

# CODE CALCULUS



Type the name of Coding

Your first step to coding!

Learn sequences, commands, blocks, algorithms, variables, loops, functions, events, sprites, 3D designs, Artificial Intelligence and its STEAM applications using kids friendly programming language developed by MIT and Google to create animations, games, stories and A.I. powered apps.

Coding Makes Kids Smarter!

Our unique "5C" teaching methodology



**Connect**  
Real world examples



**Concept**  
Demystify the topics



**Code**  
Digital Creations

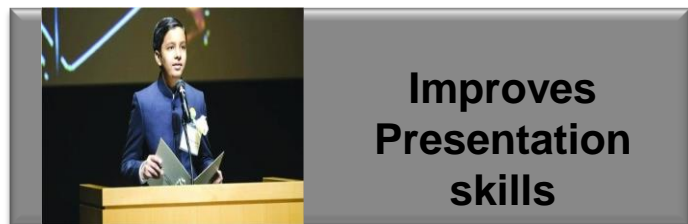
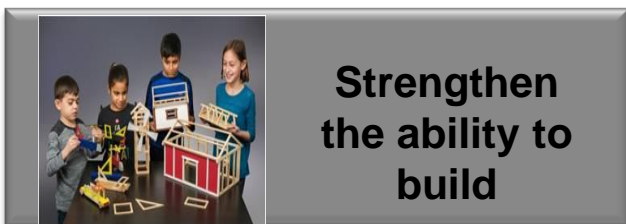
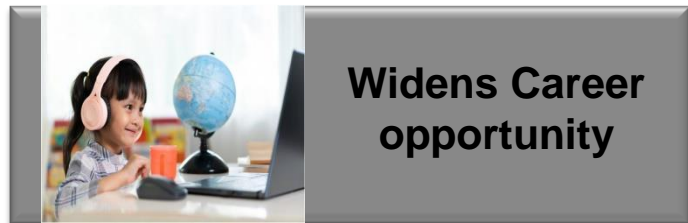
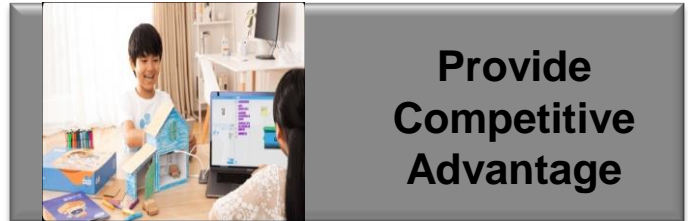


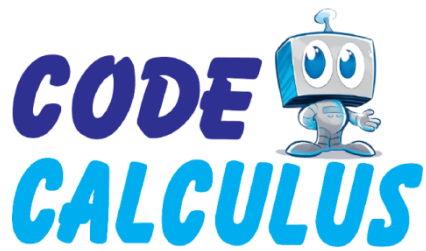
**Contemplate**  
Analyse viable possibilities



**Continue**  
Ideate & Practice Learning

## Benefits of learning to code at early age





# Course Descriptor




## **Mentor Led AI Curriculum for classes 9-12**

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Your first step to coding!

Learn sequences, commands, blocks, algorithms, variables, loops, functions, events, sprites using kids friendly programming language developed by MIT and Google to create animations, games, stories and apps. Share your apps with friends & family.

# CODE CALCULUS



Learn sequences, commands, blocks, algorithms, artificial intelligence, variables, loops, functions, events, sprites using kids friendly programming language.

Learn AI basics in the most efficient way possible.


## Pre-requisite for fundamental AI

1. Python programming language
2. OOPS concept

## Fundamental AI curriculum

- 1 Introduction to PYTHON
- 2 Oops concept in python
- 3 Oops concept in python
- 4 Modules discussion
- 5 Commonly used AI and ML modules
- 6 Setting up platform for AI
- 7 Chatbot (day-1) - dailogflow
- 8 Chatbot (day-2) - dailogflow
- 9 Chatbot (day-3) - dailogflow
- 10 Installation of modules
- 11 Working with matplotlib
- 12 Working with numpy
- 13 Working with pillow
- 14 Working with opencv

# CODE CALCULUS



15	Project using image processing libraries
16	Project using image processing libraries
17	Project using image processing libraries
18	Project using image processing libraries
19	More libraries for AI
20	AI theory concept
21	AI theory concept
22	Face detection
23	Color detection
24	E-commerce customer recommendation system
25	E-commerce customer recommendation system
26	E-commerce customer recommendation system
27	E-commerce customer recommendation system
28	E-commerce customer recommendation system
29	Assessment(day-1)
30	Assessment(day-2)