



*Training Program
On*

Solar cell & Module Manufacturing

***BECOME A SOLAR
MANUFACTURING
EXPERT WITH NISE***

**Unlock Career
Opportunities in Solar Cell
& Module Manufacturing
Industry**

Organized by

**NATIONAL INSTITUTE
OF SOLAR ENERGY**

**Address: National Institute of Solar Energy Gwal
Pahari, Faridabad Highway Gurugram – 122003,
Haryana. Phones: 0124-2853038**

NATIONAL INSTITUTE OF SOLAR ENERGY, GURUGRAM

NISE is an autonomous specialized institute under the Ministry of New and Renewable Energy (MNRE), Government of India, mandated for research and development, solar component testing and certification, capacity building, and development of solar products and applications. The technical support of NISE complements the requirements of MNRE to become a self-reliable renewable power producing nation and accept the series of challenges intervened in amidst of implementation of the National Solar Mission (NSM). NISE is strengthening skilled manpower through its Suryamitra program and other capacity-building efforts. To meet the growing industry demand, NISE is launching a short-term training program on solar cell and module manufacturing, aiming to equip youth with advanced skills and support India's solar manufacturing capabilities.

COURSE OBJECTIVES

- Impart theoretical and practical knowledge of solar cell and module manufacturing.
- Develop skills for operating and maintaining manufacturing equipment.
- Familiarize students with environmental health, safety (EHS), and industrial safety practices.
- Provide hands-on industry exposure through on-job training (OJT).

COURSE CONTENTS

- Module 1: Basics of Solar Energy & Manufacturing
- Module 2: Solar Cell Manufacturing - Wafer production, texturing, doping, passivation, hands-on training in EQE, I-V, EL testing, laser scribing.
- Module 3: Module Assembly & Testing - Cell interconnection, lamination, framing, flash testing, EL imaging, hot spot detection.
- Module 4: EHS & Industrial Safety - Fire safety, first aid, PPE, chemical handling, mock audits.
- Module 5: 2-Week Industrial OJT - Live experience in solar cell and module manufacturing facilities.

WHO ARE ELIGIBLE?

Diploma/B.Tech in ME/EE/ Electronics/Instrumentation or any other relevant branch of Engineering.

Or

B.Sc. (PCM)/M.Sc. (Physics)

IMPORTANT DATES

Last date of Registration: August 25, 2025

Date of Commencement: 15 September 2025

**Admissions are Purely on First-Come, First-Serve
Basis**

IMPORTANT INFORMATION

Duration: 2.5 Months (8 Weeks + 2 Weeks OJT*)

**Mode: Offline Theory + Practical + On-Job
Training**

Limited Seats: 30 Participants

Course Fee: ₹10,000 (Including GST)

Accommodation Fees: ₹12,000 (Including Food)

33% Seats are reserved for Women candidates.

***Note: Candidate will bear the expenses during**

OJT

For Any Query Phones: 0124-2853038

For Registration Click or Scan



COURSE COORDINATORS

Dr. Vikrant Sharma

Dr. Azim Alam Khan