

# 2-SATURDAY COURSE ON ELECTRICAL ENGINEERING DESIGN: PROTECTION FOR SAFETY



TRAINING PROGRAMME NO:  
10001696914  
MyCo ID:  
PPM0011005011959

TRAINING  
DATES

JUNE 2026: 13 & 20



HYBRID COURSE  
(ONLINE & PHYSICAL)  
ZOOM & WISMA IEM



LIMITED TO  
20 PARTICIPANTS



2 SATURDAYS  
9 AM - 5 PM  
13 & 20 JUNE 2026



ONE OF EIGHT STRUCTURED  
TRAINING MODULES IN  
ELECTRICAL  
ENGINEERING DESIGN SERIES

## Course overview

**BEM Pre - Approved CPD Hours: 12**  
**Ref No.: IEM26/HQ/207/C (h)**

This course is designed to strengthen your understanding of the following areas:

1. Recognise electrical hazards, including direct contact, indirect contact, thermal, overcurrent, static and arc-related risks.
2. Describe suitable controls, PPE and basic HIRARC principles using the hierarchy of controls.
3. Relate Malaysian legal requirements and MS IEC 60364 principles to electrical safety.
4. Distinguish basic protection from fault protection for direct and indirect contact.
5. Calculate three-phase short-circuit currents using IEC 60909, ohmic and per-unit methods.
6. Use sequence networks to calculate earth and line-to-line fault currents.
7. Relate fault-current results to switch gear ratings, relay/RCD settings and safety decisions

Learn all courses from your  
home or IEM classroom

 03-7890 0137 (Structured Training)

 [iemst@iem.org.my](mailto:iemst@iem.org.my) / [farezah@iem.org.my](mailto:farezah@iem.org.my)



**JOIN NOW**

FEES	PHYSICAL CLASS (RM)	ONLINE CLASS (RM)
<b>Corporate Member</b>	800	700
<b>Graduate Member / Senior Graduate</b>	800	700
<b>Non-Member</b>	1200	1100

**\*All fees are subject to 8% SST and any applicable HRDC charges. Different charges apply for the normal rate. Please contact Secretariat for details.**

## COURSE FORMAT

The course consists of classroom presentations. Participants are encouraged to actively engage in discussions. For online class, the participants are required to switch on their camera for verification purposes any time requested.

## INFORMATION ON REGISTRATION

Registration fees cover course notes. If a place is reserved and the intended participants failed to attend the course on the date of the event the fee is to be settled in full. Booking fee paid is non-refundable. However, substitution of participants will be permitted with approval by IEM. In view of the limited places available, intending participants are advised to send their registration as early as possible so as to avoid disappointment.

The Special Committee reserves the right to alter or change the programme due to unforeseen circumstances. However, every effort will be made to inform registered participants of any changes.

If you require further details or clarifications kindly contact the IEM Secretariat at:

The Institution of Engineers, Malaysia  
 Lot 60/62, Jalan 52/4  
 46720 Petaling Jaya  
 Selangor Darul Ehsan

 **03-7890 0137 (Structured Training)**  
 **iemst@iem.org.my / farezah@iem.org.my**



**JOIN NOW**

# THE FACILITATOR



## **Ir. Assoc. Prof. Dr Wong Jianhui MIEM, PE**

- Ph.D holder in Electrical Engineering, HRDF accredited trainer awarded by Human Resource Development Corporation (HRD Corp).
- Research engineer with 11 years of extensive experience in the area of power system analysis and energy management.
- Principal investigator of the national and international funds, and diligent team member in fourteen (14) research projects with a total grant amount of RM 4.54 million.
- Edited a book, published 3 book chapters, 23 high-impact journals, and 17 international conference papers from the research outcomes of her projects.
- Co-inventor of three (3) research patents. Passionate lecturer with substantial training and teaching experience specializing in power system analysis, power system protection, energy management, and electrical building services.
- Qualified Huawei HCIA-DCF Systems Instructor.
- Has advanced knowledge and skill in using power system software including ETAP, PSCAD/EMTDC, and DigSilent Power Factory.