



Embedded Technosolutions

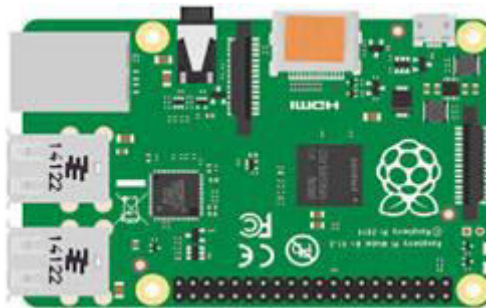
Venture of IIT Bombay & VJTI Alumni

3 Times IIT Bombay Robo Competition Winner

WORKSHOP

RASPBERRY PI & IOT DESIGNING

Government of India (MSME) & IIT Bombay Alumni Recognized



B R A N D

PROMISE

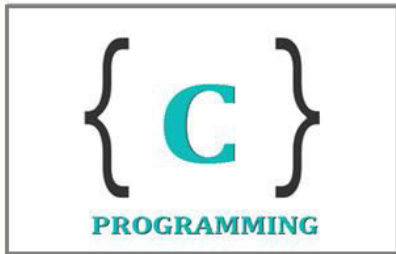
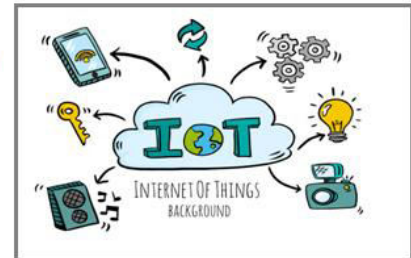
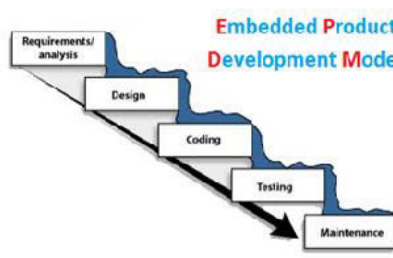
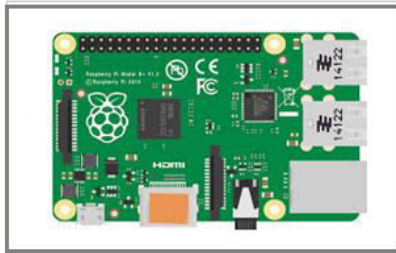
We Guarantee You that, You Can Develop Your Projects by
Your Own After This Training Program



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Practical & Professional Training on Raspberry Pi IOT

Module 1 : Raspberry Pi Set up & Configurations

- 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 : Linux Command for Application Execution

- 2.1 Linux programming basics

Module 3 : Raspberry Pi GPIOs

- 3.1 Programming the GPIO and interfacing peripherals With Raspberry Pi



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Module 4 : UART Protocol & Interfacing with RFID

4.1 Programming and work with UART protocol ,example Bluetooth

Module 5 : Raspberry Pi With IOT

5.1 Remote Login methods: HyperTerminal, Ethernet

5.2 LED Operation Using IOT

5.3 Embedded Webserver

Module 6 : Camera Interfacing & Applications Designing

6.1 Camera Libraries & Driver Installations

6.2 Camera based applications designing

	<u>Live Projects</u> : Raspberry Pi & Applications Designing Based
1	Traffic Light System
2	Voice Device Control System
3	RFID Security System (UART Protocol)
4	Camera Surveillance for Home Automation
5	Appliance Operation using IOT



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