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ROAD ENGINEER INDUCTION SERIES
SERIES 5 :
VIRTUAL HALF-DAY SEMINAR ON SOFTWARE FOR TRAFFIC & TRANSPORTATION PLANNING & HIGHWAY DESIGN

Date : 4th July 2024
Time: 09.00 AM – 01.00 PM
Speaker: Ir. Ts. Syed Khairi Syed Abbas /
Mrs. Fatin `Amirah Azmi / Mr. Kughanathan Kuppusamy

BEM Approved CPD: 4 Hours
CPD Ref. No.: IEM24/HQ/214/S (w)

	ONLINE (Log-in for registration & payment: www.myiem.org.my/member/login.aspx)	NORMAL FEE (by fax & email) Payment by cash, credit card and bank-in
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Organized by:
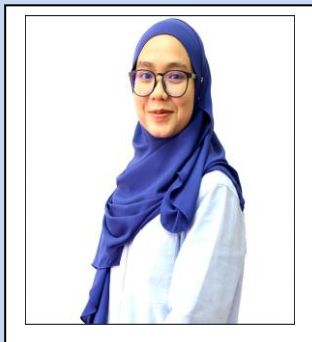*Highway and Transportation Engineering Technical Division (HTETD), IEM*

Ir. Ts. Syed Khairi Syed Abbas holds a Bachelor of Civil Engineering with Honours (2009) and a Master's in Civil Engineering (2012). He is registered as a Professional Engineer with the Board of Engineers, Malaysia (BEM) and a Professional Technologist with the Malaysian Board of Technologists (MBOT). He is a Corporate Member of the Institute of Engineers, Malaysia (IEM). He has been actively involved as a Committee Member in the Highway Transportation Engineering Technical Division (HTETD, IEM) since 2015.

With over 14 years of working experience, he has spent 7+ years in the academic sector, focusing on management, administration, research, programme accreditation, teaching, and learning activities. Additionally, he has accumulated over 7+ years of industry engineering practice in civil engineering, particularly in traffic, highway, and transportation planning.

Mr. Kughanathan's impressive 20-year tenure at Astasoft Sdn Bhd is a testament to his unwavering commitment to providing exceptional customer service. As the Director of Sales and Customer Support, he has leveraged his expertise in road design, software customization, and engineering applications to build and manage high-performing sales teams. His ability to develop and maintain strong customer relationships has helped solidify Astasoft's position as a leader in the industry. With a B.Eng (Civil) Hons degree from USM in 2002, Mr. Kughanathan brings a wealth of knowledge and experience to every project he undertakes.

Fatin `Amirah Azmi graduated with a Bachelor's Degree in Geomatics Science (Hons.) from Universiti Teknologi Mara (UiTM) in 2012. With a career spanning approximately 12+ years, she has gained extensive experience in the transportation and traffic planning field. Throughout these years, she actively participated in various traffic and transportation planning projects, focusing on conducting Traffic Impact Assessment (TIA) studies and Transport & Highway Master Plan studies.

Fatin `Amirah has also developed and implemented macro-simulation models using the EMME software. Her proficiency in using this software has allowed her to contribute to the accurate modelling and analysis of transportation systems. She is dedicated to utilizing her expertise to optimize traffic flow, improve transportation networks, and enhance overall transportation efficiency.

SYNOPSIS

This seminar intends to give aspiring fresh graduate/ junior traffic & road engineers or transport planners an overview of traffic & transportation planning and highway engineering design software. Using the software is essential for civil engineers involved in planning, designing, and managing highways and any transportation projects. These software programs can help engineers improve transportation infrastructure's safety, efficiency, and environmental impact.

Transportation & traffic planning software is a type of software that helps transportation planners and engineers to plan, design, and manage transportation networks. This software can be used to:

a. **Data analysis**: Transportation & traffic planning software can be used to analyze traffic data. This data can be used to identify trends, improve traffic flow, and make informed decisions about transportation planning.
b. **Visualization**: Transportation & traffic planning software can be used to create realistic visualizations of transportation networks. This can be used to communicate traffic conditions to stakeholders and to improve public understanding of transportation issues.
c. **Integration with other software**: Transportation & traffic planning software can be integrated with other software, such as GIS software and asset management software. This gives transportation planners and engineers a more complete view of the transportation network.

Highway design software is a type of software that helps civil engineers to design the geometric features of highways. This includes the alignment, cross-sections, and slopes of highways. Highway geometric design software can be used to:

a. **Analyze the geometric features of highways**: Highway geometric design software can be used to analyze the geometric features of highways. This helps to ensure that highways are designed for safety and efficiency
b. **Create 2D and 3D models of highways**: Highway geometric design software can be used to create 2D and 3D models of highways. This allows engineers to visualize their designs and test different design options.
c. **Generate reports and documentation**: Highway geometric design software can be used to generate reports and documentation of highway designs. This helps to ensure that designs are compliant with standards and regulations.

In summary, highway engineering design software and traffic & transport planning software are vital tools for optimizing highway construction and planning processes. They enable engineers and planners to design efficient and safe highways, optimize traffic flow, minimize costs, and incorporate environmental considerations, ultimately leading to well-designed and sustainable transportation infrastructure.

TENTATIVE PROGRAMME

Time	Programme
9:00 AM – 9:05 AM	Welcoming remark by IEM representative
9:05 AM – 11:00 AM	Overview of transportation & traffic planning software
11:00 AM – 11:05 AM	Break 5 minutes
11:05 AM – 01:00 PM	Overview of highway engineering design software

* IEM reserves the right to postpone, reschedule, allocate, or cancel the course

REGISTRATION FORM

ROAD ENGINEER INDUCTION SERIES
SERIES 5: VIRTUAL HALF-DAY SEMINAR ON SOFTWARE FOR TRAFFIC & TRANSPORTATION PLANNING & HIGHWAY DESIGN
04th JULY 2024

	ONLINE (Log-in for registration & payment: www.myiem.org.my/member/login.aspx)	NORMAL FEE (by fax & email) Payment by cash, credit card and bank-in
IEM Student Member	40.00	50.00
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No	Name(s)	Membership No.	Grade	Fee (RM)
			SUB TOTAL	
			+ 8% SST	
			TOTAL PAYABLE	

PAYMENT DETAILS :

FULL PAYMENT must be settled before commencement of the seminar, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participant fails to attend the course, the fee is to be settled in full. If the participant failed to attend the course, the fee paid is non refundable. The Registration Fee includes lecture notes, refreshment and lunch.

For **ONLINE REGISTRATIONS**, please note that payment **MUST** be made **BEFORE the closing date**. If payment is not received within the stipulated time, the registration the registration automatically cancels..

Contact Person : _____   Designation : _____

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TERMS & CONDITIONS:

- For ONLINE REGISTRATIONS, only ONLINE PAYMENT is applicable [via RHB and Maybank2u – Personal Saving & Personal Current ; Credit Card - Visa/Master.
- Payment via CASH / CHEQUE / BANK-IN TRANSMISSION / BANK DRAFT / MONEY ORDER / POSTAL ORDER / LO / WALK -IN will be considered as NORMAL REGISTRATION
- The Organising Committee reserves the right to cancel, alter, or change the program due to unforeseen circumstances. Every effort will be made to inform the registered participants of any changes. In view of the limited places available, intending participants are advised to send their registrations as early as possible so as to avoid disappointment

FOR FURTHER DETAILS, KINDLY CONTACT:
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