



Government of Pakistan  
(Ministry of Science & Technology)

# Institute of Industrial Electronics Engineering

Pakistan Council of Scientific & Industrial Research (PCSIR)



## Interactive Lecture Program on

### Trending Technology: Basics of Solar PV system

**Objective:** This training program is designed to provide participants with a comprehensive understanding of Solar PV systems and their practical applications. Through expert-led lectures and interactive discussions, attendees will gain insights into essential concepts and practices, including:

- **Implementing Efficiencies:** Identifying and applying methods to increase efficiency of usable devices.
- **Solar PV Components, Tools, and Units:** Understanding the key elements of a solar system and the tools required for installation and maintenance.
- **Solar Site Analysis:** Learning techniques for assessing the feasibility and potential of a solar installation site.
- **Types of Inverters:** Exploring various inverter technologies and their role in system functionality.
- **System Design:** Mastering the fundamentals of designing efficient and reliable solar systems.
- **Mounting Structures:** Evaluating structural options and installation practices for durability and performance.
- **Installation and Commissioning:** Gaining insights into best practices for system installation and successful project commissioning.

By the end of the course, participants will be equipped with the knowledge and skills to design, analyze, and implement Solar PV systems effectively. This program is ideal for beginners as well as professionals looking to enhance their expertise in renewable energy solutions.

CPD Category: C

Date : 09-12-2024.

**Course Timings:** 10:00 Hours – 13:00 Hours.

CPD PEC Credit Points: 0.5

Course Fee: 1000/= (Rupees One Thousand only).  
500/= (Rupees Five Hundred Only).[For Students], Current IIEE students are exempted

Pay order should be in favor of “**IIEE (PCSIR) Student Fund Account**”. **Only Pay orders are accepted.**

**Resource Person:** Engr. Nabel Bari & Engr. Shah Saleem

**For Registration:** Email at [sameer@iiee.edu.pk](mailto:sameer@iiee.edu.pk).