



# FMM INSTITUTE (Centre for Professional Development)

Wisma FMM, No. 3, Persiaran Dagang, PJU 9, Bandar Sri Damansara, 52200 Kuala Lumpur  
Tel: 03-62867200 Fax: 03-62776712 / 62761316 E-mail: hasnah@fmm.org.my / anitha@fmm.org.my

## FMM Certificate in Steam Engineer

### SBL SCHEME

Boilers have emerged as an important and useful device for producing steam. However, improper handling, human error and management flaws continue to cause near misses, accidents and losses of life and properties. Improving knowledge and skills through training in boiler management is perhaps the most tangible way to avoid such losses.

The 4-day programme on Boiler / Steam Plant Operations and Management focuses on establishing correct practices in Steam Plant Operations. This programme also provides guidance in boiler maintenance procedures. Overall the programme will escalate the knowledge base of participants to become better Operator and Technicians in their own plant. You will gain the practical KNOW-HOW you need and more importantly, confidence to operate steam plant successfully.



### COURSE OBJECTIVES

This programme will: -

- Provide in-depth professional knowledge and skills for sound and effective Boiler / Steam Plant Operations and Management practices and be acquainted with necessary know-how for operating steam plant successfully.
- Provide participants with the necessary tools needed to be a Certified Steam Engineer.
- Enhance the knowledge pertaining to boiler management, which is perhaps the best way to avoid losses.
- Equipped participants with the latest information on steam plant.
- Prepare participants for the Steam Engineers Examination conducted by JKPP.

### WHO SHOULD ATTEND

This programme is specially designed for: Practicing Boiler Operators, Technicians and Mill Engineers, Shift Charge Engineers, Junior Engineers Technicians and those who are interested to upgrade their career in Steam Plant Operations. This could range from small process plants to major utilities. Industry may include factories, hotels, hospitals, plantations and etc.

### ENTRY REQUIREMENTS

- Malaysian Citizen, no less than 21 years of age.
- At least 2 years of working experience as a Steam Engine or Steam Boiler Attendant (directly handling Boiler) or at least 3 years working experience as an Apprentice or Journeyman Fitter in a Steam Plant or Engineering Workshop (indirectly handling of a Boiler).

### COURSE STRUCTURE

Number of Contact Days : 4 days  
Lecture Days : Saturday & Sunday  
Contact Hours : 32 Hours

### ADMINISTRATIVE DETAILS

Date:  
Time: 9.00 a.m – 5.00 p.m  
Venue: **FMM Institute**  
2<sup>nd</sup> Floor, Wisma FMM  
No.3, Persiaran Dagang, PJU 9  
Bandar Seri Damansara,  
52200 Kuala Lumpur  
Fees: Member **RM 1,600.00** per pax  
Non-Member **RM 2,000.00** per pax  
(Fees do not include meals)

*Completed registration form, faxed, mailed or e-mailed to FMM Institute would be deemed as confirmed. There will be no refund or cancellation within 0-5 days prior to the programme, 50 % refund for cancellation between 6-9 days and full refund for cancellation 10 days prior to the programme. However, replacement can be accepted at no additional cost. The FMM Institute reserves the right to cancel or re-schedule the above programme and all efforts will be taken to inform participants of the changes.*



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## **FMM Certificate in Steam Engineer**

### **COURSE CONTENTS**

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- Safety Steam Plant Operation
- Factories and Machinery Act
- Boiler Construction
- Type of Steam
- Boiler Efficiency
- Boiler Operations
- Boilers Fittings
- Water Treatment
- Combustion System
- Boiler Damage and Repair
- Steam Traps Operations and Maintenance
- Steam Turbine
- Materials Used in Steam Plant
- Welding
- Material Treatment
- Chemical Cleaning
- Review of Past years' questions



**REGISTRATION FORM**

**FMM Certificate in Steam Engineer**

**Saturday & Sunday, Date: \_\_\_\_\_, Venue : FMM Institute, Kuala Lumpur**

(To be completed in BLOCK LETTERS)

**A. PERSONAL PARTICULARS**

Full Name (Mr/Ms) : \_\_\_\_\_ NRIC No. : \_\_\_\_\_

Designation : \_\_\_\_\_ Name of Company : \_\_\_\_\_

Permanent Address : \_\_\_\_\_

Correspondence Address : \_\_\_\_\_  
(if different from permanent address)

Tel No. (H) : \_\_\_\_\_ (O) : \_\_\_\_\_ Fax No. : \_\_\_\_\_

E-mail Address : \_\_\_\_\_ H/P No: \_\_\_\_\_

Date of Birth : \_\_\_\_\_ Sex : \_\_\_\_\_ Age : \_\_\_\_\_ Nationality : \_\_\_\_\_ Race : \_\_\_\_\_

**B. EDUCATIONAL BACKGROUND**

Name of School / Institution	Years Attended		Highest Qualification Obtained
	From	To	
Secondary : _____	_____	_____	_____
College / University : _____	_____	_____	_____
Any Special Professional Course : _____	_____	_____	_____

**C. SPONSORSHIP**

Company Sponsored       Self Sponsored      Please Tick (√)

**D. SUBMITTED BY** (To be filled if sponsored by company)

SBL      Please Tick (√)

Name : \_\_\_\_\_ Designation : \_\_\_\_\_

Company Name: \_\_\_\_\_

Company Address : \_\_\_\_\_

Tel No. : \_\_\_\_\_ Fax No. : \_\_\_\_\_ E-mail Address : \_\_\_\_\_

FMM Membership No: \_\_\_\_\_ PSMB Code No : \_\_\_\_\_

**E. DECLARATION**

**I hereby declare that the information provided is correct and complete.**

Signature of Participant: \_\_\_\_\_ Date: \_\_\_\_\_

**Payment Advice:**  
Enclosed cheque/bank draft No. \_\_\_\_\_ for RM \_\_\_\_\_ being payment for \_\_\_\_\_ participant(s) made in favour of "FMM Institute".

**Please fax or mail the registration form to :**

Hasnah / Anitha      Tel : 03-62867200      Fax : 03-62776712 / 62761316  
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E-mail : [hasnah@fmm.org.my](mailto:hasnah@fmm.org.my) or [anitha@fmm.org.my](mailto:anitha@fmm.org.my) Website : [www.fmm.edu.my](http://www.fmm.edu.my)