



Embedded Technosolutions

Venture of IIT Bombay & VJTI Alumni

3 Times IIT Bombay Robo Competition Winner

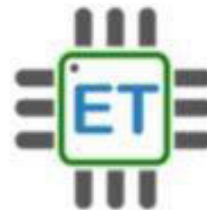
Industrial Certified

SRA - Level 1

**All India Council For Technical Skill
Development (AICTSD)**

In Association with

IITians Embedded Technosolution



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

Embedded Technosolutions is a Professional & Corporate Training Institute & a Company which Working for Indian MNCs & Medium/Small Scale Industries in Product R&D, Development, Manufacturing & Customization.

Our training sessions are purely practical based on industrial standards

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Till Now We Worked for the following Industries

- Crompton Greaves Ltd, Mumbai
- Laboratory Corporation of America, LabCorp, Burlington, NC USA
- Netfinity, India
- Continental Grain Corporation
- Brook Furniture Rental, Chicago, IL
- ITA, Bangalore
- RAK Ceramics, Mumbai
- Nvidia, Pune
- ARORA, Mumbai
- RED Cell, Mumbai
- Secutech ,Mumbai

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B R A N D

PROMISE

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



School Robotics & Automation

Level -1

Module 1 - Introduction

- Python | The New Generation Language
- Variables | Expressions | Functions
- Global and Local Variables

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Module 2 - Operators

- Division Operator
- Any and All Operator
- Increment and Decrement Operators
- Operator Functions
- Ternary Operator
- Quiz on Operators

Module 3 - Data Types

- Introduction
- Strings :
 - Strings | Set 1
 - Strings | Set 2
 - String Methods | Set 1
 - String Methods | Set 2
- List :
 - Comprehension and Slicing
 - List Methods | Set 1
 - List Methods | Set 2

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- Tuples
- Arrays | Set 1
- Arrays | Set 2
- Quiz on Data Types

Module 4 - Dictionary

- Introduction
- Dictionary Methods

Module 5 - Flow Control

- Loops and Control Statements
- Counters

Module 6 - Functions

- Mathematical Functions | Set 1
- Mathematical Functions | Set 2
- Calender Functions
- enum

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Module 7 - OOPs (Object Oriented Programming)

- Class | Objects
- Data Hiding and Object Printing
- Inheritance

	<u>Live Projects</u> : Based on School Robotics & Automation Level - 1
1	Design a Calculator
2	Program to swap two numbers
3	Program to check if given year is leap year or not
4	Program to print Floyd's triangle
5	Program to find Area of Circle
6	Program to find Area of a Triangle
7	Program to find factorial of a number
8	Program to find GCD / HCF of two number

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9	Program to find LCM of two number
10	Program to find all angles of a triangle
11	Solving $f(n) = (1) + (2*3) + (4*5*6) \dots n$ using Recursion
12	Program to print first n Fibonacci numbers
13	Multiply the given number by 2 such that it is divisible by 10
14	Program to find greater value between a^n and b^n
15	Maximum number of pieces in N cuts
16	Program to find Sum of the series $1*3 + 3*5 + \dots$
17	Program to find Length of Bridge using Speed and Length of Train
18	Program for converting Alternate characters of a string to Upper Case
19	Program to find missing characters to make a string Pangram
20	Program to check if a string is palindrome or not
21	Program for converting given time to words
22	Program to convert time from 12-hour format to 24-hour format

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23	Program to check if given Date is valid or not.
24	Small factorial
25	Odd or Even Numbers
26	Sum Palindrome
27	Remainder Solution
28	Printing Tables
29	Calculating Simple Interest
30	Sum of AP
31	Sum of GP
32	Greatest of three numbers
33	Calculating a^b
34	Printing Tables
35	Design a Game - Guess a Write Number

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