



IEM

The Institution of Engineers, Malaysia



35 pax only

HALF DAY HVAC SYSTEM REFRIGERATION PRINCIPLES & REFRIGERANTS FY 2026

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:
7th February
(Saturday)

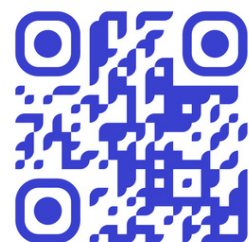


Time:
9.00am - 1.00pm



Venue :
METD Room, 2nd Floor
Wisma IEM

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



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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	Chiller Components, Compressor Operational Details
10.15am	Tea Break
10.30am	Refrigerant-Related Topics, Codes and Standards
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

This half-day program on HVAC System Refrigeration Principles & Refrigerants FY2026 introduces participants to the fundamentals of refrigeration cycles and the evolving role of refrigerants in modern HVAC systems. The session highlights efficiency, sustainability, and compliance with FY2026 standards, while examining the properties and applications of current and emerging refrigerants. Participants will gain practical insights into how refrigerants support system performance and environmental responsibility.

The program then explores chiller components and compressor operations in detail, focusing on evaporators, condensers, expansion devices, and auxiliary systems that ensure reliable cooling. Attention is given to compressor types, performance characteristics, and maintenance practices that optimize efficiency and extend equipment life. By combining theoretical principles with applied knowledge, the session equips engineers, technicians, and facility managers with the tools to enhance reliability, reduce energy consumption, and align operations with industry best practices.

CHECK FOR MORE UPCOMING SESSION BELOW!

UP COMING SESSIONS

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