

Chairman  
 Special Committee on IEM Structured Training  
 c/o The Institution of Engineers, Malaysia  
 P O Box 223 (Jalan Sultan), 46720 Petaling Jaya, Selangor.



# STRUCTURED TRAINING PROGRAMME

## • REGISTRATION FORM

No	Name (s)	M'ship No	Grade	Fees (RM)
1.				
2.				
			Total payable	

Enclosed herewith a cheque No. : \_\_\_\_\_ for the sum of RM \_\_\_\_\_ issued in favour of "The Institution of Engineers, Malaysia" and crossed 'A/C Payee Only'. I/We understand that the fee is not refundable if I/we withdraw after my/our registration is accepted by the Committee.

Contact Person:.....  
 Designation:.....  
 Name of Organisation : .....  
 Address .....  
 Tel (O) : ..... Tel (R) : .....  
 Fax No.: ..... E-mail : .....

.....  
 Signature Date

### 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.

## 7- Saturday Course on GEOTECHNICAL ENGINEERING DESIGN

Organised by:  
 Special Committee on IEM Structured Training  
 The Institution of Engineers, Malaysia

**Commencement date :**

**25 November 2023 until 27 January 2024**

**I WISMA IEM I**

**I 9.00AM – 5.00PM I**

**\* Limited to 10 Participants only**

Fees	Normal rate (RM)	Online rate (RM)
<b>Corporate Member</b>	<b>2800.00</b>	<b>2520.00</b>
<b>Graduate Member</b>	<b>2800.00</b>	<b>2380.00</b>
<b>Non-Member</b>	<b>3220.00</b>	<b>3080.00</b>

**\* Closing date for Registration: 20 November 2023**

## Abstract

Over the years, it has been observed that many graduate engineers are unable to present themselves for the Professional Interview (PI) conducted by the IEM because they possess insufficient design experience, which is a prerequisite. This intensive design course will therefore prepare potential candidates for the said PI.

## Course Overview

This course is to provide the candidate the knowledge to understand areas on the following:

- Understand soil mechanics (effective stress, shear strength, consolidation, earth pressure etc.)
- Plan and supervision of subsurface investigation (field and laboratory tests) and interpretation of test results.
- Carry out slope stability analysis and design.
- Carry out foundation design (pile capacity design and shallow foundation)
- Carry out settlement analysis
- Carry out soil structure interaction
- Carry out retaining wall design (earth pressure calculation)
- Ground treatment selection

## Course Format

The course consists of formal content presentation. The facilitators' style involves intensive participant participation.

## Information on Registration

Registration fees cover course notes. If a place is reserved and the intended participants failed to attend the course on the date of the event the fee is to be settled in full.

The fee paid is non-refundable. However, substitution of participants(s) will be permitted with approval by IEM. In view of the limited places available, intending participants are advised to send their registration as early as possible so as to avoid disappointment.

The Special Committee reserves the right to alter or change the programme due to unforeseen circumstances. Every effort will be made to inform the registered participants of any changes.

If you require further details or clarifications kindly contract the IEM Secretariat at:

## The Institution of Engineers, Malaysia

**Lot 60/62, Jalan 52/4**

**46720 Petaling Jaya**

**Selangor Darul Ehsan**

▶ **Tel: 03-7968 4001/4007**

▶ **Email: [sec@iem.org.my](mailto:sec@iem.org.my)**

# FACILITATORS/TRAINERS



**Ir. Raftah bt Mahfar**  
**MIEM, PEng**

Ir. Raftah Mahfar is currently a Director of SCG Consultants Sdn. Bhd., a Structural, Civil, Infrastructure, Geotechnical and Railway engineering Consultants. She holds a Degree in Civil Engineering from Universiti Teknologi Malaysia (1985) and Master of Science in Civil & Structural Engineering from Universiti Kebangsaan Malaysia (1990).

She has more than 30 years of technical experience in Geotechnical Engineering design and construction. Her projects include Upgrading of Jalan Segamat-Tangkak, Pembinaan Kompleks Istana Baru Terengganu, Slope Repair Works at Jalan Baru Naik Ke Bukit Fraser, Electrified Double Track Project Ipoh to Padang Besar and etc.

Ir. Raftah is a Professional Engineer with Practicing Certificate with the Board of Engineers, Malaysia (BEM). She is also an Interviewer and Reviewer for IEM's Professional Interview.

Ir. Raftah is active as Corporate Member of Institution of Engineers, Malaysia (IEM). She has been a Committee member of IEM Women Engineers from year 2008, Committee member of IEM Standing Committee on Activities, Committee member of IEM Standing Committee On Professional Practice and past Committee member of IEM Standing Committee of Welfare (2012/13). She is the Chairperson of IEM Women Engineers Sub-Committee for session 2012/2013, the Chairman of IEM Women Engineers Section for Session 2013/2014 and Section 2014/2015. She also the Chairman for WiSET 2018 conference, committee on Disaster Risk Reduction Advisory Board and Committee member for Special Committee on Structured Training.



# FACILITATORS/TRAINERS



Ir. Dr Nik Afifah bt Nik Mohd Adeb  
MIEM, PEng

Ir. Dr Nik Afifah bt Nik Mohd Adeb obtained 34 years' experience in road design, bridge design, geotechnical design, C&S building design, project management, construction management, construction supervision & technical design audit.

Some projects implemented are:

- a) Design (C&S, Geotechnical, Hydrology, Bridges & Roads)
  - Pre-fabricated "Multi-Purpose Building, Raub, Pahang"
  - "Control Tower Complex, KLIA Sepang"
  - "Bridge over Sg. Jengka, Pahang", "Bridge over Sg. Luit" etc.
  - "Upgrading JB – Mersing Road, M.S 13 – M.S 38"
  - "Upgrading Junction Bahau – Keratong Highway, Jempol"
  
- b) Project Management, Design Review & Audit
  - "Pagoh Education Hub (RM992,623,000.00), Johor"
  - "Seremban – Gemas Electrified Double Track Project (RM3.5 Billion)"
  - Technical Audit for Jab. Audit Negara (2007).
  - "KLIA Project, Sepang (RM 10 Billion)"
  
- c) Construction Management
  - "PJC Headquarters, Putrajaya"
  - "Ampang Hospital, KL"
  
- d) Construction Supervision
  - "Duty Free Complex, Subang Airport"
  - "Extension of Runway & additional taxiways, Subang Airport"

# FACILITATORS/TRAINERS



**Ir. Lim Ek Peng**  
**MIEM, PEng**

Ir EP. Lim is a practising Professional Civil & Structural Engineer with Perunding Hashim & NEH Sdn Bhd. He obtained his Bachelor of Civil Engineering from UTM in 1985 and Master of Engineering from University of Malaya in 1989.

He has over 32 years of experience in civil & structural engineering design and construction. He was a member of technical committees of (IEM-SWO) for standards in Design of Concrete Structures for MS EN 1990, 1991, 1992 & was a member of IEM C&S WG1 for drafting of Malaysia National Annex of EC8.