

Solarizer

Day 1

Part 1 (Introduction talk)

Solar Energy Scenario in India & Job Opportunities

Basics of Solar Photo Voltaic Technology(PV)

-----Quiz and technical activity with gift distribution

Part 2 (Simulation Software PVSYST & PV System Design)

Basics of simulation tool

Concepts of PV System Design

Design a Solar Power Plant to light/power your own house/college

Understand the Variables that determine PV system size based on international model

Understand the system design using simulation tool

Hands on experience to determine PV size, Inverter & Battery Capacity using tool

Estimation of monthly power generation and financial savings

-----Quiz and technical activity with gift distribution

Part 3 (Product Demonstration & Discussion)

Solar Tracker

Solar Stand Alone System

Day 2

Part 4 (Hands on Session-Practical Soldering)

Practical 1:

Solar Operated Mobile Charger (1 Kit between a team of 4)

Design and build your own Solar Mobile Charger

Get practical insight into basic and advanced features

Practical 2:

Light seeking bot (1 Kit between a team of 4)

Design and build your own Light Controller

Get practical insight into basic and advanced features

Part 5 (Distribution of Take Away Kit individual kit)

Solar Mobile Charger

Solar Panel 1Wp