

# ROBBO club

TRAINING PARTNER



The following online classes are starting  
July 6th onwards:

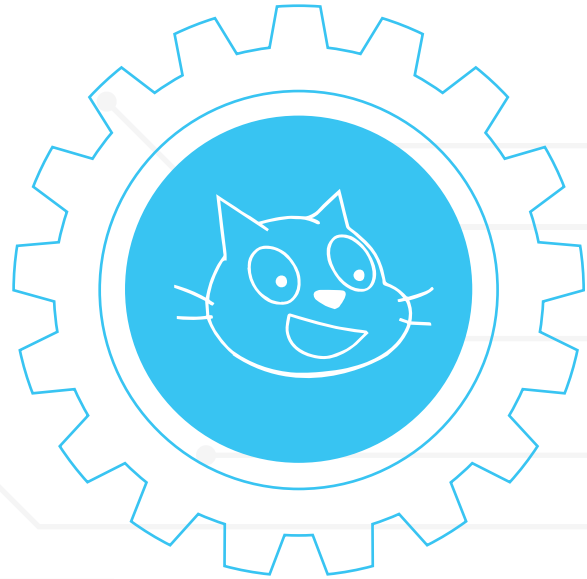
PROGRAM	AGE	DAYS	TIME
Scratch Jr	5-7	Tue/Thur	5-6 pm
Scratch	8-12	Wed/Fri	5.30-6.30 pm
MIT APP Inventor	11+	Wed/Fri	3-4.30 pm
Electronics	9+	Tue /Thur	5-6 pm
Arduino	11+	Wed/Sat	4.30-6 pm
Java	13+	Mon/Fri	5.30-7 pm
Python	13+	Wed/Sat	Msg for timings
CS Basics	10+	Mon/Fri	4-5 pm



## Creative Computing with Scratch Jr. (age 5-7yrs):

Online Coding classes with Scratch Jr., 5-7 yr olds can learn a programming language and create their own interactive stories and games. In the process, they also learn to solve problems, design projects, and express themselves creatively on the computer.

1 HR/SESSION | 8 SESSIONS/LEVEL | 3 LEVELS

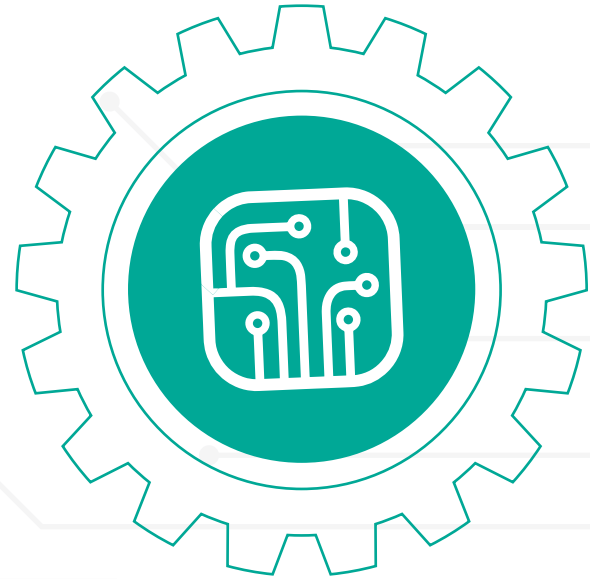


## Creative Computing Using Scratch (Age 8-13yrs):

### IMAGINE- PROGRAM -SHARE

Create fun animated stories and online games while learning programming concepts using Scratch. Using sprites and blocks, this drag-and-drop platform developed by Massachusetts Institute of Technology(MIT) sets a foundation of computational thinking and logical problem solving - important skills in today's tech-driven world.

1 HR/SESSION | 8 SESSIONS/LEVEL | 3 LEVELS



## Electronics (10+yrs):

Experience the fun side of electronics with your favourite gadgets, build simple circuits and learn about electricity, electronics, motors, LEDs, conductors, insulators and lots more!

### **SAMPLE PROJECTS**

LED circuit, Control LED with button/switch, RGB LED circuit  
Series and Parallel circuits, Calibration of LED circuit

**1 HR/SESSION | 8 SESSION / LEVEL | 2 LEVELS**



**MIT**  
**APP INVENTOR**

**MIT APP INVENTOR (age 11+ yrs):**

## LEARN HOW TO BUILD YOUR OWN FULLY FUNCTIONAL ANDROID APPS!

In this online class, you will learn how to develop cool apps and games that use UI controls, animation, sound, and sensors.

## DON'T KNOW ANYTHING ABOUT ANDROID PROGRAMMING? NO WORRIES!

Using the innovative software App Inventor, by MIT Boston, USA , you will learn where to place buttons and text, and how to strategically use multiple screens, programming concepts and terminology and create your very own, original Android apps for use on mobile and tablet devices.

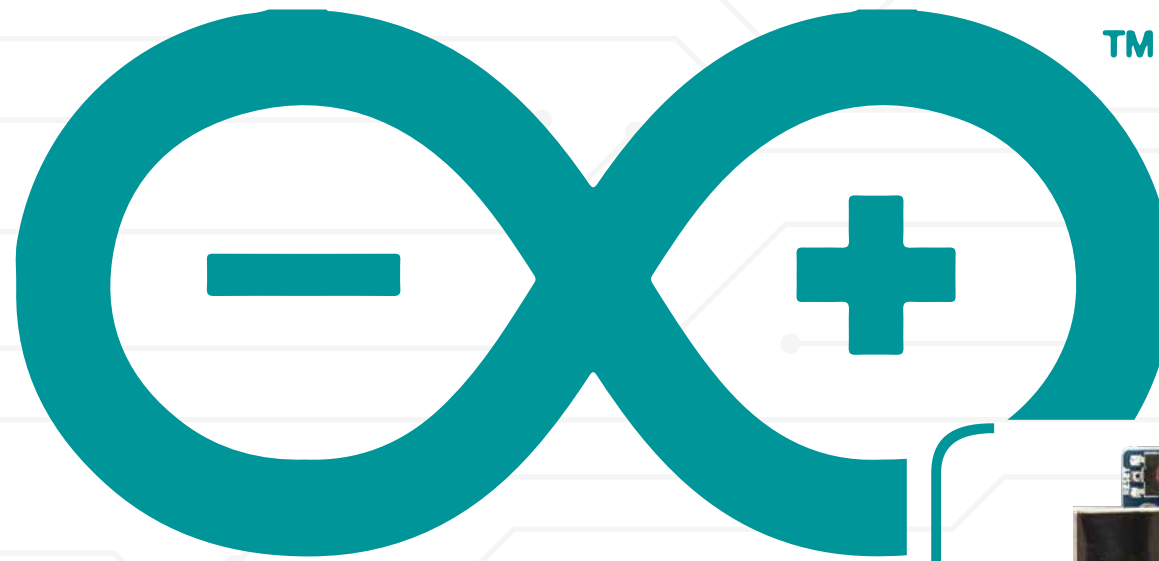
### SAMPLE PROJECTS INCLUDE:

Intro to Android and Hello Coding to Android  
MIT App Inventor Interface, Build your first app, Talk to me  
My Piano App, Paint Pot, Maze Solver

### REQUIREMENTS:

Android Phone, Computer  
Web cam, Internet Connection

**1.5 HR/SESSION | 8 SESSION / LEVEL | 2 LEVELS**



# ARDUINO - CIRCUITS & PROGRAMMING (12+ yrs):



Join the DIY revolution with our Arduino Workshop which introduces kids to Arduino and electronics. Learn how to use Arduino to build games, security systems, musical instruments much more.

Understand what an Arduino is and how it works  
Learn how to use an Arduino Virtual Simulator

Program your Arduino using code that you've written in the Arduino IDE (Integrated Development Environment)

Learn programming concepts using C and C++ along with Arduino specific programming

Understand best practice concepts for programming & prototyping

Use a wide variety of electronic components and prototype your projects using a breadboard

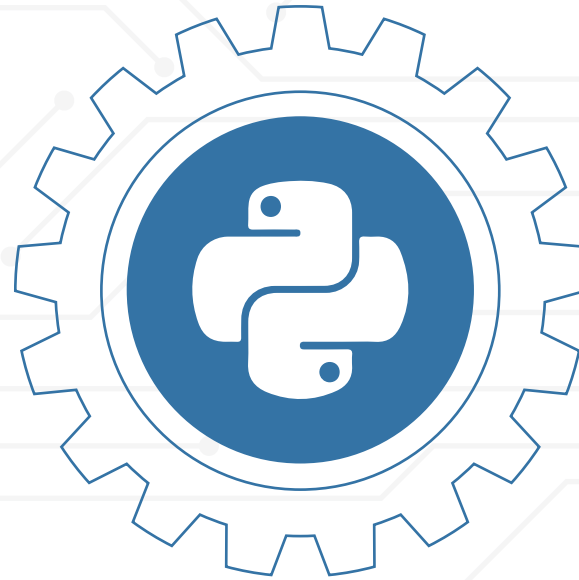
Build your own innovative projects

## SAMPLE PROJECTS INCLUDE:

Blink an LED ,How to On/OFF an LED using Push Button and display in glow LED using Arduino  
Traffic Light at Junction

Manipulating Motors & Control Servo Motor using Potentiometer with Arduino  
Interfacing LCD with Arduino

1.5 HR/SESSION | 8 SESSION / LEVEL | 2 LEVELS



## Python (13+yrs):

Learn how to code in the language that built Google, Dropbox and Instagram! Join PYTHON programming with RoboClub and code like a real programmer with a text based language.

1.5 HR/SESSION | 16 SESSION / LEVEL | 2 LEVELS



## JAVA (13+yrs):

Unlock your inner Coder with our virtual course that teaches you skills to understand, create and debug like a pro.

Learn the skills to become problem solvers and creators with one of the most popular coding languages.

Learn the fundamentals of modern coding including variables, functions, loops and object oriented programming.

1.5 HR/SESSION | 16 SESSION / LEVEL | 2 LEVELS



## COMPUTER BASICS FOR KIDS (10+ YRS):

Get introduced with computer and its functions

Learn main computer terms

Get the understanding of the internet structure and world wide web

Learn basics of the MS office programs- PowerPoint, Word, Excel

Get introduced with AntiVirus programs

Learn how to ensure safety of a computer and store data on it



12 SESSIONS | 1 HR/SESSION

# REQUIREMENTS:

- a. Computer with a working Camera and Mic, headphones are optional.
- b. Software for the relevant program (to be provided by us).
- c. Working internet connection.
- d. Android phone (For MIT app development program).

**PLATFORM: GOOGLE MEETS**

# THANK YOU!

For further details kindly contact:

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To pre-register:

**roboclubteam@gmail.com**

LIMITED  
SEATS...