



7 DAYS CERTIFICATE PROGRAMME IN RENEWABLE ENERGY

Induction: (1 Day)

- Energy Classification
- Introduction to different renewable energy

Basic Electrical Manual Training: (1 Day)

- Electric Current and its terminology
- Measurement of electric current
- Series and parallel connections
- Magnetism and its terminologies
- Direct current vs Alternating current
- Discussion about Ohms law, Current, Voltage, KCL, KVL.
- Transformers & Alternators
- Protection systems
- Control Room Operations
- Machine operations
- Energy Storage and its applications
- Safety Measures

Photovoltaic Systems: (1 Day)

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

Designing of Rooftop Solar System: (1 day)

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

Installation Process of Solar Plant in Rooftop solar Plant in RCC & Shed (1 day)

Safety & EHS Training and Tool identification : (1 day)

Troubleshooting of Solar Plant Faults & Operation and Maintenance of Solar Plant (1 Day).

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