
Diploma in Solar System Maintenance Operator – 1 Year

Semester – I

S. No.	Paper Numerical	Unique Class & Papers	Paper Name / Subject
1	37101	1DSSMO1	Basics of Solar PV Systems
2	37102	1DSSMO2	Solar Panel Components & Structure
3	37103	1DSSMO3	Electrical Safety & Testing Instruments
4	37104	1DSSMO4	Maintenance Tools & Techniques

Course Details:

- PV modules, charge controller, inverter, battery basics.
- Mounting systems, cabling, junction boxes.
- Multimeter use, insulation testing, voltage checks.
- Cleaning, tightening, rust-proofing, routine checks.

Semester – II

S. No.	Paper Numerical	Unique Class & Papers	Paper Name / Subject
1	37201	2DSSMO1	Solar PV System Maintenance
2	37202	2DSSMO2	System Diagnostics & Troubleshooting
3	37203	2DSSMO3	Installation Supervision
4	37204	2DSSMO4	Practical Work / Project File

Course Details:

- Cleaning schedule, wiring inspection, performance check.
- Identifying faults in PV modules, wiring, controller & inverter.
- Supervising small-scale installations.
- Complete maintenance report project.

