



**ONE DAY COURSE
ON
“A QUICK GUIDE TO BEM PROFESSIONAL
COMPETENCY EXAMINATION FOR
AIR CONDITIONING AND MECHANICAL
VENTILATION SYSTEM”**

**SPEAKER ;
Ir. NG YONG KONG**

Date : 27TH OCTOBER 2022 (Thursday)
Venue : MALAKOFF AUDITORIUM
Ground Floor, Wisma IEM, P.Jaya, Selangor
Time : 9.00 a.m. – 6.00 p.m.

**BEM Approved CPD/PDP Hours: 8.0
(IEM22/HQ/349/C)**

Closing Date: 20TH OCTOBER 2022

NO online registration will be allowed after the Closing Date

**Jointly Organized & Hosted by:
Building Services Technical Division (BSTD), IEM and
ASHRAE Malaysia Chapter**

Cancellation Policy

No cancellation will be accepted prior to the date of the event. However, replacement or substitute may be made at any time with 7 days prior notification and substitute will be charged according to membership status.

Personal Data Protection Act

I have read and understood the IEM's Personal Data Protection Notice published on IEM's website at <http://www.myiem.org.my> and I agree to IEM's use and processing of my personal data as set out in the said notice.

**“IEM reserves the right to alter or cancel the programme due to unforeseen circumstances at its discretion”.
For intending participants who choose to ‘walk in without prior registration’,
IEM SHALL NOT be responsible for any direct or consequential losses”.**

SPEAKER



Ir. NG YONG KONG is a PEPC registered with the Board of Engineers, Malaysia (BEM) and was ASHRAE Director and Regional Chair (DRC) Region XIII. He was also the Council Member for the Institution of Engineers, Malaysia (IEM) 2019-2022 and was Treasurer for Malaysia Green Building Confederation (GBC) 2016-2018.

He obtained his B.Eng. (Hons in Mechanical Engineering) from University of Malaya, Kuala Lumpur in 1985 and an MBA (Hull, UK) and has more than 38 years experience in the HVAC industry having worked as a System and Application Engineer in two major chiller manufacturers, air diffusion and control companies.

He is also a member of the ASHRAE Indoor Air Quality Steering Committee 2010. Panel of ASHRAE Technology Award 2011-2013 and is currently the Malaysia Green Building Index (GBIF), trainer and examiner. He is also one of the working group members in various Standards like the MS1525, MS2578, MS2449 and MS2678.

Ir. Ng is the director of NYK Engineering Group S/B and was the Past President for Malaysia Air-Conditioning and Refrigeration Association (MACRA). He is also a qualified Trainer under the HRDF since 2014. He is currently a working member in IEM Professional Practice (PPC) and Examination Examinations and Qualifications (E&Q Committee).

SYNOPSIS

The Board of Engineers, Malaysia (BEM) does not endorse any courses conducted or provide material as study aids for the Professional Competency Examination. However, in view of the many request especially by Mechanical Engineers to IEM to conduct course in preparation for the PCE in Mechanical Engineering, the speaker attempts to give a quick and brief guide to BEM PCE on Air Conditioning and Mechanical Ventilation. This course will cover Air Conditioning and Mechanical Ventilation (ACM) portion and the participants are expected to know some basic knowledge on ACMV or HVAC. The topics to be covered include:

(i) Relevant Regulations

- (a) Uniform Building By-Laws, 1984.
- (b) Environmental Quality (Refrigerant Management) Regulations)

(ii) Applicable Standards

- (a) ASHRAE Standards
- (b) MS 1525 : 2019: Code of Practice on Energy Efficiency & Renewable Energy for Non Residential Buildings
- (c) MS 2449 : Performance rating of water-chilling packages using the vapour compression cycle
- (d) MS 2578-2 : Cooling tower

(iii) Type of Systems and Local Applications

- (a) Air-cooled Split Systems
- (b) VRF Systems
- (c) Package Units – Air-cooled & Water-cooled
- (d) Centralized Chilled Water Systems
- (e) District Cooling Systems

(iv) Design Considerations

- (a) Design Parameters – Temperatures, Air movement etc.
- (b) Energy Efficiency & Building Energy Intensity
- (c) Sustainability and Green Building Index
- (v) Others

PROGRAMME

TIME	PROGRAMME
08.30 am – 09.00 am	Registration and Welcome Coffee / Tea
09.00 am – 10.30 am	Guide to Air Conditioning and Mechanical Ventilation (ACMV)
10.30 am – 10.45 am	<i>Morning Tea Break</i>
10.45 am – 12.30 pm	Guide to ACMV
12.45 pm – 01.30 pm	<i>Lunch</i>
01.30 pm – 03.30 pm	Guide to ACMV
03.30 pm – 03.45 pm	<i>Afternoon Tea Break</i>
03.40 pm – 05.45 pm	Guide to ACMV
05.45 pm – 06.00 pm	Q & A Session and Discussion End of Course

FOR FURTHER DETAILS, PLEASE CONTACT:

Building Services Technical Division
c/o The Institution of Engineers, Malaysia
Bangunan Ingenieur, Lots 60/62, Jalan 52/4, P.O. Box 223 (Jalan Sultan)
46720 Petaling Jaya, Selangor Darul Ehsan
Tel: 603-7968 4001/2 Fax: 603-7957 7678 Website: www.myiem.org.my
E-mail: shahrul@iem.org.my, parimala@iem.org.my, suriani@iem.org.my

REGISTRATION FORM

ONE DAY COURSE ON
"A QUICK GUIDE TO BEM PROFESSIONAL COMPETENCY EXAMINATION FOR
AIR CONDITIONING AND MECHANICAL VENTILATION SYSTEM"

27TH OCTOBER 2022

Email: shahrul@iem.org.my, parimala@iem.org.my, suriani@iem.org.my

	Online Fee	Normal Fee
Graduate Member	RM 400.00	RM 450.00
Corporate Member	RM 550.00	RM 600.00
Non IEM Member	RM 650.00	RM 700.00

No	Name(s)	Membership No.	Grade	Fee (RM)*
SUB TOTAL				
+ 6% SST				
TOTAL PAYABLE				

PAYMENT DETAILS :

Cash RM _____

Cheque No. _____ for the amount of RM _____ (non refundable) and made payable to
"THE INSTITUTION OF ENGINEERS, MALAYSIA" (SHOULD PAYMENT IS MADE, KINDLY EMAIL THE 'BANK-IN-SLIP' TO IEM FOR VERIFICATION BEFORE THE EVENT FOR EASY REGISTRATION)

FULL PAYMENT must be settled before commencement of the seminar, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participant fails to attend the course, the fee is to be settled in full. If the participant failed to attend the course, the fee paid is non refundable. The Registration Fee includes lecture notes, refreshment and lunch.

For **ONLINE REGISTRATIONS**, please note that payment **MUST** be made **BEFORE the closing date**. If payment is not received within the stipulated time, the registration fee will be reverted to the normal registration fee.

Contact Person: _____ Designation: _____

Name of Organization : _____

Address : _____

Telephone No. : _____ (O) Fax No : _____ (O)

Handphone: _____ (HP) Email: _____

Signature & Stamp

Date

TERMS & CONDITIONS:

- For ONLINE REGISTRATIONS, only ONLINE PAYMENT is applicable [via RHB and Maybank2u – Personal Saving & Personal Current ; Credit Card - Visa/Master.
- Payment via CASH / CHEQUE / BANK-IN TRANSMISSION / BANK DRAFT / MONEY ORDER / POSTAL ORDER / LO / WALK -IN will be considered as NORMAL REGISTRATION
- The Organising Committee reserves the right to cancel, alter, or change the program due to unforeseen circumstances. Every effort will be made to inform the registered participants of any changes. In view of the limited places available, intending participants are advised to send their registrations as early as possible so as to avoid disappointment.

ADVERTISEMENT BOOKING FORM (EVENT BOOKLET)

**ONE DAY COURSE ON
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AIR CONDITIONING AND MECHANICAL VENTILATION SYSTEM”**

27TH OCTOBER 2022 (Thursday)

Organised by :

Building Services Technical Division (BSTD), The Institution of Engineers, Malaysia
No. 60/62, Jalan 52/4, P.O. Box 223 (Jalan Sultan), 46720 Petaling Jaya, Selangor
Tel No. 03-79684001/2 Fax No. 03-79577678 Email: shahrul@iem.org.my Website: www.iem.org.my

Chairman, Building Services Technical Division (BSTD),

We would like to place an advertisement in the EVENT BOOKLET of the ONE DAY COURSE (27th October 2022) as indicated below and attach herewith a cheque no. for the sum of RM made payable to “THE INSTITUTION OF ENGINEERS, MALAYSIA” being our booking fees:-

Tick (v)	Location	Advertisement Rates	Complimentary Participant Seat	Promotion Table @ Registration Foyer Only
	Outside Back Page (Colour)	RM 6,000.00	3 seats	1 Table with 2 chairs
	Inside Front Page (Colour)	RM 4,500.00	2 seats	1 Table with 2 chairs
	Inside Back Page (Colour)	RM 4,500.00	2 seats	1 Table with 2 chairs
	Inside Run of Page (Colour)	RM 2,500.00	1 seat	Nil

**Advertisement Artwork must be accompanied with payment before printing.*

PAYMENT INFORMATION:

✓ Account Name : THE INSTITUTION OF ENGINEERS, MALAYSIA
✓ Account Number : 232-303-911-0
✓ Bank Name : UNITED OVERSEAS BANK (UOB)
✓ Bank Address : NO 2-6, JALAN TENGAH, 46200 PETALING JAYA, SELANGOR
✓ Swift Code : UOVBMK1025
✓ Email Address for Receiving Remittance Advise : finance@iem.org.my / shahrul@iem.org.my

CONTACT INFORMATION:

Contact Name:			
Organisation:			
Position:			
Mailing Address:			
Contact Nos.:	Tel:		Fax:
Hand phone No.			
E-mail:			

Signature: _____

Date: _____

Company Stamp: