



UNIVERSITI  
TEKNOLOGI  
MARA

Institut  
Penyelidikan Solar

# INTRODUCTION TO GRID-CONNECTED PHOTOVOLTAIC (GCPV) SYSTEM DESIGN

Institute of Business  
Excellence (IBE), Kompleks  
Al-Farabi, Aras 4, Jalan  
Usahawan, Universiti  
Teknologi MARA, Shah  
Alam, Selangor

14-15 AUGUST 2023



## SPEAKER

### DR. MOHAMAD ZHAFRAN HUSSIN

#### PROFILE

- Senior Lecturer, Faculty of Electrical Engineering, UiTM Cawangan Johor
- Industrial Attachment: Solar Power Dua Sdn Bhd. Project Delivery + O&M, 25MWac LSSPV2, Pasir Gudang
- Certificate of Proficiency: Malaysia Smart Grid Training Program, Solar Photovoltaic, GEF6, Malaysia
- Certified Person: Wind Turbine Course: Center for Wind Energy Technology (CWET), India
- Qualified Person: "Testing, "Testing and Commissioning (T&C) Bagi Semua Sistem Solar Fotovoltan (PV) Di Seluruh Malaysia Dalam Skema Feed in Tariff", SUSTAINABLE ENERGY DEVELOPMENT AUTHORITY (SEDA) Malaysia
- Expert Panel, JTPS Penilaian Dokumen Standard Bidang "SOLAR PV SYSTEM" (TAHAP 2 & 3)-National Occupational Skills Standards (NOSS).

## COURSE CONTENT INCLUDES:

- Introduction to PV Power system
- Introduction to Grid Connected PV (GCPV) System
- Design and Sizing of GCPV Systems
  - Dimensioning of PV Array
  - Matching of PV Array to Inverter
  - Other BOS Components and Integration
- System Performance and Evaluation
- Tools and Measurement
  - Solemetric PVA-1500V PV Analyzer & DJI Matrice 300 RTK Thermal Drone

**LIMITED PLACES !!**

**FEE: RM1,200 per participant**  
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