

You are invited to:

## 1 Day Seminar on IEC Standards for Low Voltage Distribution

Organised by  
Electrical Engineering Technical Division, IEM  
In Collaboration with Siemens Malaysia Sdn Bhd



BEM APPROVED CPD/PDP: 7 Hours  
REF. NO.: IEM25/HQ/278/S

18th July 2025, Friday

8.30am until 5.40pm

Junior Ballroom, Level 11, DoubleTree by Hilton Johor Bahru

RSVP by **8th July 2025**

*\*Refreshment, tea breaks and lunch provided*

### Our Speakers



**Manish Patil**

Mr. Manish Patil is a result-oriented professional with more than 18 years of experience in Business Development, Sales, Marketing and Electrical power distribution system design. Graduated from University of Mumbai, India in Bachelor of Electrical Engineering. Mr. Manish has an excellent interpersonal, trouble shooting skills in establishing quality systems/ procedures. He complete an assistance for electrical design work for Medium Voltage & Low Voltage Distribution, including preparation of Tender documents, switchyard testing & commissioning.



**Prasad Adiwarekar**

Mr. Prasad Adiwarekar has more than 16 years of work experience of designing electrical power distribution system for building infrastructure & industry. Graduated from University of Mumbai, India in Bachelor of Electrical Engineering, Mr. Prasad trained by experts in Siemens Germany on Electrical Network planning and SIMARIS engineering software tools. He also has an advance knowledge of Siemens low voltage power distribution products & switchboard solution including knowledge in relevant national and International Standards (IEC). He is adept in handling Low voltage switchgear selectivity topic and release coordination analysis. Has been worked as technical consultant for Mechanical Electrical public heath engineering consultancy services of large building & infrastructure projects and also have Certification of AutoCAD software

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"IEC Standards for Low Voltage Distribution" outlines the International Electrotechnical Commission's guidelines for the safe and efficient design, installation, and operation of low voltage electrical distribution systems. These standards ensure the reliability, interoperability, and safety of electrical components and systems used in residential, commercial, and industrial settings. They cover aspects like wiring, circuit breakers, switchgear, and protection devices, providing a comprehensive framework for maintaining electrical safety and performance globally.

## Agenda

Topics	Time
Refreshment (Titbit, Coffee & Tea)	8:30AM - 5:00PM
Welcome	9:00AM - 10:40AM
Overview of Electrical Standards	
Basics of Power distribution	
Basics of earthing systems	
Q&A	
Morning Tea Break	10:40AM - 11:00AM
Short circuit calculations	11:00AM - 12:20PM
Software tools for power distribution	
Sustainability at planning stage	
Q&A	
Lunch Break	12:20PM - 1:30PM
Design verification as per IEC 61439	1:30PM - 3:40PM
Safety	
Q&A	
Tea Break	3:40PM - 4:00PM
Digitalization in LV switchboards	4:00PM - 5:40PM
Cyber Security in LV power distribution	
Q&A	

## Other Information

### Parking rate

Normal Rate for level 6-10		Discounted Rate (after validate)
6:00AM - 6:00PM	RM2.00 nett per hour	RM1.00 nett per hour
6:00PM - 2:00AM	RM4.00 nett per entry	RM2.00 nett per entry
2:00AM - 6:00AM	RM16.00 nett per entry	RM8.00 nett per entry

Complimentary parking for In House Guest. PLEASE DO NOT USE TOUCH & GO. Validate parking ticket at Level 11 after meeting.

*\*\* Subject to changes*



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