



IEM

The Institution of Engineers, Malaysia

Organized by :
Information & Communications Technology
Special Interest Group (ICTSIG), IEM

Virtual Half Day Course on “Ladybug Robotics”

Beginner Friendly and
flexible for advance user

A Robotics Kit Designed and Made in
Malaysia, especially for Malaysian

CPD HOURS: 3.0 Ref No: IEM24/HQ/028/W (w)

SPEAKER BY:

Ir. HOR KOK LUEN
&
Mr. LIM ZHI HAO

DETAILS



13 November
2025, (Thursday)



9am - 1pm



Virtual - Zoom

POWERED BY:



**REGISTER
NOW!**



PROGRAMME

9:00am: Welcoming
Speech by Moderator
9:15am: Part 1: Using the
Lady bug
robot, adaptable to
Arduino. Enhance the
teaching tool
10:15am: Break
10:30am: Part 2:
Adaptable to Arduino.
Empowering students
with our project- based
learning skill workshop.
12:30pm: Q & A Session
1:00pm: End of Session

Closing Date : 07th November 2025

Registration Fees	ONLINE (Log-in for registration & payment at IEM PORTAL)	NORMAL FEE (By Email: Invoice & Quotation)
IEM Student	30	40
IEM Graduate Members	50	70
IEM Corporate Members	70	90
Non-IEM Members (Non of the Above)	100	150

SYNOPSIS

Lady Bug robot workshop- empower STEM education. Gain hands-on expertise using the Lady bug robot, adaptable to Arduino. Enhance the teaching tool kit for teachers/ trainers and inspire student innovative ways. Empowering students with our project- based learning skill workshop. Dive into hands-on learning using the Lady bug robot. Explore new avenues of creativity and problem solving in a supportive environment.

1ST SPEAKER PROFILE: IR. HOR KOK LUEN



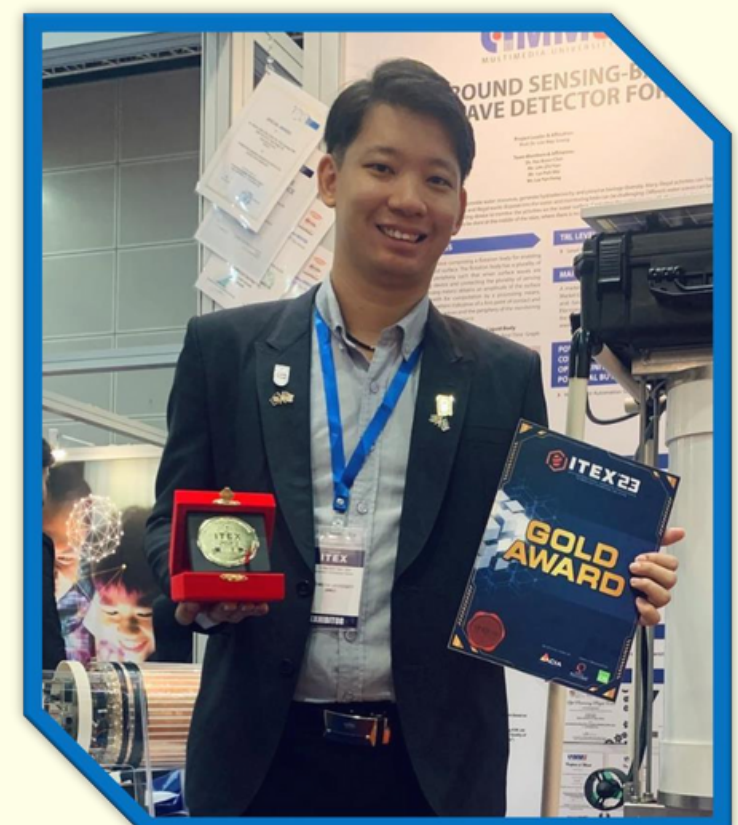
Ir. Hor Kok Luen (P.Eng, PEPC, MIEM, First Grade Competent Steam Engineer, ASEAN Engineer, APEC Engineer, International Professional Engineer) graduated from University of Science Malaysia (USM) in 2001. He is holding the Bachelor of Degree (Hons.) in Mechanical Engineering.

He has more than 20 years of working experience in the palm oil mill & related downstream industries, inclusive of biogas power plant and biomass plant. He has vast experience in palm oil mill design, mill upgrading and mill troubleshooting as well as palm oil waste handling & management.

As holding the qualification as Competent First Grade Steam Engineer (JKKP, Malaysia), currently he is performing his profession in palm oil and related industries, which aggressively embark involving in palm oil mill processing, Aviation fuel, ESG Program, long fibre plant, short fibre plant, organic waste water treatment plant design & management, biomass power plant, biogas capturing plant, CHP plant and of course green energy generation for grid connection (Feed in tariff) besides islanded unit for in-house consumption. The speaker is a corporate member of The Institutions of Engineers Malaysia (IEM) in Mechanical Discipline. He is also a Registered Professional Engineer with Practicing Certificate (PEPC) with the Board of Engineers Malaysia (BEM). He is a qualified ASEAN Engineer (AE), APEC Engineer and International Professional Engineer MY_E_00573. Currently he is the committee members of Information, Communication & Technology Special Interest Group (ICTSIG) The Institutions of Engineers Malaysia, IEM.

2ND: SPEAKER PROFILE: MR. LIM ZHI HAO

Founded RoboForce PLT with dedicated partners. Our venture focuses on fostering STEM education for children through robotics training. Additionally, we offer a spectrum of engineering services, spanning embedded system development, mechanical design and 3D printing. Beyond that, our commitment extends to supporting universities in their R&D endeavours. This multifaceted approach reflects our dedication to both educational enrichment and technological innovation. On top of that, I am also a certified HRDF Trainer, mainly serving as a team-building trainer, I am also a coordinator and robotic ad-hoc trainer for university inbound exchange programmes, the involved universities are from various countries such as Thailand, Philippines, India and Japan.



REGISTRATION FORM

VIRTUAL HALF DAY COURSE ON
“LADYBUG ROBOTICS”
13 NOVEMBER 2025 (THURSDAY) CLOSING DATE : 07 NOVEMBER 2025
Email : nursyazliza@iem.org.my

Registration Fees	ONLINE (Log-in for registration & payment at IEM PORTAL	NORMAL FEE (By Email:Invoice & Quotation)
IEM Student	30	40
IEM Graduate Members	50	70
IEM Corporate Members	70	90
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NAME	MEMBERSHIP NO. / GRADE	FEES (RM)
Sub Total:		
SST Added 8% :		
Total Amount Payable :		

PAYMENT DETAILS :

- ☐ Cash RM_____
- ☐ Cheque no._____for the amount of RM_____(non-refundable) .

FULL PAYMENT must be settled before commencement of the course, 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 fee will be reverted to the normal registration fee.

Contact Person: _____Designation:_____

Name of Organization: _____

Address : _____

Telephone No. : _____(O) _____

Company Registration No. : _____

Tax Identification (TIN no) : _____

Email : _____

Signature & Stamp

Date