



केन्द्रीय शैक्षणिक एवम् तांत्रिक माहिती संशोधन समीती

CENTRAL EDUCATION & INFORMATION TECHNOLOGY RESEARCH COMMITTEE
AN AUTONOMOUS INSTITUTION REGD. BY THE GOVT. OF NCT OF DELHI UNDER ITA 1882 GOVT. OF INDIA
REGD. BY NCS-MINISTRY OF LABOUR AND EMPLOYMENT, GOVT. OF INDIA
REGD. AT MINISTRY OF MICRO, SMALL AND MEDIUM ENTERPRISES (MSME), GOVT. OF INDIA
An Autonomous Organization works for IT, HRD & Literacy

Diploma In Solar System Engineering

Description

This training course establishes fundamental concepts required for safe, code-compliant design and installation of photovoltaic (PV) systems. It mainly focuses on residential-sized grid-direct solar electric systems. The goal of the Advance Solar Engineer online certificate course is to create a fundamental understanding of the core concepts necessary to work with all PV systems. The complete Solar Engineer Certificate course provides you with the necessary knowledge and skills to work effectively in the Solar PV industry. Our training courses cover the entire Solar system planning and design process, It also covers the specification, installation, set up and maintenance of key system components such as Solar panels, Inverters, Batteries, and cabling etc.

Course Content

- Introduction to Renewable energy
- Basics of Electricity
- Solar Radiation Basics and Measurement
- Solar Path – Video
- Working of Solar Cells
- Solar PV Modules
- Solar PV Module Arrays
- Basics of Charge Controller
- Inverter Basics
- Solar Batteries



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- How to audit an electricity bill
- Site audit & assessment
- Components Selection
- Balance of Systems Components
- Safety in Installation of Solar PV Systems
- Solar PV Systems Design and integration



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