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| **Class:** | EE498 Senior Design II | | | **Semester:** | Spring 2020 |
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| **Group members:** |  | **Project topic:** | *Keyless-Entry Door Using Facial Recognition* | | |
| *Adrian Ruiz*  *Bryan Takemoto* |  | | | |
| **Document:** | EE498 Semester Timeline | | |

**Timeline**

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| **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** |