



Masterclass: **INTERNET OF THINGS WITH ACTUATORS & SENSORS**

INTRODUCTION

This Masterclass is to impart knowledge about the 'things' that get connected in the Internet of Things to sense and interact with the real-world environment. This Masterclass provides the study of sensors, actuators and controllers among IoT applications. It offers hands-on experience to design IoT applications and explore their performances using the ESP32 development kit.

COURSE-LEARNING OUTCOMES (CLO)

- Acquire the knowledge of sensors, controllers and actuators
- Understand interface I/O devices, sensors & communication modules
- Develop real-life IoT-based projects

WHO CAN ATTEND THIS MASTERCLASS?

This is open to all diploma students.

CERTIFICATION

Certificate of Completion in Masterclass Internet of Things with Actuators and Sensors.

COURSE OUTLINE

1. Introduction to Sensors
2. Ultrasonic Sensors
3. PIR Motion Sensors
4. IR Sensors
5. Moisture Sensors
6. Camera Sensors
7. Actuators

