

PHYSICAL DIGITAL CLASS

“Beyond Large Language Model (LLM): Creating a Self-Driving Engineering Workflow with AI Agents”

 **15th November
2025, SATURDAY**

 **09.30am - 11.30am**

 **IEM MAKERS SPACE, WISMA IEM, PJ**



**Limit to
Physical 25
seats only**

**For speakers biodata
kindly click the QR**

CPD HOURS : 2.0 CPD | REF NUM : IEM25/HQ/527/T

**Registration fee
IEM Member: Free
Non-Member:
RM70.00**

Speakers Line Up



Ir. Chai Chen Sing



**Ir. Lee Mun
Poh**



**Ir. Yasser Asrul
Ahmad**



**Ir. Chee Shai
Choon**

Synopsis

This practical workshop introduces participants to the exciting world of AI agents – intelligent systems capable of automating reasoning, communication, and decision-making tasks. Through guided demonstrations and hands-on activities, participants will learn how to create, configure, and deploy their own AI agents using online platforms.

The session begins with an overview of what AI agents are, how they differ from conventional chatbots, and their growing role in modern workflows across industries such as engineering. Participants will then be guided step by step in building a simple agent. The exercises will demonstrate how to define an agent's purpose, upload reference documents, customize its tone and personality, and test its performance in real world scenarios.

By the end of the session, participants will have experience of creating AI agent tailored to their field of interest and an understanding of how to extend its functionality. This workshop empowers attendees to move beyond theoretical knowledge and apply AI practically in their daily work – streamlining repetitive tasks, improving decision accuracy, and enhancing productivity through intelligent automation.

Register now at : www.myiem.org.my

Speakers Biodata

Ir. Chai Chen Sing With 24 years of experience in the engineering industry, Ir. Chai's experience range from consulting services and contracting in construction industry, SCADA implementation for processing plant, web application development and Internet Of Things (IOT). He is currently the principal consultant for Versoset Engineers Sdn. Bhd. and also the technical director for Mercatura, an IOT solution provider. He heads the technical development for integrated custom-made embedded system as well as web application development utilising cloud solution. Ir. Chai Chen Sing graduated from university of new south Wales, Australia in 1992

Ir. Lee Mun Poh Graduated with a bachelor of science (mechanical engineering) from the university of Sussex (UK) in 1975. He is a registered professional engineer with a practising certificate (mechanical), board of engineers, malaysia. Ir. Lee has more than 45 years working experience in the field of industrial automation and controls. He was the past chairman to IEM ICTSIG. He has completed projects in wood, electronic, electrical, chemical and automotive industries.

Ir. Dr. Yasser Asrul Ahmad holds a bachelor's degree in electrical engineering from Vanderbilt University USA, MSc from University Kebangsaan Malaysia (UKM) and PhD from International Islamic University Malaysia (IIUM). He is also a registered Professional Engineer with Practising Certificate registered with the Board of Engineers Malaysia (BEM). He started his career as a spacecraft engineer at Astronautic Technology (M) Sdn Bhd (ATSB) in 1999 where he was involved in various international satellite project collaboration such as TiungSAT-1 with Surrey Satellite Technology Limited (SSTL) UK, Small Payload Orbit Transfer Vehicle Project with AeroAstro, USA, and RazakSAT remote sensing satellite program with Satrec-i, South Korea, as well as internal studies on small GEO satellite communications and synthetic aperture radar satellite. He specialized in spacecraft transmitter and receiver, antenna system, electrical ground support equipment (EGSE) and ground station for frequencies ranging from VHF to Xband. Later he took up responsibility as a system engineer and project manager involving in satellite system engineering activities, such as satellite Assembly Integration and Test (AIT), launch and ground station ICD development, LEOP and launch campaign. After that, he joined ATM Solution Sdn Bhd a Malaysian technology partner for Agilent Technologies as a Technical Manager overseeing a team of application engineers to provide technical solutions using electronic test & measurement instruments to clients in the segment of Telecommunication, Education, Aerospace & Defense, and Government & GLC institutions. Subsequently, he pursued a career as an independent engineering consultant specializing on CubeSat development for his clients in Malaysia, Singapore and Indonesia. At the same time, he was appointed by University Selangor (UNISEL) as a Lecturer in Practise to share his working experience through teaching undergraduates at the Faculty of Engineering. He then developed an interest in academic and joined IIUM. He is also actively involved in community services where he is a corporate member of the Institution of Engineers Malaysia (IEM) and hold a position as the Chairman of ICT Special Interest Group (ICTSIG) for three session (2019-2022). In ICTSIG, activities such as talks & technical visits were organized in the area of IoT, Blockchain, AI, Green Energy, Smart Cities, 5G and programming languages. He also contributes to the country's engineering education development as an Accreditation Panel for Engineering Accreditation Council (EAC) and Engineering Technology Accreditation Council (ETAC)

Ir. Chee Shai Choon is a CPESC certified professional who leads a group of software developers in C & S Software Solutions Sdn. Bhd. which incorporated in year 2006. He is specializing in storm water where he has developed a "core msma suite" which covers all the chapters in msma 2nd edition. He has completed the whole msma2 into digital edition. He is the software developer of the infrastructure software which provided the most comprehensive civil engineering software. He has accumulated 21 years of his experience in field of IT and engineering design. His official website: www.civilstructural.com.my. Currently his company has an international collaboration with three international engineering software companies from Europe i.e. Bricsys (recommended alternative cad) Bricscad BIM, Computer Control System(Bridges)-Greece and Ingeciber, S.A(FEM) Spain. Along with his involvement on IT, he had conducted a number of talks/training in various organizations like IEM, JOS in JPS Ampang, Wawasan Professional Training Centre in KL. Talks & seminar.