



CERTIFICATE COURSE IN ROOFTOP SOLAR SYSTEM

Introduction:

- Energy Classification
- Introduction to different renewable energy

Basic Electrical Manual Training:

- Discussion about Ohms law, Current, Voltage, KCL, KVL.
- Transformers.
- Alternators,
- Protection systems
- Control Room Operations
- Machine operations

Photovoltaic Systems:

- Types of Solar Cells,
- Batteries,
- Charge Controller,
- AC/DC Systems,
- Balance of system components,
- Wiring design,

Designing of Rooftop Solar System:

- SLD and Design of Solar PV System (both ongrid & offgrid)

Basic introduction to Solar Products:

- Solar street lighting system,
- Solar home lighting system,
- Solar water heating system
- Solar Pumps
- Solar lantern

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Troubleshooting of Solar Plant Faults

Operation and Maintenance of Solar Plant

Practical Classes

Industrial Visit: Students will be provided with practical examples by taking them for the Onsite Visit.

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