



# Industrial Expert Lecture Report

## Industrial Expert Lecture on “Recent research & development on solar still to enhance the distillate output”

### Objectives:

To make aware about energy crisis in world.

Possible solutions of using sea water.

Scope of renewable energy.

How to enhance the distillate output by solar still.

### Industrial Expert:

Dr. Hitesh Panchal

Asst. Professor

GEC Patan

### Industrial Expert Lecture coordinator:

Ashvini Bhardwaj

Asst. Professor

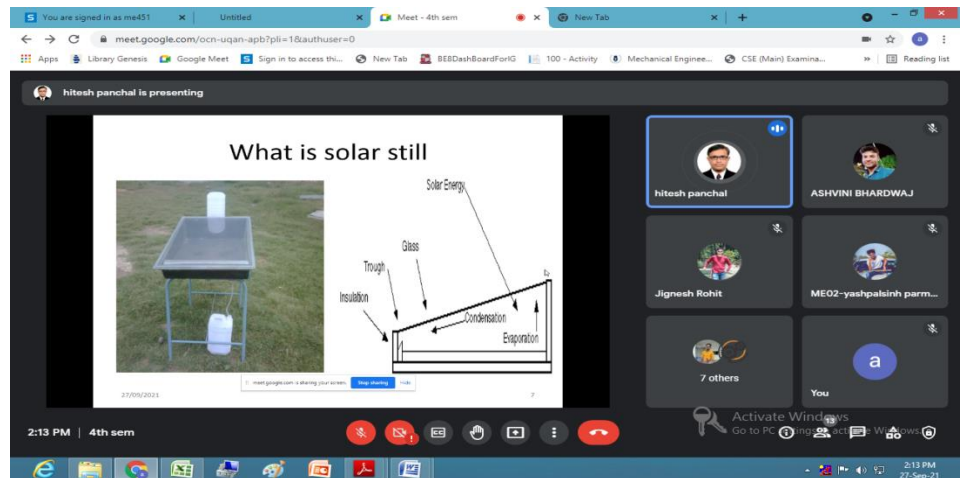
Mechanical Department,  
SRPEC.

### Summary:

Recent research & development in solar stills and classification based on the efficiency was discussed

### Topics:

1. Current scenario of solar energy.
2. Solar stills.
3. Solar dryer.
4. Variations in efficiency of solar still by variation in different parameters



Expert lecture was started at 02:00 PM. The lecture was initiated with the importance of renewable energy in the current world and the energy crisis through which world is suffering. Primary focus was on the problems arising due to the decreasing amount of the drinkable water on the earth. He talked about the solar distillation system to convert the sea water in to the drinkable water and how to increase this distillate output by varying surface area, shape etc. The detailed costing, calculations and grid demands are introduced to curious students. Finally the session was ended by raising the question from student side and satisfactory answers from expert’s side.

Feedback from the students	Excellent	Very good	Good	Inadequate
1. Relevancy of Topics	60%	22%	18%	0%
2. Overall Quality of Contents	56%	34%	10%	0%
3. Duration of Expert Lecture	61%	21%	18%	0%
4. Communication by Faculty	54%	28%	18%	0%

### Lecture Participant :

Expert lecture was organized for students of 5th semester Mechanical Engineering. There were 15 students were present in Expert lecture.