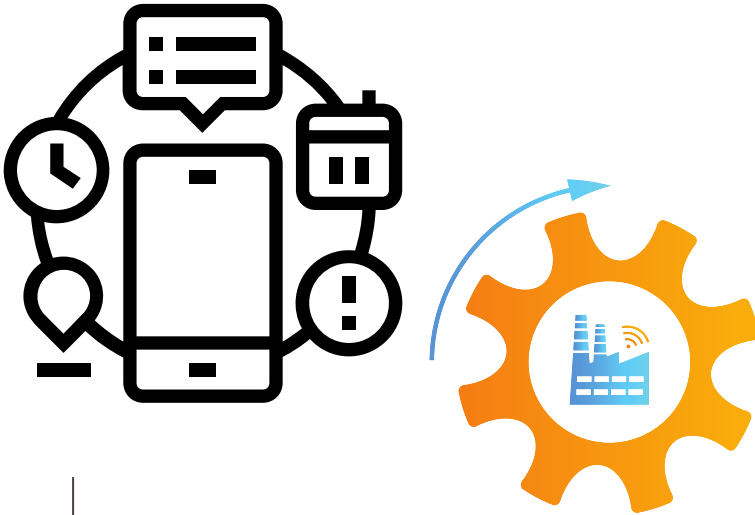


Industrial Automation Towards Industrial Revolution 4.0



About us

Who we are

The Centre for Continuing and Professional Education (CPE) was established in 1999 to provide continuing professional education and lifelong learning opportunities for University's staff, students, alumni and the public. As part of TAR UMT's commitment to continuing education and lifelong learning, CPE is entrusted with designing, developing and delivering various activities, workshops and programmes to meet the diverse learning needs of multiple parties.

About This Training

THE FOURTH INDUSTRIAL REVOLUTION, commonly known as Industry 4.0, will change the way businesses function especially in the manufacturing industry and increase their competitiveness globally. This course is intended to close the gaps by providing the hands-on opportunities in the design and development of industrial automation system. In this beginner level course, participants would be introduced to sensor technologies, actuators, PLC architecture and programming that served as the basis of an automation system. Then, they have the opportunity to build their own simple automation system integrating and combining what they learned. By grabbing this valuable experience, participants familiarize themselves on the concept and implementation of automation to build confidence in setting the future automation agenda in industry.



Date and Time

16 - 18 & 23 - 25 June 2023
Friday - Sunday
9 AM to 5 PM



Training Venue

TAR UMT
Jalan Genting Kelang, Setapak
53300 Kuala Lumpur



Trainers

Ts Dr Lee Yoon Ket
Dr Chiew Tsung Heng
Dr Chang Kai Ming
Dr Ong Jia Jan

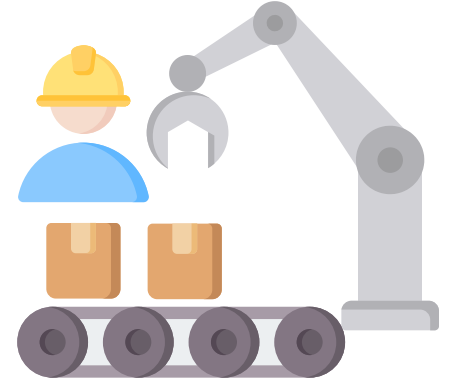
COURSE CONTENTS



Sensing
Technologies and
Actuators



Motors and Programmable Logic
Controller (PLC)



Hands-On Industrial Automation Project: I

PLC Simulation Programming
and Its Application

Hands-On Industrial Automation Project: II

Hands-On Industrial Automation Project: III

Introduce our Trainers

Lee Yoon Ket

Ts Dr Lee Yoon Ket is the principal lecturer of the Mechanical Engineering Department in the Faculty of Engineering and Technology, TAR UMT. He completed his PhD at Queen University of Belfast, U.K in 2004. In 2017, Ts Dr Lee has been registered under the Engineering Council U.K. as a member of Institute of Mechanical Engineers with the title of Chartered Engineer. He has registered with Malaysia Board of Technologists in the Manufacturing and Industrial Technology area with the title of Ts. in 2018. Ts Dr Lee possesses 7 years of industrial working experiences and 8 years of academic experiences. His research interests mainly focus on application of Industry 4.0 to SMI, Autonomous system and Manufacturing planning and control. Currently, Ts Dr Lee is leading the Centre of Autonomous and Robotics Research in TAR UMT that focuses on applications of Industry 4.0 in industry. Currently his research center is constructing a RAMI Industry 4.0 ginger manufacturing line testbed which is supported by RMK11 grant. Furthermore, Ts. Dr Lee is holding an industrial research grant project to automate the production loading system in the context of Industry 4.0 for a SMI factory.

Contact Us



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training@tarc.edu.my
<https://www.tarc.edu.my/cpe/>

Chiew Tsung Heng

Dr Chiew Tsung Heng is the Programme Leader for Mechatronics Engineering programme and senior lecturer in Department of Mechanical Engineering, Faculty of Engineering and Technology, TAR UMT. His research interest is in the motion control system of machine tools, industrial automation and robotic technologies, and Industry 4.0. Dr Chiew received his PhD, MSC in Manufacturing Engineering, and Bachelor in Manufacturing Engineering (Robotics and Automation) from Universiti Teknikal Malaysia Melaka. Dr Chiew has 3 years of teaching experience and is now actively involved in industrial collaboration research and projects. He is the core member of the Centre of Autonomous and Robotics Research in TAR UMT that is heavily involved in the construction of a RAMI Industry 4.0 ginger manufacturing line testbed. Moreover, he also co-supervised the industrial project of automating a production loading system in the context of Industry 4.0 for a SMI factory.

Chang Kai Ming

Dr Chang Kai Ming Currently a Senior Lecturer in the Department of Mechanical Engineering, Faculty of Engineering and Technology, TAR UMT. His research interest is in robotics, automation and networking for Industry 4.0. He received his PhD in Electronics and Electrical Engineering, MSc in Bio-nanotechnology and MEng Mechanical Engineering (Mechatronics) from the University of Southampton, UK. Dr Chang has 2 years of teaching experience and is a core member of the Centre of Autonomous and Robotic Research (CASRR) in TAR UC. Additionally, Dr Chang is also a member of the iMechE, IET and IEEE. The current projects which he is involving is automated vehicles and computer vision for remote monitoring and control of manufacturing activities.

Ong Jia Jan

Dr Ong Jia Jan Currently a Senior Lecturer in the Department of Mechanical Engineering, Faculty of Engineering and Technology, TAR UMT. He completed his PhD in 2016 and MEng (Honours) Mechatronics Engineering in 2009 at University of Nottingham Malaysia. Since 2017, Dr Ong has been registered under the Institute of Engineering and Technology (IET) U.K. as a Member of IET. Dr Ong possesses 4 years of industrial working experience and 2 years of academic experiences. His research interest area is in Industry 4.0, image data compression, encryption, error correction and minimal instruction set computer.

Click/Scan for enquiry



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Industrial Automation Towards Industrial Revolution 4.0

Venue: TAR UMT, Jalan Genting Kelang, Setapak, 53300 Kuala Lumpur

Date: 16 - 18 & 23 - 25 June 2023 (9.00 am - 5.00 pm)

REGISTRATION FORM



CENTRE FOR CONTINUING & PROFESSIONAL EDUCATION

Fees: Public
RM 2067.00 per participant
(inclusive of 6% Service Tax)

TAR UMT Student/Alumni
RM 1653.60 per participant
(inclusive of 6% Service Tax)

The Manager

TARC Education Foundation (1033820M)

Tunku Abdul Rahman University of Management and Technology (TAR UMT)

TEL: 03-4145 0170

Email: training@tarc.edu.my

Dear Madam / Sir,

Please register the following participant(s) for the above programme: (To be completed in BLOCK LETTERS)

1	Name : <input type="text"/>	IC No. : <input type="text"/>	Nationality : <input type="text"/>
	Email: <input type="text"/>	Mobile No. : <input type="text"/>	Designation : <input type="text"/>
2	Name : <input type="text"/>	IC No. : <input type="text"/>	Nationality : <input type="text"/>
	Email: <input type="text"/>	Mobile No. : <input type="text"/>	Designation : <input type="text"/>

(If space is insufficient, please attach a separate list)

Disclaimer

Registration is on a first-come-first-served basis. All cancellations must be made in writing. Cancellation made 14 days or more in advance of the workshop date will receive full refund. Cancellations made thereafter will be subjected to a cancellation fee of 50% of the workshop fee. All fees are payable in the event of non-attendance of any registered participant(s) or the overall attendance falls below 75% of total workshop hours. Replacement(s) can be accepted at no additional cost if notified 24 hours prior to the commencement of the workshop. The Tunku Abdul Rahman University of Management and Technology reserves the right to change the speaker, reschedule or cancel the workshop and all efforts will be taken to inform participants of the changes.

We hereby confirmed that (please tick accordingly):

We will be claiming under **HRD Corp Claimable Course** and full payment would be made to Tunku Abdul Rahman University of Management and Technology in the event that no disbursement from **HRD Corp** under any circumstances.

We will **NOT BE CLAIMING** from **HRD Corp**. Payment will be made to account payee TAR UMT by cheque or bank transfer to Public Bank Account No. 3 1 8 1 5 6 4 1 1 3. Kindly submit your payment remittance to training@tarc.edu.my together with this registration form.

Submitted by

Name : <input type="text"/>	Designation : <input type="text"/>	Department: <input type="text"/>
Email : <input type="text"/>	Telephone No. : <input type="text"/>	Mobile No. : <input type="text"/>
Company Name: <input type="text"/>	Company Registration No. : <input type="text"/>	
Company Address : <input type="text"/> <input type="text"/> <input type="text"/>	Company Stamp & Signature : <input type="text"/>	Date : <input type="text"/>