



# MAIDS



## Meis Alarm Intrusion Detection System

Claudio F. Meis – N00674230 - Humber College – Computer Engineering Program – CENG355 – April 2020

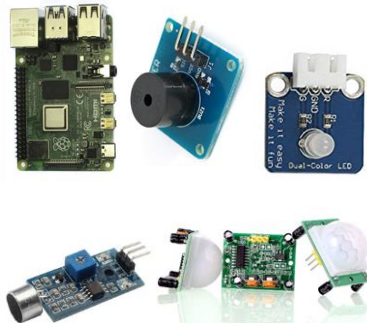
### INTRODUCTION

Break-ins occur every 90 seconds in Canada!



**MAIDSS (Meis Alarm Intrusion Detection System)** is a real-world IoT distributed system alarm project providing multi-channel alerts and remote Android application control during an intrusion event.

### RESOURCES

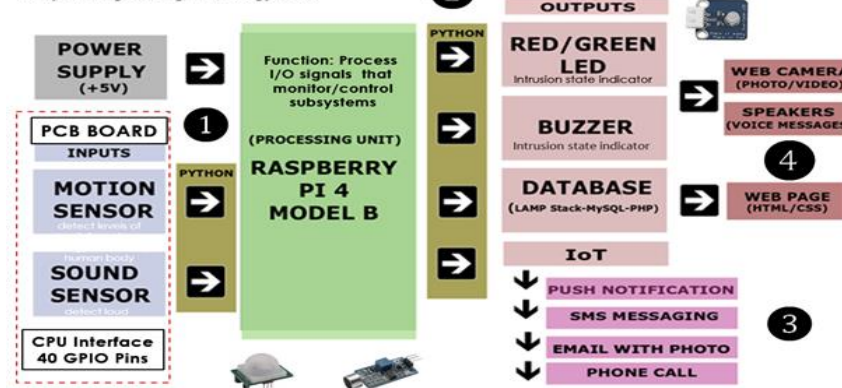


HC Prototyping Lab

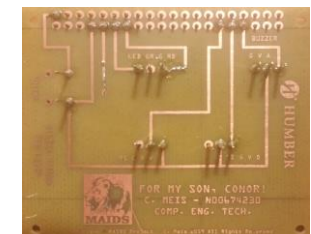
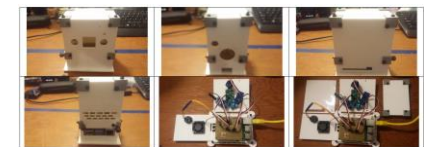
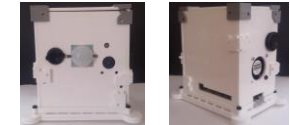
### ELECTRONICS & FIRMWARE INTERACTION

#### MAIDS BLOCK DIAGRAM

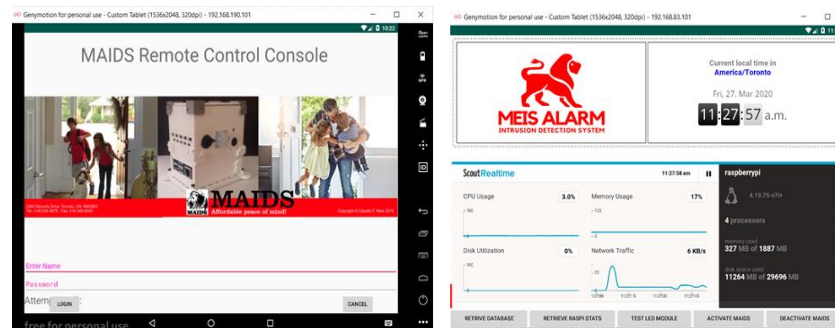
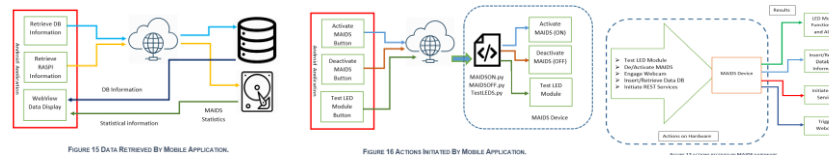
Claudio F. Meis - N00674230  
CENG317-355 - Humber College  
Computer Engineering Technology 2019



### ENCLOSURE & PCB



### MOBILE APPLICATION AND DATABASE



### CONCLUSIONS

- Surveillance Capabilities
- Multi-channel Alerts
- Motion & Sound Detection
- Visual Capabilities
- Signal Processing Circuitry
- Android Tablet Remote Control
- Secure Interaction (SSH)
- Web-Based Intrusion Database

Reference: MAIDS Capstone Project Report

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