

Course Name: Solar Power Installation Operation and Maintenance.

Introduction: This course is certificate awarded. This course will help the student to understand solar power and know the benefits of this energy. The student will have to give exam for the certificate. The student will be able to maintain the solar power to its best utility.

Duration: 7 weeks

Solar Power Installation Operation and Maintenance:

This course is certificate course.

- A concrete understanding of the solar power installation and operating its utility for delivering power.
- To learn and understand the operation of solar power and maintenance of the system.

How to procure the certificate:

The learners shall have to take examination or give an assignment which will be design by the course instructor. To successfully complete the course and receive the certificate student should attain 55% in examination

Syllabus of Solar Power Installation Operation and Maintenance:

- a. Basics of Electricity and Electronics
- b. Basics of Electronics
- c. Solar PV systems
- d. Solar Battery Charge controller
- e. Invertors
- f. Installation, Commissioning, Maintenance and Fault Finding.

Aim and Objective:

The aims and objectives of this course are listed below:

- Basics of PV system.
- Construction of solar panels.

- Installation of PV systems
- Commissioning, Maintenance and Fault Finding.

Program Outcome: Students will know the Basics of PV system and construction of solar panels.

Students will learn to install Solar panels and make PV system wiring.

Students will learn to implement and analyze fault in the PV system.

Total Students Enrolled and Successfully completed the course:

Year	Student enrolled	Successfully Completed candidate
2021	Nil	Nil
2022-23	10	8
2023	–	–

Admission Process:

- The candidates who are willing to apply should be any graduate or 10+2 passed undergoing graduation.
- The candidates should check the eligibility criteria and course details from the college website or can contact course instructors.
- The candidates should give the required documents which is needed while filling the course certificate form.
- The students shall have to pay the required amount after completing the certificate course for certificate.