



**ALL INDIA COUNCIL FOR
TECHNICAL SKILL DEVELOPMENT**
अखिल भारतीय तांत्रिक कौशल्य विकास परिषद

AICTSD Certified

School Maths Programming

Implement Maths Concepts Through Programming & Automation

All India Council For Technical Skill Development (AICTSD)

In Association with
IIITians Embedded Technosolutions



Skill India
कौशल भारत - कुशल भारत



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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



Module 1 - Introduction

- Introduction to Python Language
- Industrial Importance of Python Language
- Features of Python Language

Module 2 - Environment Setup

- Getting Started with Python
- Installing Python



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- Unix and Linux Installation in Python
- Windows Installation
- Setting up PATH
- Setting path at Unix / Linux
- Setting path at Windows

Module 3 - Starting With Python Programs

- Script Programming
- Python Identifiers
- Python Keywords
- Python Lines and Indentation
- Python Multi-Line Statements
- Quotation in Python
- Comments in Python
- Using Blank Lines
- Multiple Statements on a Single Line
- Variables and Data Types in Python
- Multiple Assignment in Python Programming
- Standard Data Types in Python
- Data Type Conversion in Python



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- Python Input and Output

Module 4 - Python Operators

- Types of Different Operators in Python
- Changing the Order of Evaluation

Module 5 - Conditional statements in Python Programming

- if statements
- if...else statements
- The elif Statement
- Nested if statements

Module 6 - LOOPS in Python Programming

- While loop
- The Infinite Loop
- Using else Statement with Loops
- For loop



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<u>Live Projects</u> :	
School Mathematics & Programming	
1	Design a mathematics calculator
2	Find the area and perimeter of a circle whose radius is ' r '
3	Find largest number among 3 given numbers
4	Find odd & Even Numbers
5	Find Divisible Numbers
6	Exam Result Design & Calculate Grades using Programming
7	Celsius (°C) to Fahrenheit (°F) Conversion using Maths & Programming
8	Design Mathematical table such as 2's table , 3's table etc using Programming
9	Game Design - Guess a number