The Institution of Engineers, Malaysia

Civil Engineering Design Course Series

The Special Committee on IEM Structured Training,
Standing Committee on Admissions & Practical Training (APT)

7-SATURDAY COURSE ON STRUCTURAL ENGINEERING DESIGN

TRAINING DATES

JUNE 2026 : 20, 27
JULY 2026 : 4, 11, 18 & 25
AUG 2026 : 1

HYBRID COURSE
(ONLINE & PHYSICAL)
ZOOM & WISMA IEM

LIMITED TO
20 PARTICIPANTS

7 SATURDAYS
9 AM - 5 PM
20 JUNE - 1 AUG 2026

ONE OF FIVE STRUCTURED TRAINING MODULES IN CIVIL ENGINEERING DESIGN SERIES

BEM Pre-Approved CPD Hour: 42
Ref No.: IEM26/HQ/206/C (h)

Course overview

This course is designed to strengthen your understanding of the following areas:

- Understand the behaviour of the structure in general
- Understand the behaviour of construction material
- Understand difference between idealisation and actual construction
- Prepare general layout
- Building loading to UBBL/BS6399
- Structural analysis including wind loading to MS 1553 /BS 6399
- Reinforce concrete design - BS 8110 and BS 8007/Eurocode
- Prestressed concrete design to BS 8110
- Structural and Composite steel design to BS 5950

Learn all courses from your home or IEM classroom

03-7890 0137 (Structured Training)
iemst@iem.org.my / farezah@iem.org.my

JOIN NOW - PHYSICAL CLASS

JOIN NOW - ONLINE CLASS

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7-SATURDAY COURSE ON STRUCTURAL ENGINEERING DESIGN

FEES	PHYSICAL CLASS (RM) *register via IEM portal (online rate/early bird)	ONLINE CLASS (RM) *register via IEM portal (online rate/early bird)
Corporate Member	2800	2600
Graduate Member / Senior Graduate	2800	2600
Non-Member	3200	3000

*Register via IEM portal. All Fees are subject to 8% SST.
Different charges may apply for the normal rate. Please contact Secretariat for details.

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 contract the IEM Secretariat at:

The Institution of Engineers, Malaysia
Lot 60/62, Jalan 52/4
46720 Petaling Jaya
Selangor Darul Ehsan
03-7890 0137 (Structured Training)
iemst@iem.org.my / farezah@iem.org.my

THE FACILITATORS

Ir. Dr Nik Afifah bt Nik Mohd Adeeb
MIEM, PEPC

Ir. Dr Nik Afifah bt Nik Mohd Adeeb obtained over 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, PEPC

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.

Ir. Dr Salimi bin Md Salleh
MIEM, PEPC

Ir. Salimi bin Md Saleh graduated from University Teknologi Malaysia, KL in 1985. A Civil and Structural Engineer, he worked with the government department for 5 years before starting his own practice.

Due to this nature, he is involved with many projects of different fields such as highway and bridges, flood mitigation, telecommunication towers and steel & concrete Structures. Currently, he is a part time lecturer in University Malaysia Pahang and his business involving tower structures covers Asia and Africa.

THE FACILITATORS

Ir. Cheong Chee Kwong
MIEM, PEPC

Ir. Cheong graduated in B.Eng (Hons) Building Engineering, University of Liverpool, England in 1979. He is a registered Professional Engineer in Malaysia, a Member of the Institution of Engineer Malaysia, Honorary Fellow of The ASEAN Federation of Engineer Organisation, APEC / EMF International Professional Engineer and Associate Member of Malaysian Institute of Management .

He has 42 years of Engineering Consultancy experience to date and have faithfully served numerous clients both locally and overseas. These clients include institutions, multi-national corporations, real estate developers, oil and gas contractors, building contractors and large EPCC. His main area of expertise is in Structural Engineering / Value Engineering and Industrial Building Systems.

In connection with the above, he have received 4 patents from the Intellectual Property Corporation Of Malaysia (MyIPO) to date. All are suited to Industrial Building Systems (IBS).

Over the years of involvement in hands-on design in particular competitive Value Engineering, he has developed small soft wares to facilitate in achieving optimum design for the client in this cutting edge environment apart from built ability and cost efficiency need. Such software is a necessity to tailor-made for specific situations in our engineering works.