



Course Code: TGS-2024045221

WSQ - Mastering Robot Operating System (ROS) Essentials - Developing Intelligent Robots

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

COURSE INFORMATION

Sessions 4 days	Duration 32 hrs	Level Beginner to Intermediate	Assessment 2 hrs
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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: Introduction to Robot Operating System (ROS)

Overview of ROS (a.k.a ROS2)

ROS Applications

ROS Installation

Topic 2: ROS CLI Tools

Configuring environment

Using turtlesim, ros2, and rqt

Nodes

Topics

Services

Parameters

Actions

Using rqt_console to view logs

Launching nodes

Recording and playing back data

Topic 3: ROS Client Libraries

ROS file system

Creating a workspace

Creating a package

Writing a simple publisher and subscriber (Python)

Testing with Turtlesim

Writing a simple...

WSQ FUNDING

Full Fee S\$2,000.00 Before GST

GST S\$180.00 9% of fee

Baseline Nett S\$1,180.00 SG/PR age 21+ · 50% funded · incl. GST

MCES / SME Nett S\$780.00 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/wsg-mastering-robot-operating-system-ros-essentials-developing-intelligent-robots.html>



SCAN TO REGISTER

SUPPORT

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