



# IEM

The Institution of Engineers, Malaysia

# HALF DAY SEMINAR ON HVAC SYSTEM FUNDAMENTALS



35 pax only

Organised By :  
Mechanical Engineering Technical Division, IEM

**TARGET PARTICIPANT!**

**FRESH GRADUATES, JUNIOR ENGINEERS,  
TECHNICIANS SEEKING STRONG  
FUNDAMENTALS**

Registration Fees (to include 8% SST)	RM
IEM Member/Graduate	250
Non Member	500



*Speaker*

**Mr Wong Fook Kee**

## Seminar Details



**Date:**  
10th January 2026  
(Saturday)



**Time:**  
9.00am - 1.00pm



**Venue :**  
METD Room, 2<sup>nd</sup> Floor  
Wisma IEM

BEM Approved CPD Hours : 4  
Ref No. : IEM25/HQ/619/S



**REGISTER NOW**

Time	Programme
8.30am	Registration Start
9.00am	Opening Remark by METD Chairman Ir. Dr. Ricky Liew Chee Leong
9.05am	Introduction of Speaker : Mr Wong Fook Kee
9.10am	1st Session - Comfort parameters, heat sources, psychrometric principles
10.15am	Tea Break
10.30am	Cooling/heating load determination
12.45pm	Q & A Session
1.00pm	End of Seminar

### Speakers Biodata

*Mr Wong Fook Kee is a seasoned mechanical engineer with over 40 years of industry experience, specializing in HVAC systems, mechanical assemblies, and industrial maintenance. He has served as a technical trainer and consultant for various engineering firms and vocational institutions across Malaysia. Known for his practical teaching style and deep field knowledge, Mr. Wong has mentored hundreds of engineers and technicians in areas such as fluid handling, power transmission, and fault diagnosis. He is actively involved in professional development programs and is committed to elevating engineering standards through hands-on training and continuous learning.*

### Synopsis – Half-Day Seminar on HVAC System Fundamentals

*This seminar introduces participants to the essential principles of Heating, Ventilation, and Air Conditioning (HVAC) systems. Covering comfort parameters, heat sources, and psychrometric concepts, the session provides a clear understanding of how HVAC systems maintain indoor environmental quality. Participants will also learn the basics of cooling and heating load determination, equipping them with practical knowledge for system design and operation. Designed for fresh graduates, junior engineers, and technicians, the seminar emphasizes applied learning and professional development. By the end of the half-day program, attendees will gain a solid foundation in HVAC fundamentals, supporting their growth in mechanical and building services engineering.*

**CHECK FOR MORE UPCOMING  
SESSION BELOW!**

# **“SIGN UP FOR ALL 12 SESSIONS AND ENJOY 1 FREE SESSION!”**

- 1. 10th January 2026 – HVAC System Fundamentals**
- 2. 14th February 2026 – Refrigeration Principles & Refrigerants**
- 3. 14th March 2026 – Indoor Air Quality & Healthy Buildings**
- 4. 11th April 2026 – Light Commercial System Design**
- 5. 9th May 2026 – Large Commercial System Design**
- 6. 13th June 2026 – HVAC Controls & Automation**
- 7. 11th July 2026 – Sustainability & Energy Recovery**
- 8. 8th August 2026 – Testing, Commissioning & Project Management**
- 9. 12th September 2026 – Aftermarket Support & Maintenance**
- 10. 10th October 2026 – Advanced Applications in HVAC**
- 11. 14th November 2026 – Ecological & Net-Zero HVAC Solutions**
- 12. 12th December 2026 – Green Building & Emerging Trends**

## **Disclaimer:**

**Classes are scheduled on the 2nd Saturday of each month. In the event of a public holiday (PH) falling on that date, the session will be rescheduled to the following Saturday.**