

# Admissions 2025-26



## Solar Practical Workshop

Department of Renewable Energy

**ENROLL NOW**



Contact Us

**+91-981922 5503**

**UPTO  
40%  
DISCOUNT**

**INDIAN INSTITUTE OF SOLAR ENERGY**

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# ABOUT US

## Who We Are

IISE is an academic, research & Entrepreneurship development institute, a unit formed under Centre for Energy Research and Training. As a premier institution in the field of renewable energy education, research, and consultancy. We have trained more than 3000 students & stand at the forefront of India's transition towards a more sustainable energy landscape.

## Why Choose Us



### Expert Faculty

Our faculty includes professional engineers, Solar integrators & Developers, many of whom have owned & operated their own corporations & know what it takes to succeed in the solar business.



### 100% Practicals

Our content and modules are designed to 100% practical, highly effective and relevant to the present industry requirements by providing on-the-job training development programs.



### 100% Guaranteed Internship

Our guaranteed internship program ensures that students enrolling for our courses, kick start their successful career in the Solar industry.

## Career Opportunities

### Sales & Marketing

- Solar Sales Manager
- Solar Sales Engineer
- Solar Sales Consultant
- Solar Sales Executive

### Design & Engineering

- Manager - Solar Design & Engg.
- Solar Design Engineer
- Solar Structural Design Engineer
- Analyst - PV Syst

### Project Management

- Solar Project Manager
- Project Engineer
- Solar Site In charge
- Site Supervisor

### Operation & Maintenance

- Solar Plant Manager
- Maintenance Manager
- Plant Engineer
- Manager - Operations

# Meet Our Team



**Dr. Dnyaneshwar Malwad**

HOD - Department of Renewable energy

PHD in Solar Energy.  
12 research papers published in reputed international journals.  
Holder of 3 patents in Solar.



**Mr. Rajesh Unnikrishnan**

Program Director

IIT Mumbai NCPRE Certified Trainer.  
Electrical Engineer & EV Expert.  
MBA from Bradford University.  
20+ years Power sector experience.



**Dr. Srinivas Mangalampalli**

Associate Professor

Life member of Indian Physics Association. Member of Editorial Board of International Journal of Luminescence applications.



**Mr. Yogendra Kainthola**

Project Head – EPC,

Founder of Battery life 2.  
Co- Founder of Revive Battery EU  
Patent holder & Sole rights to battery regeneration machine



**Dr. Arpan Tewary**

Associate Professor

Research Topic: Insulation Testing & its Analysis of different technology based Solar Photovoltaic modules.



**Mr. Siddarth Deshpande.**

Dept. of Engineering Design

Expert in solar PV system design, energy modeling & simulation software.



**Mr. Rakesh Ambekar**

Solar Consultant & Trainer

10 + years of extensive experience in open access, Net metering & regulatory compliance.



**Mr. Sushant Pawar**

Dept. of Engineering Design

Industrial Visits for students, Training & Placement activities & Student Mentorship.

# ABOUT COURSE

## KICKSTART YOUR SOLAR CAREER WITH OUR 2-WEEK PRACTICAL WORKSHOP!

Are you an installer, technician, engineer or a aspiring entrepreneur struggling to break into the booming solar energy industry? You're not alone. Many skilled professionals find it difficult to land jobs in solar because they lack real-world, hands-on experience – which the employers demand. This Workshop is designed to help you bridge that gap. Through intensive, hands-on training guided by industry experts, you'll move beyond theory to gain practical, job-ready skills that open doors to employment and entrepreneurship in the renewable energy sector.

### ELIGIBILITY :

- The participants should be at ideally 10+2 or 10+ ITI & above to apply.
- Bachelor's Degree/ Graduate from a recognized university.
- Students appearing for their final graduation exam may also apply.

### THIS PROGRAM IS IDEAL FOR

- Anyone passionate about clean energy and sustainability
- Career changers seeking to enter the solar energy field.
- Professionals looking to expand their skillset in renewable energy.
- Individuals with a background in engineering or construction.

Solar workshop dates : **08<sup>th</sup> to 19<sup>th</sup> DEC 2025**

Last date for early bird offer: **20<sup>th</sup> NOV 2025**

Last date to apply: **22<sup>nd</sup> NOV 2025**

CONTACT [INFO@IISE.AC](mailto:INFO@IISE.AC) FOR MORE DETAILS

# COURSE STRUCTURE

## WHAT YOU'LL LEARN :

**Solar Energy Fundamentals:** Gain a strong understanding of solar radiation, solar cell technology, and photovoltaic system components.

**Hands on Practical Workshop :** Build familiarity with solar components and safe use of instruments. Students individually measure and record parameters of a solar module system

**Installation Expertise:** Develop practical skills in solar panel installation, including site assessment, electrical wiring, safety protocols, and system interconnection.

## Operations & Maintenance (O&M)

- Routine maintenance procedures
- Common faults and troubleshooting techniques
- Monitoring system performance using mobile/web tools

## Career & Business Readiness :

- How to start your own solar business or dealership
- Opportunities in installation, sales, service, and consultancy
- Government schemes, financing models, & entrepreneurship support.

## ADMISSION SCHEDULE:

Solar workshop dates : **08<sup>th</sup> to 19<sup>th</sup> DEC 2025**

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# LIMITED TIME OFFER

## HANDS-ON SOLAR PRACTICAL WORKSHOP – LIMITED TIME OFFER!

- Standard Workshop Fee: ₹ 29,999/-
- Early Bird Offer: Register before **20th NOV 2025** and pay just **₹18,000/-**

### Pay in Full & Save More:

Make a full payment and get an extra **₹ 2,000 OFF**

– Pay only **₹ 16,000 total!**

### Registration Options:

#### ✓ Option 1:

Book your seat with **₹ 5,000** only before **20th Nov 2025**

→ Pay balance **₹ 13,000** by **30th NOV 2025**

#### ✓ Option 2 : Pay in full now

→ Get **₹ 2,000** extra discount and pay only **₹16,000**

All the students in our inquiry database will be emailed first and given a chance to take admission on a first come first basis. Only **few seats** are available on offer allocated on a first-come, first-served basis.

- Standard Workshop Fee: ₹29,999/-
- Early Bird Offer: Register before **20th NOV 2025** and pay just **₹18,000/-**

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# Admission Timeline



## Step 1

### Course Application

- a. Pay registration fee ₹ 5000/
- b. Fill registration form

## Step 2

### Document Verification

Document verification

## Step 3

### Admission offer

Shortlisted candidates will be emailed a admission letter

## Step 4

### Start your course

Admission confirmation and fee payment. Log in to our LMS and start learning.



**APPLY NOW**



# TWO WEEKS SOLAR PRACTICAL WORKSHOP

## Week One : Fundamentals of Solar PV & Basic Electrical Tools

**Objective: Build familiarity with solar components & safe use of instruments.**

- Introduction to Solar PV System Components
- Solar cells, modules, batteries, inverters, charge controllers
- Basics of DC vs AC in solar applications
- Safety in Solar Practical Work
- Do's and Don'ts in PV measurement
- Personal Protective Equipment (PPE) usage.

### **Hands-On Practice:**

- Introduction to digital multimeter (range setting, probes, safety)
- Measurement of voltage, current, resistance on simple circuits
- Checking polarity of solar cells and modules.

## Week One : Testing of Solar Cells (Basic Unit of PV)

**Objective: Understand and measure performance of solar cells under light.**

### **Solar Cell Basics**

- Fundamentals of solar cells
- Working principle of solar cells,
- I-V characteristics
- Impact of light intensity and temperature.

### **Hands-On Practice:**

- a.Measuring open-circuit voltage ( $V_{oc}$ ) of single solar cells
- b.Measuring short-circuit current ( $I_{sc}$ ) of solar cells
- c.Effect of shading on solar cell output (partial shading experiment)
- d.Connecting cells in series & parallel and measuring combined output

# TWO WEEKS SOLAR PRACTICAL WORKSHOP

## Week One : Testing of Solar Modules

**Objective: Perform practical testing of modules**

### Solar Module Characteristics

- Standard Test Conditions (STC)
- Module I-V curve basics
- Voc and Isc measurements

### Hands-On Practice:

- Measuring Voc & Isc of a solar module under sunlight
- Testing series vs parallel connections of modules
- Effect of tilt and orientation on module performance.
- Using a multimeter & clamp meter for current measurement.

## Week Two : Balance of System (BoS) Practical Training

**Objective: Learn wiring, connections, and system integration.**

- Introduction to BoS Components
- Charge controllers, inverters, batteries, junction boxes, cables, fuses
- Hands-On Practice:

### Hands-On Practice:

- Connecting a solar module to a charge controller + battery
- Measuring charging voltage & current in the battery
- Testing load operation (DC lights, fans) from the system
- Use of MC4 connectors, crimping tools, cable sizing basics

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# TWO WEEKS SOLAR PRACTICAL WORKSHOP

## Week Two : Mini Solar Project & Performance Evaluation

**Objective: Apply all skills in a real-world mini-project.**

### Practical Project:

- Assemble a solar power system.
- Measure system parameters:
- Measure module voltage, current,
- Measure Battery charging/discharging values
- Demonstrate system performance under varying sunlight
- ACDB, DCDB wiring and interconnections
- Grid integration testing procedures
- Site commissioning checklist and approval documentation

### Week Two – Final Practical Test & Evaluation:

- Students individually measure & record parameters of solar module system
- Troubleshooting common issues (loose connections, polarity mismatch, shading losses)

### Workshop Closing:

- **Discussion on solar career pathways**
- **Certificates distribution**

### Highlights:

- **90% Practicals | 10% Theory**
- Focus on multimeter usage, measurement skills, and live testing
- Designed for students, technicians and entrepreneurs.

# HANDS ON PCP TRAINING

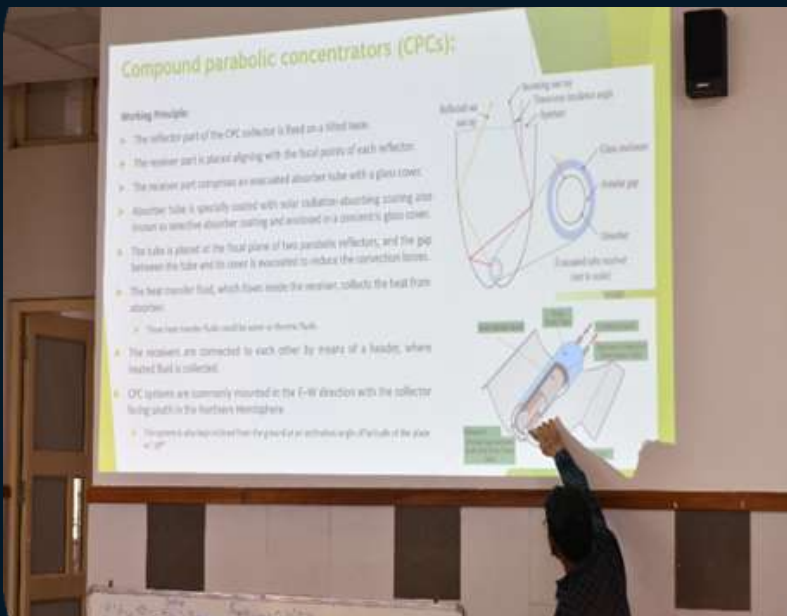


Our hands-on training program gives students real-world experience in designing, installing, and maintaining solar systems. This isn't just about learning theory—it's about getting practical skills that employers want.

CONTACT [INFO@IISE.AC](mailto:INFO@IISE.AC) FOR MORE DETAILS

# VISIT TO 50 MW SOLAR POWER PLANT AT COCHIN INTERNATIONAL AIRPORT

## INDUSTRIAL VISIT



# TOP RECRUITERS

**adani**  
Power

  
**BAJAJ**  
Bajaj Electricals Ltd.

**EXIDE**

  
**TATA POWER**

  
**HCT Sun**  
Selling power, not panels

  
**JAKSON**  
EMPOWERING PEOPLE  
Solar Energy Systems

  
**Mitsui Chemicals**

**WAAREE**<sup>®</sup>  
*One with the Sun*

J. v. G. technology GmbH   
The DESERT company

**tcqo**  
BY mahindra

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**Apply  
Now**



# Contact Us



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