignesh Bhatt showcasing conceptual architecture of smart grid



Prof. Jignesh Bhatt solving the doubts of the participants regarding smart grid installation and working



Vote of thanks to Prof. Jignesh Bhatt after concluding the session