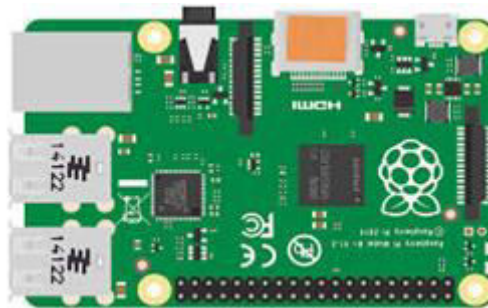**Embedded Technosolutions**

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

MSME
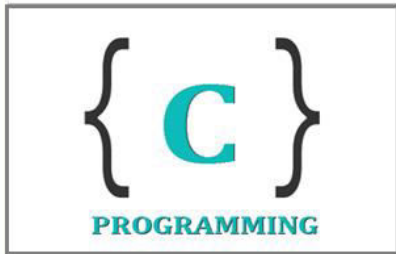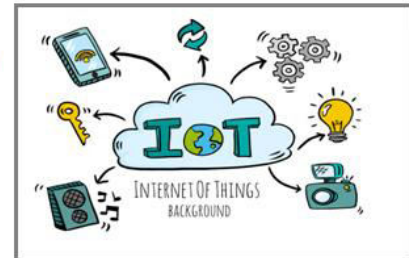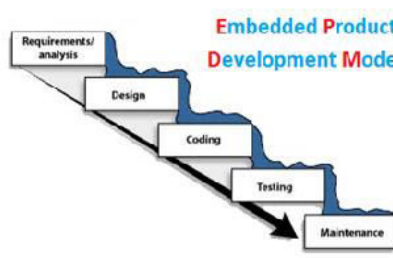सूक्ष्म, लघु एवं मध्यम उद्योग
MICRO, SMALL & ENTERPRISES

B R A N D
PROMISE

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

COURSE SYLLABUS
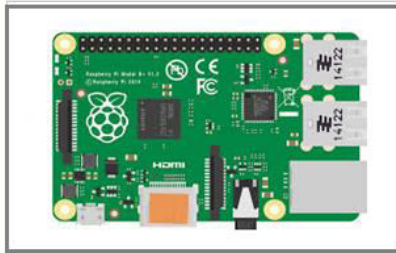
Practical & Professional Training on Raspberry Pi IOT

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

Module 4 : UART Protocol & Interfacing with Bluetooth

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 : Computer App Designing

6.1 Developing GUI with TKinter

	Live Projects : Raspberry Pi & Applications Designing Based
1	Traffic Light System
2	Voice Control Home Automation
3	Blue Sys using Bluetooth (UART Protocol)
4	Raspberry Pi Computer App Designing for Home Automation
5	Appliance Operation using IOT

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EUROPACERT

Embedded Technosolutions

Shop No. C/20, 1st Floor, Amrita Sadan, Near Hotel Dwarka Nerul Railway Stations, Nerul West, Mumbai- 400706, Maharashtra, India

Has established and applies a Quality Management System for following scope of activities:

Imparting Engineering Professional Training And Engineering Project Exhibitions Engineering And Engineering Paper Publication

The Management System of the above organization has been audited and found to be in accordance with the requirements of management system Standards Detailed Below:

ISO 9001: 2015

Certificate Number: 14464

Issue Date : 21st September 2017

Expiry Date : 20nd September 2020

Certification Manager

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भारत सरकार
Govt. of India
सूक्ष्म, लघु और मध्यम उद्यम मंत्रालय
MINISTRY OF MICRO, SMALL & MEDIUM ENTERPRISES

MSME

उद्योग आधार **Udyog Aadhaar**

Type of Enterprise	Micro	Small	Medium
Manufacturing	A	B	C
Services	D	E	F
UAN	MH19E0006383		

E

Government of India (MSME)

Name of Enterprise : Embedded Technosolutions

Type of Organisation
Proprietary

Postal Address
Shop No.C/20,1st Floor ,Amrita Sadan, Near Hotel Dwarka,Nerul West,District - Mumbai City, State - Maharashtra, 400706

Email
info@ embeddedtechnosolutions.com

Majority Activity
Services

District Industry Centre   **UAN**
Mumbai City   MH19E0006383

Government of India (MSME) & ISO 9001-2015
Approved Organisation
Running by IIT Bombay & VJTI Alumni