



UNIVERSITI  
TEKNOLOGI  
MARA

Institut  
Penyelidikan Solar

# COMPREHENSIVE COURSE ON PHOTOVOLTAIC (PV) DATA ANALYSIS

## WITH GNU PLOT

**SPEAKER**



**DR. AHMAD  
MALIKI OMAR**

Master Trainer:

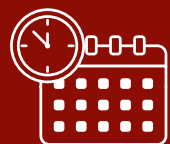
- GCPV Design Course (PTM; KeTTHA; SEDA, Malaysia)
- OGPV Design Course (SEDA, Malaysia)
- PV Chargeman & Wireman Course (SEDA, Malaysia)
- PV Installer Course (SEDA, Malaysia)

Expertise:

- Power Electronics converters
- Microcontroller applications
- Automation using PLC
- Grid Connected Photovoltaic (GCPV) System
- Off Grid Photovoltaic (OGPV) systems

**23- 24  
SEPT  
2024**

UiTM-MTDC Technopreneur  
Centre,  
Universiti Teknologi MARA,  
40450 Shah Alam, Selangor,  
Malaysia.



**8AM- 5PM**

### ABOUT COURSE

This intensive short course aims to equip participants with the essential skills and knowledge required for in-depth analysis of Photovoltaic (PV) data using Gnuplot. Over two days, participants will delve into the foundations of PV systems, various types of PV data, and the intricacies of the Gnuplot software. The course is meticulously structured to cater to both beginners and those with some prior knowledge of data concepts.

### COMPREHENSIVE COURSE INCLUDES

Introduction to PV system and Gnuplot Software

1. Understanding PV Data and Gnuplot Software
  - a. Foundations of PV Systems and Data
  - b. Types of PV Data and Data Collection
2. Gnuplot Basics
  - a. Getting Started with Gnuplot
  - b. Plotting Fundamentals

Advanced PV Data Analysis Techniques with Gnuplot

1. Time-Series and Comparative Analysis
  - a. Time-Series Analysis in PV Systems
  - b. Comparative Analysis and Multi-Variable Plots
2. Gnuplot Practical Applications
  - a. Applying Gnuplot to real-world PV datasets

### RELEVANCE TO

- Engineer / Qualified Person
- Technician/ Chargeman / Wireman
- Contractor / Service Provider
- Project Manager/ Regulator
- Academia / Researchers

### REQUIREMENT

- All participants must bring their own computers for use during the course.
- This course is designed for participants with a basic understanding of data concepts. Practical exercises will involve hands-on application of Gnuplot to enhance participants' analytical skills.
- Gnuplot is a free software and can be downloaded from the Gnuplot website.
- All participants are encouraged to bring their own dataset.

### FEE PER PARTICIPANT



**RM1,500.00**

**BOOK NOW**



<https://forms.gle/iRYrb97bJ3JZXudLA>