

Internet of Things (IoT): A Treasure Guard With Your Fingertips



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

This is a hands-on course to build an "Treasure Guard" prototype solution with Internet of Things (IoT) technology. The IoT is the network of physical objects, devices, vehicles, buildings and other items, embedded with electronics, software, sensors, and network connectivity, which enables these objects to collect and exchange data. With increasing focus on data analytics, various industries need to capture data from sources of their business environment. This is where IoT can play a major role in real time data collections and hence providing relevant data analysis to companies for better decision-making. In this programme, we build a virtual guard with automatic sensing capability, to detect intruders and perform actions to protect the "treasure"



Date and Time

24 June 2023
 Saturday
 9 AM to 5 PM



Training Venue

TAR UMT
 Jalan Genting Kelang, Setapak
 53300 Kuala Lumpur



Trainer

Assoc. Prof. Ts Dr Tew Yiqi

COURSE CONTENTS



- INTRODUCTION TO IOT
 - UNDERSTANDING ON TARGETED IOT SOLUTION REQUIREMENTS
- IOT DEVICES, SENSORS AND ACTUATORS
 - UNDERSTANDING ON DIGITAL INFORMATION
- HANDS-ON: PRACTICALS
- VISUALIZATION AND ANALYSIS
 - DASHBOARD DESIGN, AUTOMATION BASED ON DECISION MAKER
- DATA COMMUNICATION AND PROTOCOLS
 - CLOUD FACILITIES AND RESOURCES
 - DATA CHANNELLING WITH EMBEDDED SYSTEM
 - NETWORKING AND DATABASE
 - SECURITY AND AUTHENTICATION



Introduce our Trainer

Assoc. Prof. Ts Dr Tew Yiqi

Dr Tew Yiqi received the B.Eng. (Hons.) electronics degree in computers, master's degree in computer science and PhD degree in 2008, 2011 and 2016 respectively. He has more than 12 years experience as system and firmware developer in image processing (satellite geographical data) and Internet of Things industry (wireless protocol and control design). He worked as a system development engineer in 2008 to develop a satellite image receiving system with graphical display user interface and as a senior firmware developer engineer in 2011 to build a radio frequency transmission protocol on Smart Home Automation system. Meanwhile, he was a research officer at University Malaya in 2012 while pursuing his postgraduate studies in High Efficiency Video Coding (HEVC) and information hiding area. He has published more than 30 papers including Web of Science ISI Tier-1 papers and was admitted as Associate Editor for IEEE Transaction on Circuits and Systems for Video Technology.

He has served as an academic staff since 2016, supervised projects in Computer Science and ICT, and particularly in image and video processing, embedded system and Internet of Things related areas. He is also the lead researcher from the Centre of Computational Intelligence in TAR UC to supervise Intelligent Classroom, Community Webcast Systems, Augmented Reality as well as Artificial Intelligence projects on face recognition, object and human behaviour detection. In addition, he received recognition and was appointed as a National Expert and Judge in the Internet of Things and Cloud Computing category from the Department of Skills Development, Ministry of Human Resource since 2018, to lead a national team in participating in the Asean and Asia level Skills Competitions. In his academic involvement, he actively participated in a number of industry and research projects. He received a TAR UC internal grant in 2017, Fundamental Research Grant Scheme by the Ministry of Education in 2018 to conduct HEVC Multi-view Video Streaming Mechanism for Data Distribution Service Framework and an industrial grant from Kian Joo Can Factory with the project related to Industry 4.0 data channelling implementation. Throughout his achievement, he obtained his professional technologist recognition from Malaysia Board of Technologist, Associate Fellow of ASEAN Academy of Engineering & Technology, the Outstanding Researcher Award in TAR UC in 2018 and 2020. His current research and consultancy projects are in the areas as follows: Internet of Things, Smart Manufacturing (Industry 4.0), Smart Agricultural, Augmented Reality, Optical Character Recognition, Machine Learning Application, etc, under his research centre

Contact Us



Centre for Continuing and Professional Education



+603-4145 0170
+6011-1075 8530 (whatsapp)



training@tarc.edu.my



https://www.tarc.edu.my/cpe/

Internet of Things (IoT): A Treasure Guard With Your Fingertips

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

Date: 24 June 2023 (9.00 am - 5.00 pm)

REGISTRATION FORM



CENTRE FOR CONTINUING & PROFESSIONAL EDUCATION

Fees: Public RM 424.00 per participant (inclusive of 6% Service Tax) TAR UMT Student/Alumni RM 339.20 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 :	IC No. :	Nationality :
<input type="text"/>	<input type="text"/>	<input type="text"/>
Email:	Mobile No. :	Designation :
<input type="text"/>	<input type="text"/>	<input type="text"/>
2 Name :	IC No. :	Nationality :
<input type="text"/>	<input type="text"/>	<input type="text"/>
Email:	Mobile No. :	Designation :
<input type="text"/>	<input type="text"/>	<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 :	Designation :	Department:
<input type="text"/>	<input type="text"/>	<input type="text"/>
Email :	Telephone No. :	Mobile No. :
<input type="text"/>	<input type="text"/>	<input type="text"/>
Company Name:	Company Registration No. :	
<input type="text"/>	<input type="text"/>	
Company Address :	Company Stamp & Signature :	Date :
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>		
<input type="text"/>		