



SAL INSTITUTE OF TECHNOLOGY & ENGINEERING RESEARCH

Department of Mechanical Engineering

Has organized a Webinar

on

“Recent Innovations in the Field of Solar Thermal Application”

10th February 2022

Director & Principal: - Dr. Rupesh Vasani

Head of Department: - Prof. Manish Patel

Session Conducted by: - Asst. Prof. Harshit Bhavsar

Date: 10/02/2022

Venue: SAL Institute of Technology & Engineering Research

Mode of Workshop: Online – Zoom Platform

Title of Workshop: Recent Innovations in the Field of Solar Thermal Application

Name of speaker:- Mr. Harshit Bhavsar

No. of students Participated: 25

No. of faculties Participated: 4

No. of external Participated (if any): 2

Objective:

To make the final year Students aware of the Recent Innovations in the Field of Solar Applications.

This webinar mainly focuses on the various types of Solar Thermal Applications and what recent Development is going on in Solar Applications. Also some new Future Scope and Innovations Ideas were shared with students in this Existing Solar Applications.

Benefits in Terms of Learning, Skills & Knowledge:

Nowadays Technology is moving with renewable & Green technology. So students must have to go with the basics of renewable energy. Students are able to learn the basics of solar energy, types of Solar panels, various types of Solar Concentrators, and the concept of Solar Applications working.




About the Event:

The Department of Mechanical Engineering of SAL Institute of Technology & Engineering Research has organized a webinar on “**Recent Innovations in the Field of Solar Thermal Application**” for the Final Year Students. This webinar was organized so that students can understand about the concept of Solar Panels. Solar Collectors and Applications of solar energy & Innovation in this Applications.


Highlights of the Workshop:

The webinar started with some basic parameters of Solar energy and the current Indian scenario for the utilization of solar energy. Mr harshit has explained why the whole world is moving towards the solar energy application & technology and its key benefits. The concept of the solar energy utilization in the Equipment has been explained to participants.

The theory of the different types of Solar collectors used to collect the solar energy has been introduced by the speaker. He explains the flat plate, concentrating, Fresnel, parabolic type of Collector used in the solar Application to Collect solar energy.

Innovations in the Field of Solar Thermal Application

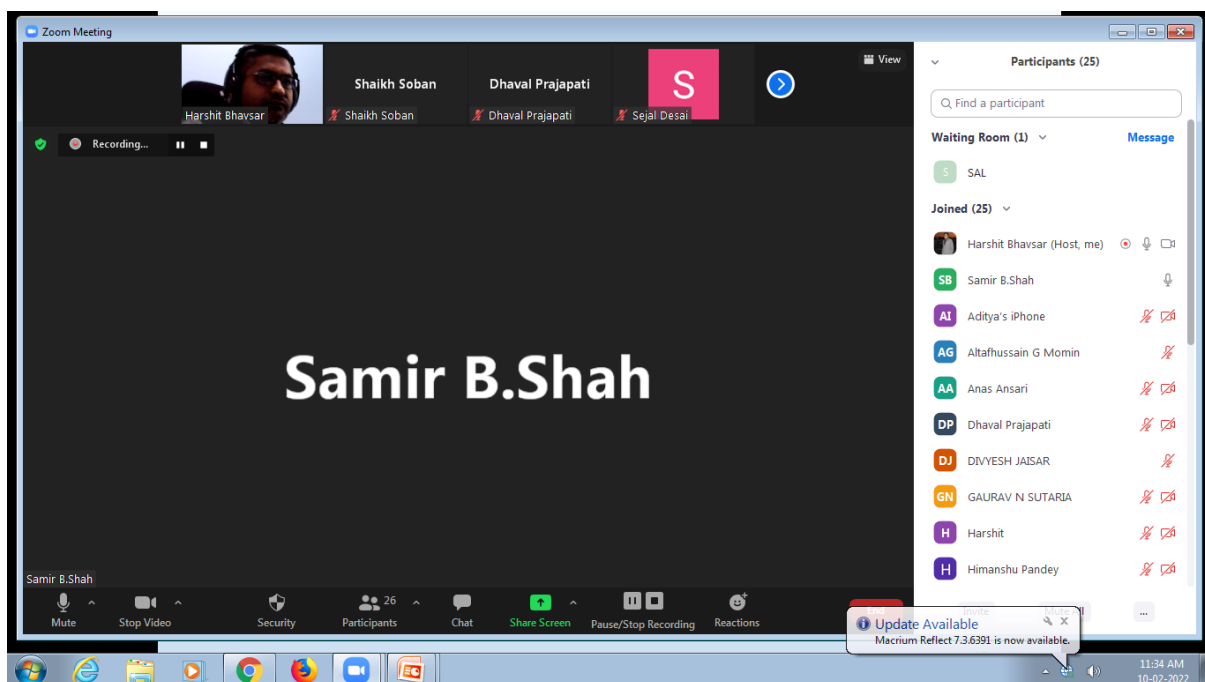


Mr. Harshit Bhavsar
Assistant Professor
Department of Mechanical Engineering
SAL Education Campus

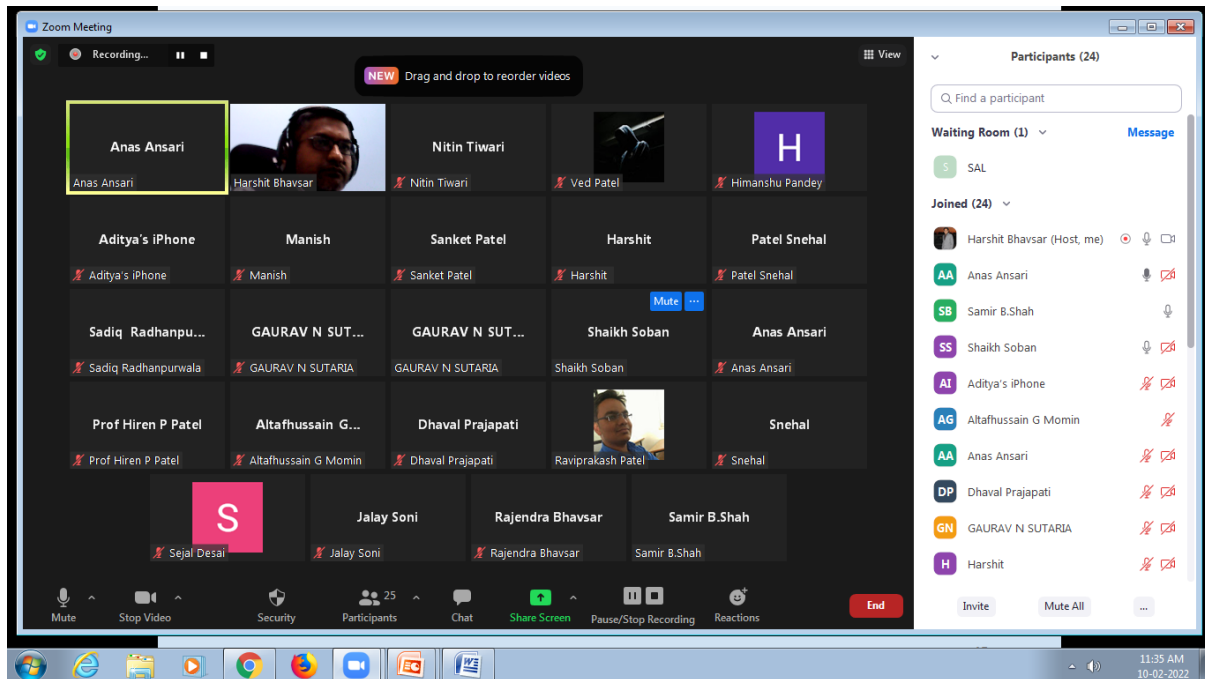
Date: 10/02/2022
Time: 10:30 AM to 11:30 AM

Existing Solar Thermal Applications like Solar Dryer, Solar Cooker, Solar Desalination, Solar water heating & Space heating, Solar Power Generation, Solar Pumping, Solar Refrigeration, Solar Robots their working has been explained and what are the recent Innovations occurred in all this Solar thermal Applications has been explained in Details.

Students also get the new ideas and concepts which still need to upgrade in the field of Solar applications. They get some ideas to go for the Project & innovation for these novel ideas to enhance the solar thermal Applications.



In The Last Speaker also explain the importance of Solar panels in the field of solar applications. He has given details ideas about the types of solar Panels and how to improve the performance of solar panels. Recent innovations in the materials and size of solar panel also explained in this webinar.



Total 31 participants were Present in this Program Including students and Faculty members. Students have a good impact of this webinar to Understand the recent innovations in the field of Solar thermal applications and why renewable energy is important.

Report Prepared By:

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