COMFRONT INSTITUTE OF TECHNOLOGY

Accredited Training Partner • Directorate of Skill Development, Govt. of Tripura • NSDC & NCVET Aligned

Central Administrative Campus: Ramkrishna Sarani, Kumarghat, Unakoti District, Tripura - 799264

SOLAR PV ROOFTOP INSTALLATION & SOLAR LIGHTING

NSQF Level 4 • 600 Hours (4.5 Months) • Ref: CIT-CRS-SOLAR02 • Academic Year 2025-26

Sector Skill Council Affiliation

Skill Council for Green Jobs (SCGJ)

Course Duration & NSQF Certification

600 Hours (4.5 Months) (NSQF Level 4 Certification by NCVET)

Minimum Educational Eligibility

Class 10th / 12th pass with basic numeracy and literacy.

Curriculum Modules & Laboratory Schedule

Module 1: Principles of Photovoltaic Solar Power Generation
Module 2: Solar Panel Mounting & Structural Roof Assessments
Module 3: Inverter Cabling, Charge Controllers & Battery Bank Sizing
Module 4: Grid-Tied vs Off-Grid Systems & Net-Metering Setup
Module 5: Solar Street Light Assembly, Soldering & Maintenance
Module 6: High-Voltage Electrical Safety, Earthing & Lightning Arrestors