

# 4-SATURDAY COURSE ON HIGHWAY ENGINEERING DESIGN



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



**LIMITED TO 20  
PARTICIPANTS**



**4 SATURDAYS  
9 AM - 5 PM  
16 AUG - 20 SEPT 2025**



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

## TRAINING DATES

- PART I: 16 & 23 AUG
- PART II: 13 & 20 SEPT

## CPD HOUR

**BEM APPROVED CPD HOUR: 24  
Ref No.: IEM25/HQ/367/C (h)**

## COURSE OVERVIEW

This highway engineering design course will focus in enhancing understanding needed in the following areas:

- ✓ **PART I:**  
Road & Highway Designs to JKR *Arahan Teknik*,  
Surveying, Geometric Design
- ✓ **PART II:**  
Traffic Analysis & Pavement Design  
Road Safety Audit

**REGISTER NOW**



**PHYSICAL  
CLASS**



**REGISTER NOW**



**ONLINE  
CLASS**



**Register online at IEM WEBSITE - PHYSICAL CLASS or ONLINE CLASS.**

FEES	PHYSICAL CLASS (RM)	ONLINE CLASS (RM)
<b>Corporate Member</b>	1600	1400
<b>Graduate Member / Senior Graduate</b>	1600	1400
<b>Non-Member</b>	2000	1800

**Rate stated subject to 8% SST**

**Register online at IEM WEBSITE - PHYSICAL CLASS or ONLINE CLASS.**

### COURSE FORMAT

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

### 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

Tel: 03-7890 0131

Email: [iemst@iem.org.my](mailto:iemst@iem.org.my) / [farezah@iem.org.my](mailto:farezah@iem.org.my)

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



## REGISTRATION FORM

NO	NAMES (S)	M'SHIP NO	GRADE	FEES (RM)
1				
2				
			<b>TOTAL PAYABLE</b>	

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.

## THE FACILITATOR-PART 1



**Dato' Ir. Samsuddin Ismail** is the Principal and Managing Director of SSI Consulting Engineers Sdn. Bhd. He graduated from the University of Malaya in 1976 with a B. Eng (Civil) and an MSc (Highway and Traffic) from the University of Strathclyde, United Kingdom in 1981.

He is a Fellow member of The Institution of Engineers Malaysia (FIEM), a Member of the Institution of Highways and Transportation (MIHT), United Kingdom, a PEng with the Board of Engineers, Malaysia and Asian Chartered Professional Engineer (ACPE). He was a Council Member of IEM and still serves in the Standing Committee on Technology and Road Management for the Road Engineering Association of Malaysia (REAM).

He has been actively giving lectures to International courses on road construction and maintenance, organized by Malaysian Technical Cooperation programme for third world countries. He was previously served in the Public Works Department Malaysia from March 1976 to March 1992 in several capacities from building engineer to road and bridge on planning, design constructions and maintenance all over Peninsular Malaysia. From April 1992 to Nov. 1993, he was a Technical Director of Malaysia Airports Berhad involved in Planning of KLIA and Airport Design and Maintenance for Runway and Taxiways. From December 1993 he established a Consulting Engineers - SSI Consulting Engineers Sdn Bhd involved in Project Design and Constructions for Highways and Airport Runway, Taxiways and buildings.

*Coming Soon*

**Structural  
Engineering  
Design**

**General  
Infrastructure  
Works  
Engineering  
Design**

**Geotechnical  
Engineering  
Design**

**Construction  
Practice  
Engineering  
Design**



## THE FACILITATORS- PART II



**Ir. Adnan Zulkepli** obtained a B.Sc in Civil Engineering (1985) from Memphis State University, USA and an M.Sc in Construction Engineering (1990) from University of Gifu, Japan. He is a registered PEPC with expertise in Traffic and Transportation, Civil and Construction engineering. He has also been involved in the following consultancy projects since 1986:

1. Infrastructure design of low cost housing schemes in Bahau, Port Dickson and Seremban (1986)
2. Road and bridge design of 10 bridges crossing Kanda River, Tokyo for Pacific Consultant Company Limited (1990 – 1991)

3. Road Inventory for JICA Highway Development Plan Study (1990 – 2010) for Malaysia, Highway Planning Unit, Ministry of Works Malaysia (1992 – 1993)
4. Masterplan Study for Malaysia Urban Transportation Planning Project, Highway Planning Unit, Ministry of Works Malaysia (1993 -1994)
5. Alignment planning and design for LRT Kelana Jaya Line, Pengurusan Lebuhraya Berhad (1994 –1995)
6. Feasibility Study of Proposed Ipoh – Lumut Expressway, MRCB Engineering Sdn Bhd (1996 – 1997)
7. Traffic Impact Assessment Study of more than 20 projects per year (1997 – 2002)
8. Putrajaya Transportation Action Plan Study for Putrajaya Corporation (2002 – 2003)
9. Feasibility Study of Proposed Jerantut – Sungai Lembing Highway for Highway Planning Unit, Ministry of Works Malaysia (2003 – 2005)
10. Traffic Impact Assessment Study of more than 10 projects per year (2005 to date)
11. Masterplan Study for Bandar Kuantan for MPK (2013-2015)
12. Kajian Pengangkutan Awam Besepadu untuk MBSA, 2015 - 2016
13. Piperack Feasibility Study for Gebeng Industrial Area, Kuantan, Pahang, 2016 - 2017
14. Project Planning for FR12 (Gambang – Muadzam), Mulia Interlink Construction Sdn Bhd, 2016
15. Traffic Impact Assessment Study of more than 12 projects per year (2005 – to date)

**Ir. Richard Wong Chuen Fun** is a Civil engineer with more than 35 years of experience in the industry, with 6 years in HSS Integrated Sdn Bhd and 15 years in Minconsult, both of which are leading engineering consultancy firms in Malaysia. He graduated with a B.E. (Civil) from Monash University, Melbourne, Australia in 1983.

His key experience extends to road safety audits, project management, road and bridge designs, junction and interchange designs, traffic light designs, traffic and transportation engineering, traffic impact assessment and traffic studies.

Ir. Richard is a Professional Engineer with Practicing Certificate registered with the Board of Engineers, Malaysia (BEM); a Road Safety Auditor accredited by Jabatan Kerja Raya (JKR), Malaysia; Past-Chairman of the Highway and Transportation Division of the Institution of Engineers, Malaysia (IEM); a member of REAM; an Associated ASEAN engineer; and was a participating member of the JKR Feedback Group which drafted the guidelines for the contents of the Road Safety Audit Report by JKR.

