# VECTOR
## INDIA

DRIVES YOU TO INDUSTRY

## MIRCO PYTHON

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GENUINE PLACEMENT
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# MICRO PYTHON

## MAKING STUDENTS INDUSTRY-READY WITH

### PYTHON FOR MICROCONTROLLER
### INTRODUCTION

Micro Python is a lean and efficient implementation of the python 3 programming language that includes a small subset of the python standard library and is optimized to run on microcontrollers and in constrained environments.

### Program syllabus

1. Getting Started with uPython
2. Introduction to microcontroller
3. Why micro python?
4. Working with Tonny IDE
5. Micro Python on the ESP32
6. Introduction to Python
7. Libraries
8. Simple pin operations
9. LED Blinking
10. Toggling the LED
11. Timers and Delay
12. Pins and GPIO
13. PWM
14. ADC
15. SPI bus
16. 12C bus
17. Sensors

18. Display
19. motors
20. Wi-Fi