Solarizer

This course is a 2 days training program which is designed with an objective of empowering students in Solar. After attending this program students will be able to design a Solar Power Plant for their House/College. Students will also get the practical knowledge and skills to develop solar products which will boost their Entrepreneur skills.

Content:

Day 1

Part 1 (Introduction talks)
● Solar Energy Scenario in India & Job Opportunities
● Basics of Solar Photovoltaic Technology (PV)

11:30 PM- Talk on Energy Scenario in India - Mr Rajesh Kumar, Regional Executive Director (Western Region 1), NTPC Limited

Part 2 (Simulation & 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

Day 2

Part 3 (Hands on Session)
● Solar Operated Mobile Charger
● Design and build your own Solar Mobile Charger
● Get practical insight into basic and advanced features
● Light seeking Robot
● Design and build your own Vision 180
● Get practical insight into basic and advanced features

Part 4 (Product Demonstration & Discussion)
● Solar Tracker
● Solar intensity meter

The Faculty:

IIT Bombay Prof. Dr. Chetan Singh Solanki will address the students with an introduction talk in solar energy field.

Note: Techfest, IIT Bombay Certificates to all participants (only if participant attends all the sessions).