UNLV **UNIVERSITY OF NEVADA, LAS VEGAS**

Class:	EE498 Senior Design II	Semester:	Spring 2020

Group members:	Project topic:	*Keyless-Entry Door Using Facial Recognition*
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	Document:	EE498 Semester Timeline

Timeline

Week	Actions planned
#3 (Jan.29-Feb.4)	▪ Submit components list and Spring timeline by February 2nd ▪ Work a full schematic using a CAD this is due February 16th ▪ Work on progress that is due February 23rd ▪ Power the circuit board using voltage regulators and AC/DC adapter (replace laboratory PSU)
#4 (Feb.5-Feb.11)	▪ Work a full schematic using a CAD this is due February 16th ▪ Work on progress that is due February 23rd ▪ Start adding to the RPi's program to support UART full-duplex communication ▪ Implement Facial Recognition on the RPi
#5 (Feb.12-Feb.18)	▪ Work a full schematic using a CAD this is due February 16th ▪ Work on progress that is due February 23rd ▪ RPi should be able to control the motor and retrieves acceleration values from MPU6050 ▪ Link the Facial Recognition with the main program on the RPi
#6 (Feb.19-Feb.25)	▪ Work on progress that is due February 23rd ▪ Start to research about laying out a PCB ▪ Begin building a small door for the device
#7 (Feb.26-Mar.4)	▪ Demonstrate a working breadboard prototype ▪ Work on laying out the PCB ▪ Work on constructing the door
#8 (Mar.5-Mar.11)	▪ Work on laying out the PCB ▪ Work on constructing the door
#9 (Mar.12-Mar.18)	▪ Work on laying out the PCB ▪ Work on constructing the door
#10 (Mar.19-Mar.25)	▪ Demonstrate the PCB layout

#11 (Mar.26-Apr.1)	▪ Send PCB out for fabrication ▪ Work on final report ▪ Work on movie
#12 (Apr.2-Apr.8)	▪ Assemble the PCB (continue to work on it as needed) ▪ Register for "How to Effectively Create Research Posters" workshop
#13 (Apr.9-Apr.15)	▪ Attend "How to Effectively Create Research Posters" workshop ▪ Start work on the poster
#14 (Apr.16-Apr.22)	▪ Work on poster ▪ Work on final report ▪ Work on movie ▪ Work on powerpoint presentation
#15 (Apr.23-Apr.29)	▪ Demonstrate assembled PCB to the instructor ▪ Submit the poster for confirmation ▪ Work on powerpoint presentation ▪ **Prepare for Senior Design Competition on 5/8**
#16 (Apr.30-May.6)	▪ Submit the poster to be printed ▪ Work on final report ▪ Work on movie ▪ **Senior Design Competition on 5/8**