**6. Lifelong Learning**

6.1 Software

The most useful course was undoubtingly EECE 259 where we learned everything about microcomputers knowledge that we needed for this project.

We spent most of our time and effort into integrating all the functions into one state-machine. The challenge was lack of experience and knowledge for managing complex software systems.

In order to overcome the problem, we learned to use GitHub where we could easily keep track of everyone’s work. We created a header file for each code file, defining its purpose, and its use of variables and registers. Additionally, we referenced the lecture notes which describe to write codes for a state machine. From this, we became more efficient programmers.

6.2 Hardware

EECE 251 was very helpful because we gained an experience with soldering chips on the circuit board and we learned how to check the connection of soldered iron by using the voltmeter. Moreover, for EECE 251 labs, we already designed and built an amplifier and a BJT circuit which were the major part of the hardware.

6.3 Management

The group consisted of six people and each member’s task was very technical. In order to succeed as a group, we spent time creating a schedule and dividing our workload appropriately. Our group focus was time management. We knew in order to finish the project it would require a lot of our time but at the same time, we had other courses to keep up with. Also, we wanted to finish the project at least three days before the deadline. After we were aware of what our goals were, it was easy to be committed in order to reach our goal. We learned to manage our task appropriately to our conditions.