



## COURSE INFORMATION

### COURSE TITLE

Solar power technology

### LEVEL

National Certificate (NC) Level 2

### COURSE OBJECTIVE

Upon completion of this training program, the trainees will be able to:

- Apply fundamentals of electricity;
- Carry out residential electrical wiring;
- Carry out installation and maintenance of Solar Photovoltaic system; and
- Carry out installation and maintenance of Solar Water Heating system

### COURSE DESCRIPTION

This curriculum is designed to provide knowledge, skills and right attitude of an individual to be a competent Solar Power Technician in accordance with industry standards through the mode of Dual Training Program (DTP). This course is based on practical exposure in different areas as required in the real world of work in the industry.

Upon completion of the course, graduates will be able to perform basic electrical and solar power works such as: applying fundamentals of electricity, carrying out residential electrical wiring, carrying out installation & maintenance of Solar Photovoltaic System and Solar Water Heating System.

In addition, this course will also prepare the graduates to comply with regulatory and organizational requirements for practicing Occupational Health and Safety procedures.

This course also includes the soft skills components such as basic computer application, entrepreneurship, numeracy, communication and value education to supplement core competencies and enhance practical skills.

### COURSE DURATION

The duration of the course is designed for 6 months with a total of **839 hours** inclusive of soft skills. The pre-training course of 2.5 months at the beginning of the course (1.5 months of soft skills & 1 month of core skills) will be conducted in the institute to prepare trainees to undertake hands-on skills in the industry. Subsequent to the completion of pre-training course, the trainees shall attend 2.7 months block release in the partner industry which comprises of practical components of the course. Further, the trainee shall attend 0.8 months (0.5 months soft skills & 0.3 months of core skills) for final review of the overall course in the institute before preparing for National Assessment.

### ENTRY REQUIREMENT

Completed Class X