



FMM INSTITUTE

(C10626805080/ 199901000527/ 475427-W)

Centre for Professional Development



FACILITY MAINTENANCE & BASIC AIR CONDITIONING SYSTEM

Strengthening skills in preventive and corrective maintenance of air conditioning systems to ensure reliability, efficiency and informed decision-making. This training starts with a quick overview of system functions and components, and then progresses into detailed coverage of practical maintenance aspects supported with case studies.

TARGET GROUP

Engineers and technicians with some exposure to or experience in handling or managing air conditioning and mechanical ventilation systems.

PRE-REQUISITE

Basic knowledge of air conditioning systems or exposure to maintenance problems.

All cancellations must be made in writing. There will be no charge for cancellation received 7 or more working days before the start of the programme. Cancellation received 5 working days before the start of the programme is subjected to a cancellation fee of 50% of the course fees. Cancellation received 3 working days and below before the start of the programme is subjected to cancellation fee of 100% of the course fees. If the participant fails to attend the programme, the full course fees are payable. However, replacement can be accepted at no additional cost.

ADMINISTRATIVE DETAILS

Date : **August 17-18, 2026**
(Monday-Tuesday)

Time : **2 Days (9:00 am - 5:00 pm)**

Venue : **FMM Institute, Johor Branch**
No. 1 & 3, Jalan Kencana Mas 1/1,
Tebrau Business Park III,
81100 Johor Bahru, Johor

Fees : **RM 1,215.00 (FMM Member)**
RM 1,350.00 (Non member)
The fee inclusive Service Tax at 8%
(SST No: W10-1901-32000105)

Closing Date : **August 3, 2026 (Monday)**

Training Provider : **FMM Institute Johor**
MYCOID: 475427W_JOHOR



Centre for Professional Development



- Operating conditions
- Refrigeration cycle
- System service valves
- Service gauge manifold

- Pump-down and charging methods
- Vapor charging
- Liquid charging
- Symptoms of system faults

- Pressure drop and external equalizing
- Suction line frosting
- Replacing thermostatic expansion valves
- Replacing filter driers
- Moisture in the systems
- Controls : Operating principles and symptoms
- Mollier/Pressure-Enthalpy diagram interpretation

- Reading wiring diagrams
- Electrical protection systems

- Components and types
- Features of chiller installations
- Chiller servicing practices

- Key elements and controls of an AHU
- Cooling tower maintenance

- Practical air conditioning maintenance examples



Dr Aloysius DeCruz has been conducting training since 1997 in a variety of topics in HVAC. Prior to the training and academic career, he had five years of industrial experience. The hands-on approach he acquired during the industry jobs has proven to be an asset while delivering professional training. He has done numerous trainings for design professionals, maintenance technicians, and academic staff. The clients include manufacturing companies, government sector institutions, hospitals, supermarkets, etc. His trainings are well rated and has motivated a good number of personnel. He keeps his interest and actively update on the new developments in the field.

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FACILITY MAINTENANCE & BASIC AIR CONDITIONING SYSTEM

AUGUST 17 - 18 ,2026 | VENUE: FMM INSTITUTE, JOHOR BRANCH

FMM Institute (475427-W)

Puan Sabrina / Pn. Astri / Pn. Ain**Email : sabrina@fmm.org.my / astri@fmm.org.my****/ nur_ain@fmm.org.my****Tel: 07-357 7613 / 14 / 15 / 16 Fax: 07-357 7618****Please tick accordingly:**

Fees: ☐ **FMM Member: RM 1,215.00/pax**
(inclusive of 8% Service Tax (SST No: W10-1901-32000105))

☐ **Non Member: RM 1,350.00/pax**
(inclusive of 8% Service Tax (SST No: W10-1901-32000105))

Dear Sir/Madam,

Please register the following participant (s) for the above programme:

(To be completed in BLOCK LETTERS)

1.Name:	IC No:	Nationality:
.....		
Designation:	Email:	Mobile No.:
.....		
2.Name:	IC No:	Nationality:
.....		
Designation:	Email:	Mobile No.:
.....		

*(if space is insufficient, please attach a separate list)***Disclaimer**

Registration is on a first-come first-served basis. All cancellations must be made in writing. There will be no charge for cancellation received 7 or more working days before the start of the webinar. **Cancellation received 5 working days** before the start of the webinar is **subject to a cancellation fee of 50%** of the webinar fees. **Cancellation received 3 working days and below** before the start of the webinar is **subject to a cancellation fee of 100%** of the webinar fees. **If the participant fails to attend the programme, the full webinar fees are payable.** However, replacement can be accepted at no additional cost. The FMM Institute reserves the right to change the speaker, reschedule or cancel the webinar and all efforts will be taken to inform participants of the changes.

We hereby confirmed that (please tick accordingly):

☐ We will be claiming under **HRD CORP CLAIMABLE COURSES** and full payment would made to FMM Institute in the event that no disbursement from HRD Corp under any circumstances.

☐ I (self-sponsor) / We will **NOT BE CLAIMING** under **HRD CORP CLAIMABLE**. Payment will be made to the account payee **FMM Institute** by cheque or bank transfer to **Maybank Account No. 501280056601**.

Tin No. : C10626805080**BRO No. : 475427-W****SST No. : W10-1901-32000105****Submitted by:**

Name: **Email:**

Designation: **Tel No:** **Moblie No:**

Company: **Address:**

Tin No. : (Company Tax Number) **Business Registration No. (New/Old)** **SST No (If Applicable):**

Company Stamp & Signature: **Date:**