Experiment 8 Documentation

In this experiment we were first developing the system by ourselves and then later performing a modchip attack by using the ground pins at last.

The instruments required were:

1. Circuit Board
2. The USB cable
3. Wires and Computer

Software’s required

1. Microchip Studio : Is to design the .hex file which can later be used in Atmel flip.
2. Atmel Flip : which can load the .hex file into microcontroller
3. FPGA: to check and run it through the .fs file (probably)

To start off the project, I downloaded the files from HaHav3\_helpful\_codes.zip from the website and used files under uc\_mega. After that went to XMega Microcontroller Guide to create the Microchip Studio project. After creating the microchip studio project successfully, I made edits to the code as given in the Appendix. After all the debugging was done, I built the project which successfully helped me produce the .hex file needed for the Atmel Flip.

After the .hex file was created, I opened up Atmel flip to load the .hex file into it.

A screenshot of a computer

Description automatically generated

The next process was to open FPGA and run the file. I got confused in how to work in FPGA such that we can implement the logic and create the .fs file which will run and then we could successfully do this modchip attack.

The PowerPoint presentation lacked information on how to do the next steps properly. I got some idea from the video in the website was but was really confusing.