G54MRT Coursework 2 Proposal

# Title:

Student ID: 4338557  
Date: 21 Feb 2019

# Summary

Security Devices for detecting if the door is open or not, and if there is someone getting into the room.

# Technologies and sensor data

*Tilt sensor fixed in the door; PIR sensor for detecting persons; Ultrasonic sensor for detecting if there is someone get through the door.*

# Project plan

*Week1-2: reading background papers, programming, emulating.*

*Week3: Collecting data in the lab, and test the codes.*

*Week4-5: Classification of the data and clear it.*

*Week6-7: Test it and Modification.*

# Skills and competencies

I l*earnt a bit of Python before/*