

Department of Mechanical Engineering

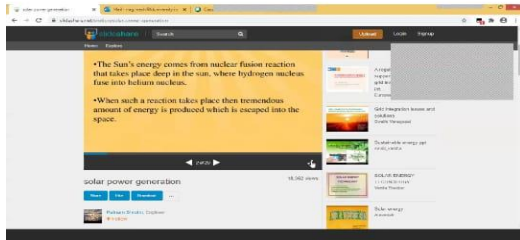


<b>Event</b>	<b>Solar power generation</b>
<b>Location</b>	<b>KLEF</b>
<b>Date of event</b>	<b>31-08-2020</b>

**Webex link:**

**<https://meetingsapac20.webex.com/meetingsapac20/j.php?MTID=mbb847c919d2f63e5d042866ba9eb859f>**

NSS unit of Mechanical Engineering Department has conducted **Solar power generation** awareness programme through webex online medium with all NSS core team members and faculty members the main moto of this program is to bring the awareness among the students to give the solution to the Adopted village area people, in many places they are having power problems like arid areas, so in order to avoid the power problems the awareness on **Solar power generation** is very help full. in order to overcome these problems we have discussed new techniques in the meeting on different solar power generation techniques . Students and faculty members were attended for this program.

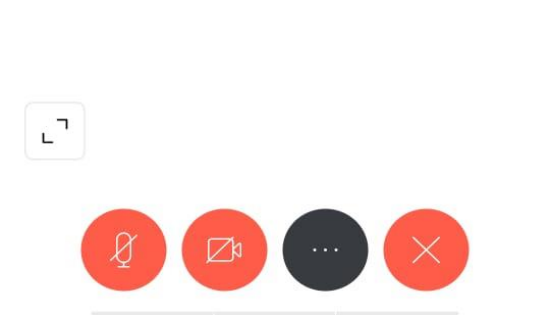
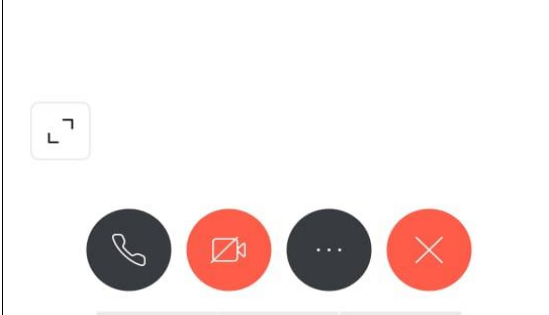
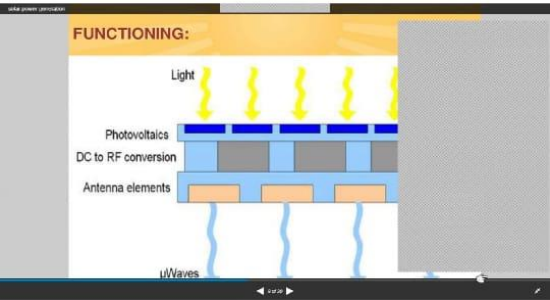
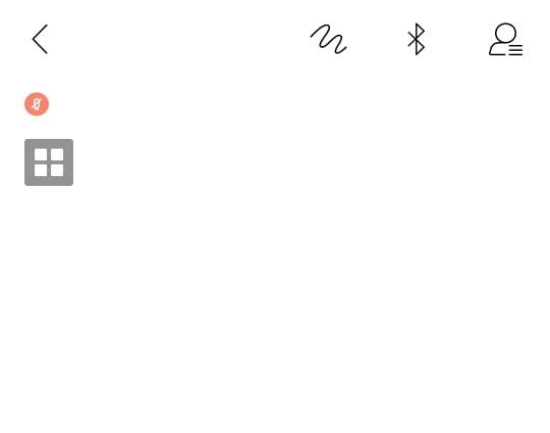


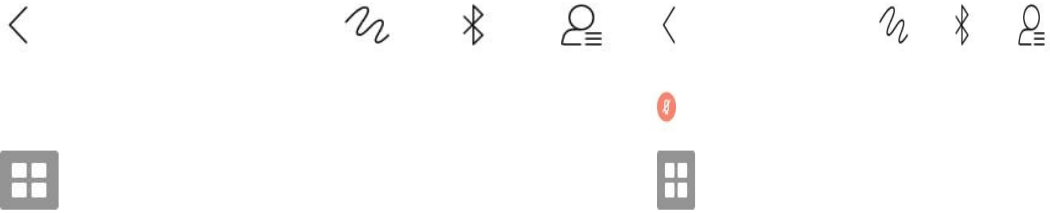
Search

- 180070163 Atl... (me)
- Naga Raju (host)
- 170020002 B...
- 170020012 Aja...
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- 170020093 YE...
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Chat

Raise Hand





### SOLAR PHOTOVOLTAIC TECHNOLOGY:

**Working of solar Photovoltaic cell:**

metal conductor strips

metal conductor

n-type silicon

p-type silicon

metal backing

Cross section of a PV cell

Photons from the sun break up the negative-positive pairs. Some electrons are knocked out towards the top layer and into the metal conductor strips, thus generating electricity.

The electrons (negative particles) move in to fill the holes (positive particles), creating an electric field in the p-n junction.

CELL

MODULE

ARRAY

electricity

### SOLAR ENERGY:

- The energy that is produced from sun is known as solar energy.
- The Sun's energy comes from nuclear fusion reactions that take place deep in the sun, where hydrogen fuses into helium nuclei.
- When such a reaction takes place then tremendous amount of energy is produced which is escaped into space.

Speaking: 180070163 Atluri pavan kalyan,...

