

BOT mania

Imagine it, build it and then control it!

ROBOTICS WORKSHOPS FOR KIDS

Ages: 10-16 years old
Student to Robot Kits Ratio of 2:1



Powered by LEGO MINDSTORMS NXT, kids aged 10-16 years can explore the exciting world of robotics by actually building one on their own! The brain of the robot is an intelligent, computer-controlled LEGO brick that lets the Robot come alive and perform different operations. It has 3 output ports for attaching motors and 4 input ports for attaching sensors. A USB port from this "brain" to the computer allows your computer to program and control the Robot.

The powerful and easy-to-use programming software with intuitive drag and drop programming functionalities helps students collect and analyze data from robot different sensors (light, sound, touch, color, temperature, ultrasonic) and then make decisions accordingly.

The core elements that make up the robot are:

The Programmable Brain

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Sensors

Color, touch, ultrasonic, and sound sensors that will enable your robot to see, distinguish between colors, measure light intensity, feel objects, hear and detect decibels. All these various inputs from the real world will enable your robot to make decisions of how to react to different variables around it.

Servo Motors

Gives your robot the ability to move. Each motor has a built-in Rotation Sensor that lets you control your robot's movement precisely. You can also set different speeds for your motors.

NXT Software

The software lets you to program your robot and upload the programs via USB or Bluetooth. It comes with intuitive drag and drop programming functionalities that help students collect and analyze data from robot different sensors and then make decisions accordingly.

Bot Mania Basic

Offered Throughout the Year
6 Days Course (Mon - Sat)
Ages: 10 - 16 Years

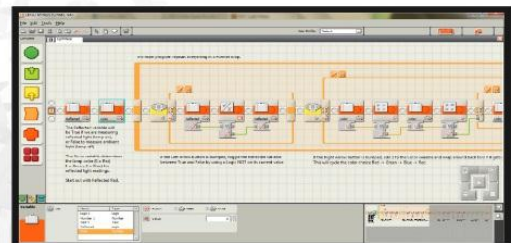


COURSES



Bot Mania Advanced

Pre-requisite: Bot Mania Basic
6 Days Course (Mon - Sat)



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