**Worksheet 10**

**ThingsBoard Tutorial**

**CPSC 3555 - Spring 2018**

Section 1: ThingsBoard is an IoT Platform simulator. You can create devices, such as an arduino, raspberry pi, esp8266, etc and connect these devices to gateways and dashboards for analytics. Today, you should try to use ThingsBoard to create a sample device and dashboard. You can find a getting started guide here with a hello-world example.

<https://thingsboard.io/docs/getting-started-guides/what-is-thingsboard/>

There are also video guides on youtube. Here is a link: <https://thingsboard.io/docs/iot-video-tutorials/>

You can use the live demo version online or install a local version on your machine. You will have to install the MQTT server as described. If you read carefully it will explain which scripts to run.

Once you’ve completed your dashboard, write a short description of what you created, take screenshots and upload them to CougarView.

In this virtual dashboard I tried to simulate my final project by creating a gateway and a fire detecting device. With these two devices I tweaked around with the different options the program allowed me to see what each thing does.

