

Course Code: TGS-2020505433

# WSQ - Mastering Raspberry Pi: Hands-On Practical Applications for Beginners

**Funding Available:** WSQ SkillsFuture Credit PSEA UTAP SFEC Absentee Payroll MCES

## COURSE INFORMATION

Sessions  
2 days

Duration  
16 hrs

Level  
Beginner

Assessment  
2 hrs

### VENUE

12 Woodlands Square #07-85/86/87 Woods Square Tower 1, Singapore 737715. 5 mins walk from Woodlands (NS9) MRT station.

The venue is disabled-friendly.

## WHAT'S THIS COURSE ABOUT

Topic 1: Overview of Internet of Things (IoT)

What is IoT?

Sensors and Actuators for IoT

Wireless Communication Technologies for IoT

IoT Applications and Use Cases

Topic 2: Collect and Post Environmental Data to Cloud

What is Cloud Computing

Setup Cloud Computing Account

Collect Environmental Data with Sensors

Transmit Environmental Data using Raspberry Pi

Introduction of Node-Red on Raspberry Pi

Post Data to Cloud using Node-Red MQTT or REST API

Topic 3: IoT Data Analytics and Visualization

Analyze...

## WSQ FUNDING

Full Fee S\$900.00 Before GST

GST S\$81.00 9% of fee

Baseline Nett S\$531.00 SG/PR age 21+ · 50% funded · incl. GST

MCES / SME Nett S\$351.00 SG age 40+ · 70% funded · incl. GST

## CERTIFICATION

- **Certificate of Completion from Tertiary Infotech** - Upon meeting at least 75% attendance and passing the assessment(s), participants will receive a Certificate of Completion from Tertiary Infotech.
- **OpenCerts from SkillsFuture Singapore** - After passing the assessment(s) and achieving at least 75% attendance, participants will receive an OpenCert (aka Statement of Achievement) from SkillsFuture Singapore, certifying that they have achieved the Competency Standard(s) in the above Skills Framework.

## REGISTRATION

<https://www.tertiarycourses.com.sg/wsq-mastering-raspberry-pi-hands-on-practical-applications-for-beginners.html>



SCAN TO REGISTER

## SUPPORT

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