**CSEE5590-0005/490-0005**

**IOT / Robot Programming**

**Lesson Plan #M2L2**

**IDE Download:** [**Click Here**](https://www.arduino.cc/en/Main/Software)

**Lesson Title:** Android app development

# Lesson Description: Android App Development Using MIT App Inventor

# Part - 1: Follow the guidelines in the Lecture. After implementation of lecture application, you are required to customize the application according to the following points.

# Connect any sensor with Arduino.

# Display the results in android app develop using MIT App inventor

# Generate notification for example if you are using temperature sensor, if the temperature hikes above 80F it should generate a notification in the android app.

# Part - 2: Previous class project modifications as follows:

# Connect Arduino to raspberry pie

# Connect humidity sensor to Arduino or any sensor of your choice.

# In place of text message, the Arduino should send the temperature updates every 30 seconds to raspberry pie.

# Sending should be performed using WIFI module ESP8266

# Finally, raspberry pie should tweet the update to twitter and Adafruit IO dashboard.