

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

15th July 2025, Tuesday

9:00am until 5.30pm

Malakoff Auditorium, Ground Floor, Wisma IEM

RSVP by **8th July 2025**

*\*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
Welcome	9:00AM - 10:40AM
Topic Introduction	
Digitalization in Electrical engineering design (Single line diagram, switchboard general arrangement, BIM modeling)	
Q&A	
Morning Tea Break	10:40AM - 11:00AM
Protection system for power distribution (Selection of LV Protection & various protection schemes)	11:00AM - 12:25PM
Q&A	
Lunch Break	12:25PM - 1:30PM
Intelligent Power distribution (PCC, MCC, Final Distribution)	1:30PM - 3:40PM
Q&A	
Tea Break	3:40PM - 4:00PM
Communication system in power distribution (Basics, Communication Protocols, EMS)	4:00PM - 5:30PM
Sustainability	
Q&A	

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