Robotic IoT Vehicle

**Lesson Description**

The Internet has allowed us to connect devices together from one end of the world to the other. In this workshop we made a simple LED circuit connection with the Adafruit Feather Huzzah ESP8266. The ESP8266, is the WiFi board that connects to the internet and sends/receives messages to control the LED lights. Students were introduced to the 4 layers of the internet which involves APIs, TCP/IP, DNS to name a few.

This course is an introduction to Arduino circuit building and programming. The targeted age group for this courses is between 12 to 16 years old students. Students will be learning open sources prototyping of Techtronic’s platform. Students will create interactive electronic objects using Arduino board, micro controllers and so on.

Prerequisite

The student must have completed VEX EDR

Instruction Method

Lectures, Videos, Labs and Discussion.

Schedule

Other Information

**Parts**

**Procedure**

**Video**

**Links to learn more about the topic**

**References**