

# Solar Panel Installation & Solar Energy Technology (1 Year Course)

Duration: 1 Year | Pattern: Semester Wise (2 Semesters)

## Semester – I

Subject Code	Subject Name
SPI-101	Introduction to Renewable Energy & Solar Energy
SPI-102	Basics of Electrical & Electronics
SPI-103	Solar Radiation & Photovoltaic Technology
SPI-104	Solar PV System Components
SPI-105	Electrical Safety & Work Practices
SPI-106	Solar Tools & Equipment

## Semester – II

Subject Code	Subject Name
SPI-201	Solar Panel Installation Techniques
SPI-202	Solar System Design & Load Calculation
SPI-203	Inverter, Battery & Charge Controller
SPI-204	Solar Wiring, Earthing & Protection
SPI-205	Operation, Maintenance & Troubleshooting
SPI-206	Project Work / Industrial Training