In this activity, you will attach the two IR sensors on the 2 wheel drive robot to make a follow me robot. You will also learn how to calibrate the IR sensors to detect objects in front of it.

**COMPONENTS**

Assembled 2 Wheel Drive Robot, 2 IR Sensors and Male to Female Jumper Cable.

**STEP-BY-STEP**

1. Fasten two IR sensors at the top of the chassis using 12mm M3 bolts and M3 nuts. That’s it for the assembly.

2. Connect the sensors as following:
   a. VCC of the sensors with 5V on evive.
   b. GND of the sensors with GND on evive.
   c. Signal pin of the left sensor with digital pin 2 on evive.
   d. Signal pin of the right sensor with digital pin 3 on evive.

3. To calibrate sensor, place an object at least 15cm away from the robot.

4. If the signal LED is OFF, the sensor is working properly. Otherwise gently turn the potentiometer with a screwdriver in the anti-clockwise direction such that the LED turns OFF.

5. Similarly, place an object about 5cm from the sensor. If the signal LED is ON, then it is working properly. Otherwise turn the potentiometer in the clockwise direction such that the LED turns ON. And your sensor is calibrated.

6. Connect the left motor in the M1 slot and right motor in the M2 slot. Check the connections by running the motors using menu.