

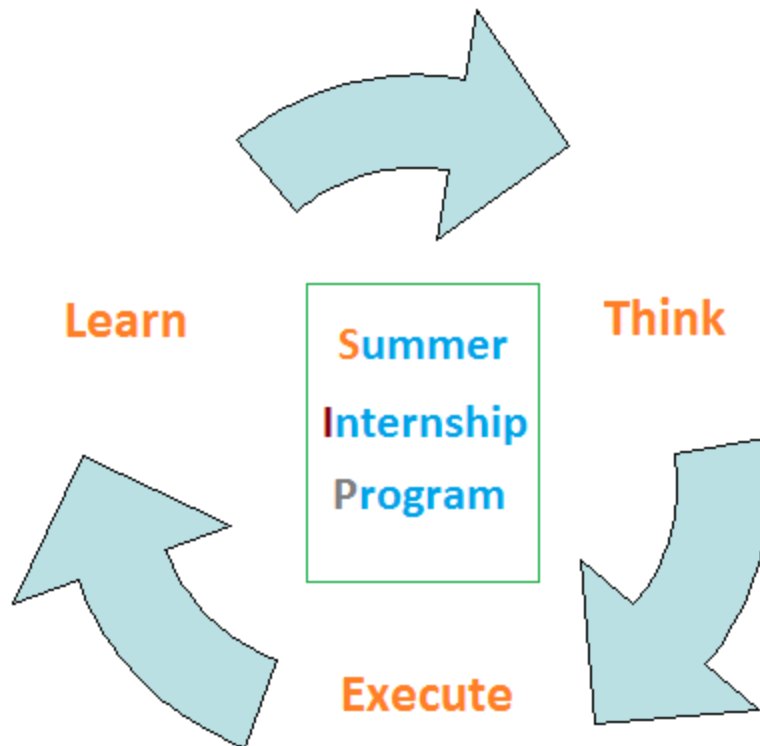


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Venture of IIT Bombay & VJTI Alumni

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Embedded Systems + Raspberry Pi IOT



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Practical & Professional Training on Raspberry Pi IOT

Course Syllabus

Module 1

- 1.1 Program Raspberry Pi : a credit-card sized computer
- 1.2 Python programming for Raspberry Pi
- 1.3 Interacting and configuring the RPi OS
- 1.4 ARM 11 architecture
- 1.5 Porting of Linux Kernel and booting RPi

Module 2

- 2.1 Linux programming basics

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Module 3

- 3.1 Programming the GPIO and interfacing peripherals With Raspberry Pi
- 3.2 Generating PWM signals through the Pi

Module 4

- 4.1 Programming and work with UART protocol ,example Bluetooth
- 4.2 Remote Login methods: HyperTerminal, Ethernet
- 4.3. Embedded Webserver

Module 5

- 5.1 Work with I2C protocol

Chapter 6

- 6.1 Developing GUI with TKinter

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Our Previous workshops



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