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# ROS APPLICATION IN MOBILE ROBOT

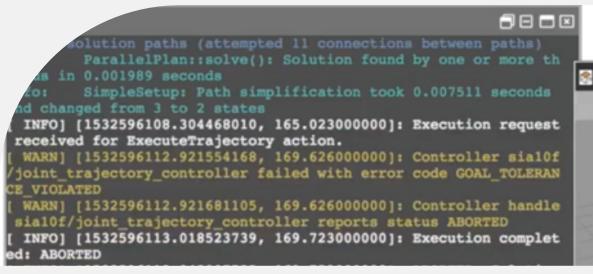
## **DESCRIPTION:**

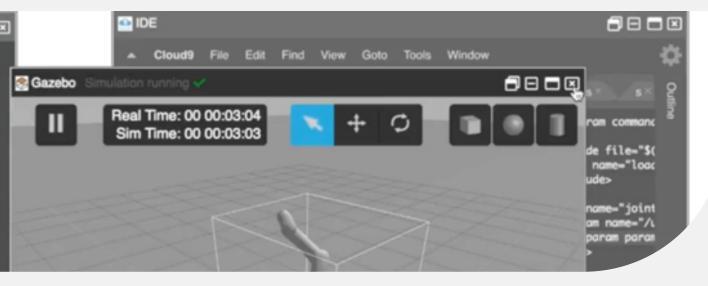
Learn some libraries and tools that developers used to build industrial robotic applications



## WHO SHOULD ATTEND:

- + Lecturer / Acadamician involved in Science, Technology, Engineering and Mathematics (STEM) education.
- + Those having basic computer knowledge and preliminary mathematics will ease the process of learning.
- + Engineers / Products designers working with robotics technology and handles extensive system simulation.





#### HRD CORP CLAIMABLE



## **DETAILS:**

**Duration**: 5 Days (9am-6pm)

Venue : Technology Hub (T-Hub)

C-G-5, UPM-MTDC Technology Centre III

Organised in collaboration with:





Technology provider by:

## **TRAINING MODULES:**

## Day 1: Introduction to Autonomous Mobile Robot

- + Intro other type of robot (AMR)
- + How robot (AMR) works
- + Intro to Controller (AMR)

# Day 2: Introduction to Robot Operating System

+ Installation and Testing ROS on OS

# Day 3: Demo of Robot Operating System

- + Do your own setting program
- + Create own parameter

## Day 4: Autonomous Mobile Robot Gazebo Simulation

- + Integrated ROS and Hardware
- + 2D Mapping

# Day 5: Autonomous Mobile Robot with Robot Operating System

- + Live Mapping with Robot
- + Autonomous Navigation

for more information contact:

### **TechCapital Resources Sdn Bhd**

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