



STAR-CENTRE

# Role: Solar PV Maintenance Technician

## Responsibilities:

### 1. Installation:

- Installing solar panels and associated equipment on rooftops or ground-mounted systems
- Conducting site assessments to determine optimal panel placement

### 2. Maintenance and Repair:

- Conduct routine evaluations to confirm the efficient operation of solar systems, identifying and addressing any potential issues before they escalate
- Diagnose and resolve faults in solar systems, including inverters and batteries, to restore optimal functionality and performance

### 3. Electrical Work:

- Connecting solar systems to the electrical grid, ensuring proper grounding and safety measures
- Conducting electrical testing and inspections to comply with safety standards

### 4. Documentation:

- Keeping detailed records of maintenance activities and repairs
- Ensuring all solar installations comply with local, state, and federal regulations, maintaining legal standards and safety protocols for optimal system performance

### 5. Customer Support:

- Providing technical support and guidance to clients regarding system performance and maintenance needs

## Qualifications:

**Minimum Requirement:** A high school diploma or equivalent (10th grade).

### Preferred Qualifications:

- Vocational training certification in Electrical or Electronics (by industrial training institute or university or concerned ministry).
- Diploma in Electrical Engineering or related fields.

- Successfully complete specialized courses in photovoltaic technology from accredited institutes to enhance expertise and industry knowledge

## **Skills:**

1. Strong understanding of solar panel installation and maintenance
2. Familiarity with electrical systems and components.
3. Quickly diagnose and resolve issues in solar systems, ensuring efficient functionality and minimal downtime
4. Precision in following safety protocols and installation guidelines.
5. Capability to perform physically demanding tasks, such as lifting heavy equipment and working at heights.
6. Skilled in reading and interpreting blueprints and schematics for proper installation
7. Knowledge of safety standards and regulations related to solar installations