

MicroPython for Beginners -5 days (1hr/day)

| Day | Theory |
|-----------------------------------|---|
| Day1 24-11-2025 | Course Introduction |
| | Introduction to MicroPython and its applications |
| | MicroPython IDEs |
| | Getting started with MicroPython |
| Day2 25-11-2025 | Data types-Loops-Conditional statements |
| | Python Modules |
| Day3 26-11-2025 | Introduction to functions classes and objects |
| Day4 27-11-2025 | Overview of microcontrollers and their role in Embedded systems |
| | Introduction to Rpi Pico-W development board |
| Day5 28-11-2025 | Interfacing with hardware components (LED) |
| | Interfacing with hardware components (PWM) |
| | How to use remote Lab hardware-Tutorial |
| Day6 02-12-2025/ 03-12-2025 | Hands on with remote hardware lab. |

Important Dates

| Task | From | To |
|-----------|------------------|------------------|
| Exit Test | 28-11-2025 12 AM | 30-11-2025 12 PM |

- Certificate issued for eligible candidates within 2 weeks after completion of the course