



राष्ट्रीयइलेक्ट्रॉनिकीएवंसूचनाप्रौद्योगिकीसंस्थान,कालीकट  
National Institute of Electronics & Information Technology, Calicut



सत्यमेव जयते

Ministry of Electronics and  
Information Technology  
Government of India

## Online Recorded Video Course Prospectus

*ISO 9001-2015 Certified*

**English Medium**

# Industrial Solar Power Plant Design & Operation

7<sup>th</sup> October – 18<sup>th</sup> October 24  
(24x7)

## Course Description-Course code ISP 400

Understanding the Solar Photo Voltaic cells parameters, Solar PV System Design and Integration. Operation of Sun tracking system, Survey of Location, Different type climatic influence and mitigation.

[Click Here to Register](#)

## Who can attend?

Anyone who is interested in learning Solar Power System and is designed for

- Students with 10<sup>th</sup> standard onwards can join the course.

## Course Content

Sl. No	Topic	Date	Time
1	Understanding solar cell parameter	07-10-2024	03:00 PM-05:00 PM
2	Solar PV System Design and Integration	08-10-2024	03:00 PM-05:00 PM
3	Selecting the solar PV system components	09-10-2024	03:00 PM-05:00 PM
4	Balance-of-System (BOS) of solar Power Plant	10-10-2024	03:00 PM-05:00 PM
5	Different Axis of Rotation	11-10-2024	03:00 PM-05:00 PM
6	Climatic influence & Mitigation	14-10-2024	03:00 PM-05:00 PM
7	Sun Tracking system	15-10-2024	03:00 PM-05:00 PM
8	Survey and Locating solar plant	16-10-2024	03:00 PM-05:00 PM
9	Robotic Cleaning	17-10-2024	03:00 PM-05:00 PM
10	Actuator and Sensor	18-10-2024	03:00 PM-05:00 PM

## Prerequisite (optional)

- Basic Knowledge about AC DC voltage current

## Fee and important dates

<b>Fee</b>	Rs. 2,400/- (Including GST)
<b>Last date for registration &amp; payment</b>	06 <sup>th</sup> October 2024
<b>Sharing of Link / passwords &amp; other details</b>	07 <sup>th</sup> October 2024

## Certificate

e-Certificate of participation will be mailed through registered email id after completion of the course.

Students should submit their scanned copy of educational qualification.

## Minimum Requirements

- Attendees must have a computer system with a good internet connection.
- Computer System Configuration – Windows OS 7/8/10, i3/i5, 32/64bit processor, Minimum 4GB RAM OR MOBILE PHONE with Internet
- Link to attend the course shall be forwarded on 7<sup>th</sup> October 2024

## Faculty Profile

Qualification and experience of the faculty:

Shri. C.Mohan, M.Tech with more than twenty years of Experience in Power Electronics and related areas.

## Course Coordinator

**Shri. C MOHAN**

0495 2287266(O)

Mobile & Whatsup 9487981147 10AM to 5PM

Email: [mohan@calicut.nielit.in](mailto:mohan@calicut.nielit.in)

<https://chat.whatsapp.com/LnFONzywyEA8pSbtkUV1nL>

## Terms and Conditions

- Attendance is required hence students after receiving link must login, access the recorded video classes and may download if required.. Students may attend online session also. Certificate will be issued based on following condition***
  - 50% attendance***
- Recorded video classes will be available for student to download and same will be played by faculty during online session. Faculty attend session only to clear student doubt and no live classes will be taken. Teaching is in English Medium only*
- In case the online course is cancelled /postponed due to some technical issue at NIELIT side and new date is not convenient to the candidate, our liability is limited to the refund of the course fee and NIELIT shall not be responsible for any consequential damages.*

For more details about our institution and facilities visit us

Website: <https://www.calicut.nielit.in/>

Twitter: [https://twitter.com/CAL\\_NIELIT](https://twitter.com/CAL_NIELIT)

Facebook: <https://www.facebook.com/CAL.NIELIT>

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*An Autonomous Scientific Society of  
Ministry of Electronics & Information Technology,  
Govt. of India*



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