



## **CERTIFICATE COURSE IN SOLAR MANAGERIAL/ENTREPRENEURSHIP DEVELOPMENT**

### **Induction:**

- 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)
- BOQ Formulation

### **Basic introduction to Solar Products:**

- Solar street lighting system,
- Solar home lighting system,
- Solar water heating system
- Solar Pumps
- Solar lantern
- Designing of different Solar Products

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## **Troubleshooting of Solar Plant Faults**

## **Operation and Maintenance of Solar Plant**

## **Basic introduction to Solar Market**

## **Basic introduction to Solar Marketing & Marketing strategy**

## **Basic introduction to Renewable energy Policies & Subsidies**

## **Other Renewable energy Sources:**

- Other renewable technologies like hydro, biomass, biogas, wind etc,
- Project report preparation,

## **Designing of Ground Mounted Solar System**

## **Soft Skill Development**

- leadership quality,
- Supervisor training,
- Guidelines of entrepreneurship.
- Personality Development
- Soft Skill Training

## **Practical Classes**

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

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