



**SOLAR PHOTOVOLTAIC  
MASTER TECHNICIAN  
TRAINING PROGRAMME**

# **SOLAR Photovoltaic Master Technician Training Programme**

**Centre for Development of Imaging Technology (CDIT)**, the leading Total Solution Provider (TSP) and Accredited Agency in the state has been working in the domain of Green energy & Technology, particularly in Solar Photovoltaics from 2013 onwards. We have a talented pool of trained faculty, a full fledged solar photovoltaic laboratory and adequate infrastructure to facilitate our training activities in Solar Photovoltaics. C-DIT has offered various short term training programmes and residential programmes funded by NISE, MNRE, Govt. of India in Solar PV technology to different target groups and around 900 technicians/ electricians have been trained so far on design, installation and maintenance of solar PV power plants.

## **What do we Offer?**

Solar PV Master Technician Training Programme aims at training people to become master trainers in the domain of solar photovoltaics, especially in design, installation, operation and maintenance of solar PV systems. This short term training programme is designed for professionals having Diploma/B.E./ B.Tech. or equivalent qualification with knowledge in Renewable Energy and having an aptitude for training. The course will be an excellent opportunity to learn hands-on training in assembling and maintaining solar PV products and develop into good trainers in Solar PV Systems.

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## Programme Topics

- ✓ Energy Scenario
- ✓ Solar Resources and Methodology for Resource Assessment
- ✓ Solar PV System
- ✓ Solar PV Modules
- ✓ Energy storage technologies
- ✓ Difference between tubular, VRLA, GEL and Li Batteries
- ✓ Power Conditioning Units
- ✓ DC to DC Converters
- ✓ Wires, Connectors and Balance of Systems
- ✓ Electrical Regulations
- ✓ Procedures for setting up of Solar Power Plants
- ✓ Design Methodology of Solar Power Plants
- ✓ Design of customized Solar Power Plants
- ✓ Troubleshooting and Maintenance
- ✓ Safety precautions
- ✓ Routine maintenance of Solar Power Plants

## Who will benefit from the programme?

Persons meeting the below eligibility criteria and having

- ✓ Good training skills
- ✓ Retired engineers having aptitude for training
- ✓ Working professionals/ Instructors/ Tutors/ Lecturers in relevant field

## Eligibility for admission

Diploma or B.E./B.Tech or equivalent qualification with knowledge in Renewable Energy and having aptitude for training .

## Duration of Training and Mode of Delivery

- ✓ Duration of the training programme will be 5 days.
- ✓ Online/classroom sessions, practical sessions, site visit and interactive sessions.
- ✓ Sessions will be in hybrid mode.
- ✓ Practical sessions will be at C-DIT, Chitranjali Hills, Thiruvallam, Thiruvananthapuram - 695027

## Fee for the Training Programme

The fee will be Rs. 8,850/- (Rs. 7,500/- plus GST) (@18%) per participant. Amount may be remitted to A/C No: 852720110000083 and IFSC Code: BKID0008527 Bank of India, Thiruvallam Branch in the name of C-DIT.

## Training Schedule

The tentative schedule of training is from 19/06/23 to 23/06/23

## Assessment & Evaluation

C-DIT will conduct continuous assessment and evaluation tests. Successful candidates will be awarded certificates.

## How to Register?

Interested persons may register for the programme through [www.cdit.org](http://www.cdit.org).

Scan here for registration :



## **CONTACT ADDRESS**

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Head of the Department  
Green Energy & Technology Department  
C-DIT, Chitranjali Hills, Thiruvallam PO,  
Thiruvananthapuram - 695027  
Contact Number: 9895788233  
email:greentech.cdit@gmail.com. website: [www.greentech.cdit.org](http://www.greentech.cdit.org)