

7-SATURDAY COURSE ON GEOTECHNICAL ENGINEERING DESIGN

TRAINING DATES (2025)

JAN: 11, 18 & 25 FEB: 8, 15, 22 MAR: 1



**HYBRID COURSE
(ONLINE & PHYSICAL)
ZOOM & WISMA IEM**



**LIMITED TO
20 PARTICIPANTS**



**7 SATURDAYS
9 AM - 5 PM
11 JAN 2025 - 1 MAR 2025**



**ONE OF FIVE STRUCTURED
TRAINING MODULES IN
CIVIL ENGINEERING**

Course overview

Learn all courses from your
home or IEM classroom

This course will improve understanding in the following areas:

- Understand soil mechanics (effective stress, shear strength, consolidation, earth pressure etc.)
- Plan and supervision of subsurface investigation (field and laboratory tests) & 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

Who should attend?

**Professional Engineer
Engineer**



03-7890 0131 (Structured Training)



iemst@iem.org.my

FEES	PHYSICAL CLASS (RM)	ONLINE CLASS (RM)
Corporate Member	2800	2660
Graduate Member / Senior Graduate	2800	2660
Non-Member	3500	3360

COURSE FORMAT

The course consists of classroom presentations. Participants are encouraged to actively engage in discussions.

For online class, the participants are required to switch on their camera for verification purposes any time requested.

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. Booking fee paid is non-refundable. However, substitution of participants 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. However, every effort will be made to inform registered participants of any changes.

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

The Institution of Engineers, Malaysia
Lot 60/62, Jalan 52/4
46720 Petaling Jaya
Selangor Darul Ehsan

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 **iemst@iem.org.my**

THE FACILITATORS

Ir. Raftah 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.

THE FACILITATORS

Ir. Dr Nik Afifah Nik Mohd Adeeb MIEM, PENG



Ir. Dr Nik Afifah bt Nik Mohd Adeeb 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"

THE FACILITATORS

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



Ir. EP. Lim was 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 38 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.