Coding with Python - Foundation

Level 9 | 48 Hrs. | Age group : 11 yrs. +

Description

This course gives students an excellent platform to learn the concepts of Python using syntax as well as block-based programming. Python is one of the Most Popular Programming languages with various applications in AI, machine Learning, Data Science, Image Processing and man more. Students work on real-life projects and solve the problems with Python based coding.

Skills you will Develop

- ▼ Logical Thinking
- ▼ Analysis of Data
- ▼ Problem Solving Skills
- ▼ Creativity
- ▼ Decision Making Skills

Eligibility

- ▼ Interest towards Coding and Building applications
- ▼ Previous knowledge of Block Based Programming Courses(Level 1 & 4).
- ▼ Basics of C / C++ (Not mandatory but preferred)

What will you Learn ?

- ▼ 50+ Projects on Python
- ▼ Multiple Programming Paradigms
- ▼ Python Syntax, Variables , Built-in Data Types
- ▼ Python Casting , Operators , statements and Loops
- ▼ In Functions you are going to learn about Creating a Function , Calling a Function, Arguments , Default Parameter Value , Return Values , The pass Statement
- ▼ Overview of Classes and Objects

- ▼ Using pre-installed Python library and Built-in function
- ▼ Rock, Paper and Scissors Game
- ▼ Dice Rolling Simulator
- ▼ Tic- Tac- Toe
- ▼ A Clock Dial by using Turtle
- ▼ Creating a Graph Paper