

SUPPORTED BY:

BEM CPD Ref No. & Hours : IEM23/HQ/113/C (w), CPD=33



Training Provider: 127273-K,  
IEM TRAINING ACADEMY SDN BHD


HRD Corp Claimable:  
Approved Duration: 08/07/2022 – 15/07/2023  
HRD Corp Serial No: 10001210393

# 5-DAY IEM ENERGY MANAGER TRAINING COURSE (EMTC)

A Preparation Course for Registration as a Registered Electrical Energy Manager (REEM) with Suruhanjaya Tenaga



REGISTRATION LINK:



Google form link for registration:

[https://docs.google.com/forms/d/1xHSnMTIzQpDr6NcCrjOcNenPA6bHz0YbOYf\\_q3-sc18/edit?ts=63a557af](https://docs.google.com/forms/d/1xHSnMTIzQpDr6NcCrjOcNenPA6bHz0YbOYf_q3-sc18/edit?ts=63a557af)

Jointly Organised by:  
IEM Training Academy Sdn Bhd  
and  
IEM Electrical Engineering Technical Division (EETD)

Please register at [iemta@iem.org.my](mailto:iemta@iem.org.my) Website: <http://iemtasb.weebly.com>

## Registration Fees:

	Registration Fees
IEM Members	RM4,240.00
Non-IEM Members	RM4,770.00

Training Methods	:	WISMA IEM, PETALING JAYA
Date	:	12 - 16 June 2023
Time	:	8:30am - 5:30pm

\*Rate stated include **6% SST**

**Requirements by Candidate with working experience in the efficient management of electrical energy at an installation :**

1. Malaysian citizen

2. Above 23 years old with academic / professional qualification of the followings:  
(a) possess at least 6 months (or)  
(b) holds a degrees in Science, Engineering, Architecture (or)  
(c) 1 year working experience (or)  
(d) any other qualification recognised by EC (or)  
(e) holds a Certificate of Competency issued by EC as Electrical Services Engineer with 9 months working experience.

Requirements to sit for Examination:  
1. PASS the written exam and oral presentation by IEMTA  
2. Submission of 1 written report on energy saving / efficiency projects



IEM Training Academy Sdn Bhd



The Institution of Engineers, Malaysia

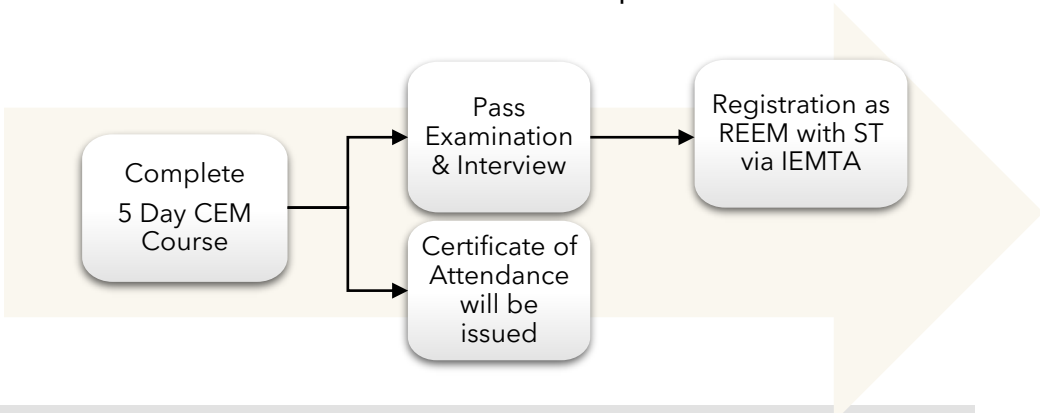


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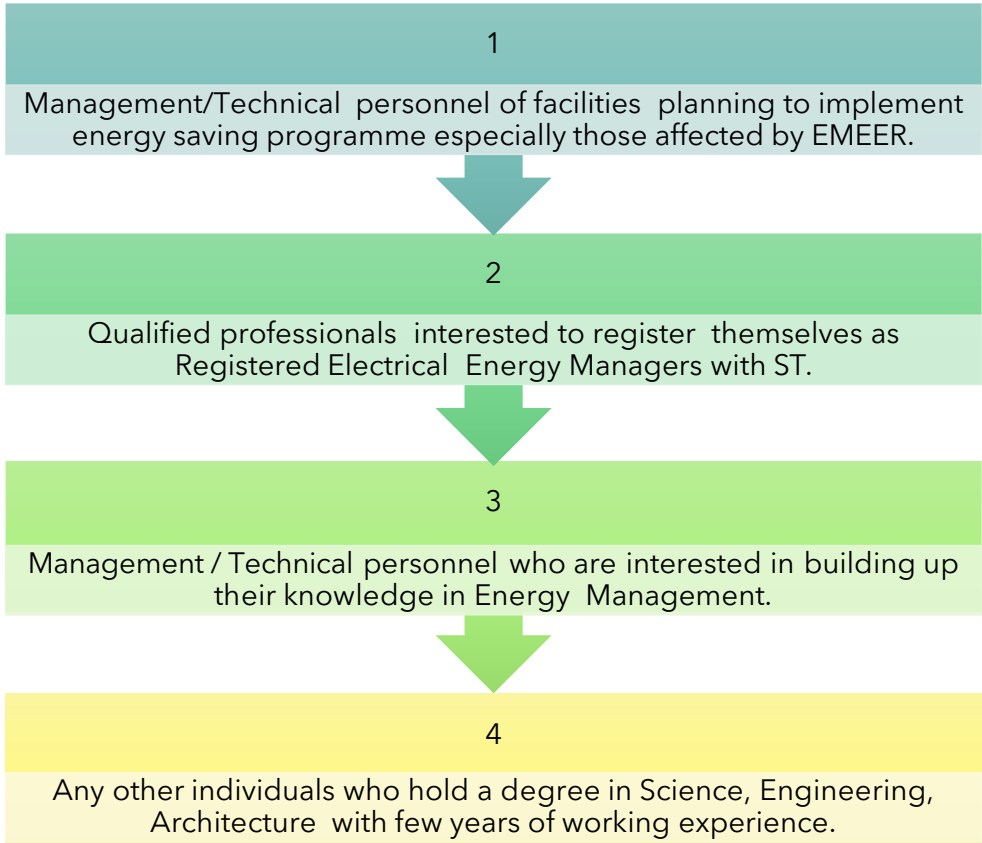
A Preparation Course for Registration as a  
Registered Electrical Energy Manager  
(REEM) with Suruhanjaya Tenaga

## OVERVIEW

- IEM Training Academy Sdn Bhd (IEMTA), with the approval of Suruhanjaya Tenaga, Malaysia (ST) is conducting an Energy Manager Training Course (EMTC) as part of the initiative to produce more Registered Electrical Energy Managers (REEMs) and support the implementation of the Efficient Management of Electrical Energy Regulations (EMEER 2008).
- Participants will be trained on matters such as regulatory requirements, energy management tools, and skills to implement and optimize energy management plans and projects in their facilities.
- Eligible participants can register via IEMTA as REEM with ST upon passing the EMTC examination and oral interview / presentation.



## TARGET PARTICIPANTS



## GUIDELINE FOR REGISTRATION AS ELECTRICAL ENERGY MANAGER (REEM) THROUGH IEMTA ON EMTC SCHEME

Mandatory qualification requirements for participants / attendees by Energy Commission Attendees who are eligible to register as REEMs with ST shall comply with the following conditions:

1. Malaysian citizen aged 23 years and above; **AND**
2. At least one or more of the following academic and/or professional qualification:
  - a. Holds a certificate of registration as a Professional Engineer under the Registration of Engineers Act 1967 [Act 138] and possess at least six months working experience in the efficient management of electrical energy at an installation; **OR**
  - b. Holds a degree in Science, Engineering, Architecture or its equivalent and possess at least one year working experience in the efficient management of electrical energy at an installation; **OR**
  - c. Any other qualification recognised by Suruhanjaya Tenaga (ST); **OR**
  - d. Holds a Certificate of Competency issued by the Commission as an Electrical Services Engineer or a competent Electrical Engineer and possess at least nine months working experience in the efficient management of electrical energy in installation; **AND**
  - e. Pass presentation/interview session with IEMTA and Suruhanjaya Tenaga (ST) representative.

*(Participants are required to present a project paper outlining involvement in implementing energy management in their facility as per guidelines provided.)*

3. Attended the full EMTC course, pass the examination and oral presentation and interview.

For Registration email to [iemta@iem.org.my](mailto:iemta@iem.org.my)

REVISION NO.: 03, IMPLEMENTATION DATE: 15-03-2023





## 5-DAY IEM ENERGY MANAGER TRAINING COURSE (EMTC) A Preparation Course for Registration as a Registered Electrical Energy Manager (REEM) with Suruhanjaya Tenaga

### COURSE OUTLINE

#### DAY 1

- Functions, duties and responsibilities of an Electrical Energy Manager
- Electricity Supply Acts/Regulations
- Efficient Management of Electrical Energy Regulations
- Energy Efficient Standards
- Energy Efficiency and Safety
- Energy Policies and Roadmaps
- Scenarios and Strategies Towards Energy Efficiency in Malaysia



#### DAY 2

- Energy Efficiency - Electrical Systems, Energy Management Systems & Renewable Energy
- Energy Storage Systems



#### DAY 3

- Energy Efficiency - Mechanical Systems, Energy Monitoring and Management Systems, Data Logging Tools and Online Aids, Management Review



#### DAY 4

- Energy Management Standard Compliance
- Technical Energy Audit
- Energy Investment Strategy
- Energy Financial and Economic Analysis



#### DAY 5

- Online Written Exam
- Project Presentation & Interview
- Summarisation and Feedback



**ENERGY MANAGER TRAINING COURSE (EMTC) IN 2023**

- #5 Series: 13-17 March 2023
- #6 Series: 12-16 June 2023
- #7 Series: 11-15 September 2023
- #8 Series: 06-10 November 2023

(Note: Online / Physical)

Please register at [iemta@iem.org.my](mailto:iemta@iem.org.my)  
Website: <http://iemtasb.weebly.com>





## 5-DAY IEM ENERGY MANAGER TRAINING COURSE (EMTC)

**A Preparation Course for Registration as  
a Registered Electrical Energy Manager  
(REEM) with Suruhanjaya Tenaga**

### TTT LECTURERS

**Ir. Francis Xavier Jacob** was the Advisor of Energy Commission (ST).

He graduated in 1977 with a B.Eng.(Hons) degree in electrical engineering from Universiti Malaya and holds a degree in Environment (2007).

He is a Professional Engineer registered with the Board of Engineers Malaysia (BEM). He has been with the Commission and the Department of Electricity and Gas Supply since 1991. He chairs the Technical Committee on the Standards for Energy Management and also sits in various Standards working Committees.

**Ir. Francis Xavier Jacob**



**Ir. Assoc. Prof. Dr. Gobbi Ramasamy** is an Associate Professor at the Faculty of Engineering, Multimedia University (MMU), Selangor.

He graduated in 1988 with a B.Eng.(Hons) degree in electrical engineering from Universiti Technology Malaysia and holds a in Science in Industrial and Tech. Management. He also holds a Ph.D in Electrical Engineering (2008) from Multimedia University, Malaysia

He is a Professional Engineer registered with the Board of Engineers Malaysia (BEM). A Registered Electrical Energy Manager with the Energy Commission and specializes in Power Electronics and Motor Dives.

**Ir. Assoc. Prof. Dr  
Gobbi Ramasamy**



**Ir. Luk Chau Beng** has a Masters in Engineering Management with specialization in Energy Management, Joint University Tenaga Nasional, Malaysia and HEC, Montreal.

He is a registered professional engineer with practicing certificate with the Board of Engineers Malaysia (BEM) and a Fellow member of The Institution of Engineers, Malaysia. He is also a registered electrical energy manager.

He is an active member of the engineering community having served in various capacities in IEM and other organisations.

**Ir. Luk Chau Beng**



## LECTURERS

**Ir. Gopal Narian Kutty** is a Registered Electric Energy Manager with the Energy Commission. He graduated in 1984 with B.Sc. (Hons) degree in mechanical engineering from University of Strathclyde, Scotland, UK and holds a M.Sc degree in Construction Project Management (1997) from UMIST, England.

He is a registered professional engineer with practicing certificate with the Board of Engineers Malaysia (BEM) and a Fellow member of The Institution of Engineers, Malaysia, ASEAN Chartered Professional Engineer (ACPE).

His expertise are in project management, design of mechanical services (building), workshop and asset management, energy auditing, subject matter expert- building services (mechanical), energy conservation, energy efficiency and sustainable construction.

**Ir. Gopal Narian Kutty**



**Ir. KT Lim** graduated in 1979 with a B.Eng.(Hons) degree in electrical engineering from Universiti Malaya and holds a Master's in Science in Electrical (1990) from the National University of Singapore.

He graduated in 1979 with a B.Eng.(Hons) degree in electrical engineering from Universiti Malaya and holds a Master's in Science in Electrical (1990) from the National University of Singapore.

He is a registered professional engineer with practicing certificate with the Board of Engineers Malaysia (BEM). An active member of the engineering community having served in various capacities in IEM and other organisations. He specialises in Standards and Guidelines and also an Industrial Advisory Member /Examination Panel for various Universities.

**Ir. KT Lim**



**Ir. Chong Chew Fan** is a Registered Electric Energy Manager with the Energy Commission. He graduated in 2002 with B.Eng. (Hons) degree in electrical, electronics and system engineering from Universiti Kebangsaan Malaysia.

He is a registered professional engineer with practicing certificate with the Board of Engineers Malaysia (BEM).

Specialises in Engineering proposal, planning, design, tender evaluation, contract documentation and administration, project management and Green Building sustainable design and development.

**Ir. Chong Chew Fan**



**Ir. Al-Khairi Mohd. Daud** graduated in 1992 with B. Eng (Hons) degree in Mechanical Engineering in 1992 from University of Leeds UK and holds a MBA from UNITAR.

He is a registered professional engineer with practicing certificate with the Board of Engineers Malaysia (BEM) and a registered Electrical Energy Manager with Energy Commission (EC). He has 25 years of experience in project and maintenance of various plants and facilities, energy management consultancy, audit, facilities management advisory, at both government and private sector. A leading energy management expert in various organisations. Currently he is a Managing Director and is a lecture/instructor for the Ministry of Health and Suruhanjaya Tenaga.

**Ir. Al-Khairi Mohd Daud**



**Ir. Tan Jin Kiong** is a Registered Electric Energy Manager with the Energy Commission. He graduated in 1996 with B. Eng. degree in Mechanical from University of Auckland, New Zealand. He obtained his MBA in 2006 from the University of Wales, UK.

He is a registered professional engineer with practicing certificate with the Board of Engineers Malaysia (BEM). He has 19 years of experience in facilities operation and administration, construction project, property, township and auxiliary services management at both government and private sector. Involved in Senior management and also a quality accreditation surveyor for healthcare industries.

**Ir. Tan Jin Kiong**





REGISTERED WITH:



JOINTLY ORGANISED BY:



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REGISTRATION LINK:



REGISTRATION FORM

Name(s)	M'ship No. & Grade	Discipline (Civil / Mech / etc.)	Email Address	Mobile Number	Fee (RM)*
Total:					

Education Background:

Graduation Year	Institution of Higher Learning	Degree Awarded	Years of Employment

Registration Fees:

Tick (✓)	Type of Registration	Online Fees <small>*Rate stated include 6% SST</small>
	IEM Member	RM 4,240.00
	Non-IEM Member	RM 4,770.00
	Group of 3-5 persons (price for 1 person)	RM 3,975.00

Event Dates:

Tick (✓)	Series	Event Dates
	#6	12-16 June 2023 at Wisma IEM, PJ
	#7	11-15 September 2023
	#8	06-10 November 2023

You may make payment via **ONLINE TRANSFER** (Please forward soft copy of payment advice):-

Account Name: **IEM TRAINING ACADEMY SDN BHD**  
Account Number: 514169143176  
Bank Name: Malayan Banking Berhad  
Bank Address: Jalan Sultan, 46200 Petaling Jaya, Selangor Darul Ehsan, Malaysia  
Swift Code: MBBEMYKL

For Billing Purposes:

Contact Person:	
Designation:	
Name of Organisation:	
Address:	
Office:	
H/Phone:	
Email:	