Programming Curriculum

| Class 1-10 **BEGINNER** | Class 11-20 **INTERMEDIATE** | Class 20-30 **ADVANCE** |

1 System Assembly
The students will learn about computer and its Parts
- Parts
- Uses
- Assembly
- Resource

2 Backend of Computer
The students will learn how programming works
- process
- Interpreter
- Compiler
- Quiz

3 Intro of Scratch
The students will learn basics of Scratch
- About
- Blocks
- Operation

4 Basics of Scratch
The students will learn to create a story and animate
- Sequence
- Keypress
- Events
- Loops

5 Commands in Scratch
The students will introduced to command and sequence
- String
- Loops
- Conditions

6 Projects in Scratch
The students will introduced to complex programs
- Painting Software

7 Intro to Python
The students will be introduced basic of python
- Introduction
- why python
- curriculam over view

8 Python Setup
The students will learn setup of python
- Basics
- Instalation
- Github overview

9 Objects and data Structure
The students will learn about data structure of python
- All types of operators

10 Comparison operators
The students will learn about statements of python
- logical operators
- Python statements

11 Methods and Functions
The students will learn about methods and Function
- Methods
- Functions
- Def
- Logics

12 Oops
basics of object oriented programming
- Intro
- Keywords
- Attributes
- polymorphism