

# MyReskill IoT Virtual Training Program

No Programming Skills? No Issue.....

Looking on how to hands-on the basic of Internet of Things (IoT)

28 – 30 September 2022

REGISTER for FREE Virtual Training, IoT Kit & Certificate!

Registration Fees: Free of Charge

- \*Strictly for Malaysian Registered companies only
- \*1 person per Company
- \*Limited Seat



Event Registration Link:

<https://forms.gle/G7HFmDLL6gsCHKer5>



Joint organised by



Consulting Engineering  
Special Interest Group  
(CESIG)



**FREE for  
IEM Member**

**\*Industrial-  
grade Gateway  
& Starter Kit  
will be  
provided**

# MyReskill IoT Virtual Training Program Schedule



Month	Training Date
September	26 – 28 September 2022
	28 – 30 September 2022
October	3 – 5 October 2022
	5 – 7 October 2022
	17 – 19 October 2022
	19 – 21 October 2022

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# MyReskill IoT Virtual Training Program



## | Overview |

MyReskill IoT program is a 2.5 days FREE virtual workshop plus one-week handholding in developing Proof-of-Concept (POC) where participants will learn about the Orange Pi and Arduino UNO hardware. Data gathered from the connected sensors will be displayed using Node-RED to enable visualization and remote monitoring.

## | Objectives |

- ❖ To assist companies in the adoption of Industry 4.0 among the local industries;
- ❖ To train the Industry IoT knowledge and skill-set for the non-coding workforce so that they can remain relevant in the job market; and
- ❖ To support, coach, prepare and enable 5,000 participating companies to carry our IoT project within their companies.

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## | Benefits of the Programme |

Each company will receive a complimentary IoT starter kit (1 set).

Each company (1 person) will receive certificate after completing the programme

Free monitoring sessions and technical support in developing Proof of Concept (PoC)

## | Who can join? |

Malaysian Registered firm (SSM, SKM and other registered agencies)

Small and medium-sized enterprises (SMEs) in manufacturing, manufacturing-related services, agriculture and service sectors.

\* Max 1 person / company only

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# MyReskill IoT Virtual Training Program



Day	Program
Day 1 9.00am – 4.30pm	<b>Topic 1: Introduction to IoT</b>  Synopsis: The topic 1 will cover the current industry trends, 4 <sup>th</sup> industrial revolution, national policy that is related to 4 <sup>th</sup> industrial revolution, and case studies.
	<b>Topic 2: Introduction to Starter Kit Set-up (Hardware &amp; Software)</b>  Synopsis: Topic 2 cover the overview of the hardware Overview (Raspberry Pi 4 & Arduino), including sensors, and gateway with hands-on and hardware set-up. In addition, the trainee will be trained on Raspberry PI Configuration and Software Configuration.
Day 2 9.00am – 4.30pm	<b>Topic 3: Introduction to Arduino &amp; Node-RED (Basic)</b>  Synopsis: Topic 2 focus on the Arduino IDE Module and Node-Red software. The trainee will be having an understanding on Node-Red overview, Nodes, Core nodes, creating first flow, and Installing Modules. Next, trainee will also cover Node Red Dashboard and its Features

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Day	Program
Day 2 9.00am – 4.30pm	<b>Topic 4:</b> <b>Node-RED (Intermediate)</b>  <b>Synopsis:</b> The topic 4 discusses the tabs and group of Node-Red Dashboard. Topics which will be covered in this topic include serial communication, gauge & charts, and notification function.
	<b>Topic 5:</b> <b>Way forward</b>  <b>Synopsis:</b> The topic 5 discusses the application of Sensors and Software in relation to Internet of Things. The topic covered the IoT application with case studies and examples as well as the potential proof of concept and used cases.
Day 3 Friday 9.00am – 1.00pm	<b>Topic 6:</b> <b>Development of Proof-of-Concept</b>  <b>Synopsis:</b> Upon successful completion of the 5 days virtual training, trainee will be guided to develop a proof of concept (PoC). Trainees will receive a set of IoT starter kit (Arduino, Raspberry-Pi and sensors) to develop their PoC. After the completion of PoC, trainee will present and showcase their PoC to the coach.

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