



SUMMER CAMP
ROBOTICS SENIORS

www.stembyu.com

COURSE INFO

Mode: Online live

Duration: 10 days

Course fee: 5999 /- offer price

Age: 14 to 18

Syllabus: 8 robotics project

Robotics kit: Worth 4500 /-

Coding: Micropython (Scripting)

PROJECTS

Here are some exciting projects that will help your child learn about basic circuits and robotics:

Basic Circuits:

Learn the fundamentals of circuits with the TinkerCad simulator.

Play with RGB LED:

Teach your child how to program RGB LEDs to create a stunning light show.

Artist Robot:

Unleash your child's inner Picasso with our artist robot project. They'll learn how to build and program a robot that can create its art.

Obstacle Avoider Robot using IR Sensor:

This project will teach your child about infrared sensors as they build a robot that can navigate around obstacles on its own.

Autonomous Robot with Ultrasonic Sensor:

Your child will delve deeper into the world of robotics as they build an autonomous robot that uses ultrasonic sensors to navigate its surroundings.

Line Follower Robot:

Challenge your child's problem-solving skills by helping them program a robot to follow a line path.

Edge Avoider Robot:

Your child will learn about edge detection as they build a robot that can avoid falling off edges.

Light Seeking Robot:

In this exciting project, your child will build a robot that can seek out and move toward light sources.

Web controlled Robot

Control the robot wirelessly using a webpage on the same network the robot is connected.