



Students will code 12 Software Robotics Projects using the Web, Excel, and Word applications by participating in the following activities:

1

#### Web Automation

Student will learn how to create Robot which will play favorite video on youtube.com using **Play Cartoon Robot**.

- ✓ Open Browser Activity
- ✓ Type Into Activity
- ✓ Click Activity
- ✓ Send Hotkey Activity
- ✓ **H/W:** Create a Robot to play a Tom and Jerry cartoon.



4

#### Programming Concepts

Student will learn how to create Robot to perform arithmetic operation on user entered number using **Mathematical Operation Robot**.

- ✓ Assign Activity
- ✓ **H/W:** Create a Robot to perform Addition, Subtraction, Division and Multiplication of numbers 10 and 20.



2

#### Advanced Web Automation

Student will learn how to create Robot to find the capital of any country using **Capital Finder by Country Robot**.

- ✓ Input Dialog Activity
- ✓ Concept of Variable
- ✓ Open Browser Activity
- ✓ Type Into Activity
- ✓ Click Activity
- ✓ Get Text Activity
- ✓ Message Box Activity
- ✓ **H/W:** Create a Robot for Country Finder by its Capital.



5

#### Excel Automation

Student will learn how to create Robot to Copy and Paste Data into excel file using **Excel File Robot**.

- ✓ Excel Application Scope Activity
- ✓ Copy Sheet Activity
- ✓ **H/W:** Create a Robot to copy and paste an animal's information from one excel sheet to another excel sheet.

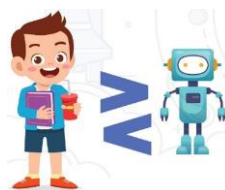


3

#### Control Structure

Student will learn how to create Robot to compare the two numbers entered from user using **Number Comparison Robot**.

- ✓ If Activity
- ✓ The concept of nested If
- ✓ **H/W:** Create a Robot to compare 1001 number with 100000 number and see the comparison result.



6

#### Word Automation

Student will learn how to create Robot to create a word file and insert a text into word file at runtime using **Word Document Creation Robot**.

- ✓ Read Text
- ✓ Write Text Activity
- ✓ Append Text Activity
- ✓ **H/W:** Create a Robot to merge plant information from two-word file to one word file.

