

## **Solar Technology**

Renewable energy and Power Electronics. These two fields of electrical engineering are the most trending areas of development and research in the world. Solar power conversion has been a very demanding area of engineering in the last decade, as more and more funds are being invested in solar energy.

The power crisis we face today is causing a lot attention to fall upon solar technology development and research. Day by day, the need to increase power conversion efficiency defines the pivotal role played by power electronics.

HT India Labs offers you a unique opportunity to learn the concepts behind this pioneer technology that is changing the world as we speak. This workshop would introduce you to the core electrical concepts behind PV Technology and Power Converters. Furthermore, you will be trained in MATLAB software usage and simulation techniques. Since most final year projects pursued by circuit engineering students are based on MATLAB, this workshop would be an amazing opportunity to learn this software under expert guidance.

There will also be an instructive tour of the Grid Connected PV Array. Software would be provided to all the participants!

### **What can you expect from this workshop?**

1. Introduction to PV technology.
2. Basics of power convertors.
3. Design of power convertors using Simulink.
4. Simulation of Power convertors.
5. Visual tour of grid connected PV array

**Duration:** 14 hours spread over 2 Days.

**Eligibility:** Anyone Interested can participate

**Fees:** Rs. 1200/- per head inclusive of all taxes.

