CPE 556 Final Project

Language: python 3

OS: Ubuntu Mate and Raspbian

Device: Raspberry pi and Raspberry pi zero

Files:

Came.py—motion detection using openCV

Led.py—blink led

Mail.py—send email

Project.py—main program that integrating everything other than led.py and showtime.py

Ranger.py—range finder

Showtime.py—led display

Uart\_test.py—testing uart port to send/receive signal from another Raspberry pi.

Combine.py—voice to text/text to voice using google AIY voice kit. Need to run at a manufacture Raspbian version along with google AIY voice kit.

To run the file:

In terminal, type “python ” follows by the name of the file, then press enter to run the program.

Note: