



ECE3520 Lab Session 7:

Blinking LEDs

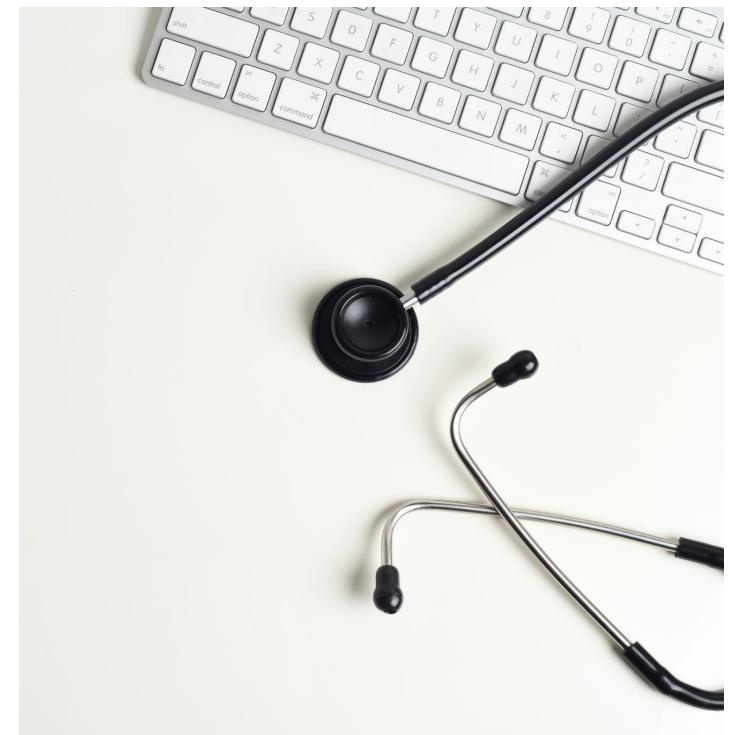
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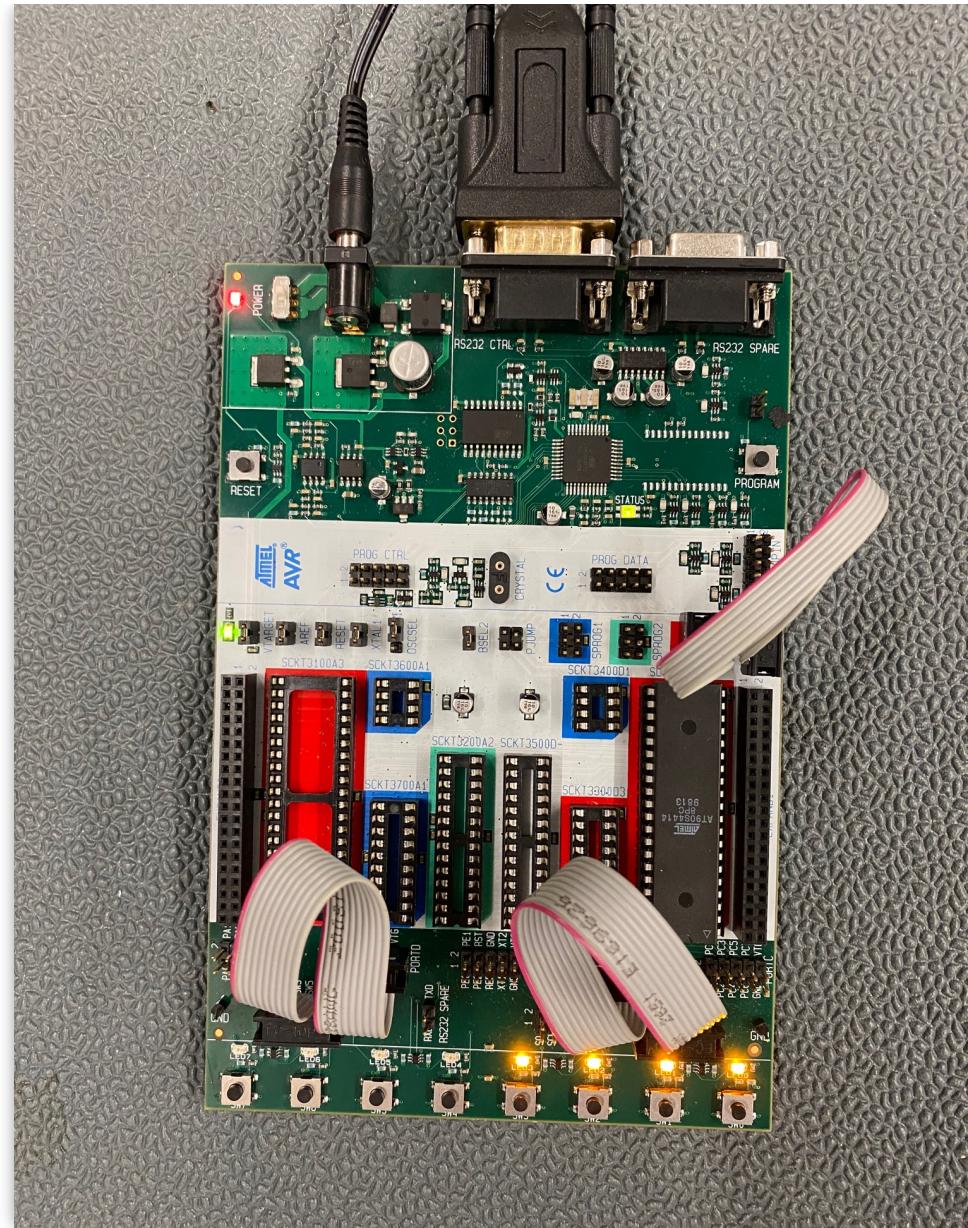
Step1: Lab Preparation

- Write a C program for STK500
 - blinks four left (LED7-4) and four right (LED3-0) LEDs of STK500 alternately at 0.5 seconds interval
- Use four different approaches learned in the class
 - a. By executing useless but harmless C instructions.
 - b. By executing assembly instruction (nop).
 - c. By using delay_basic library routines in AVR C.
 - d. By using delay library routines in AVR C.



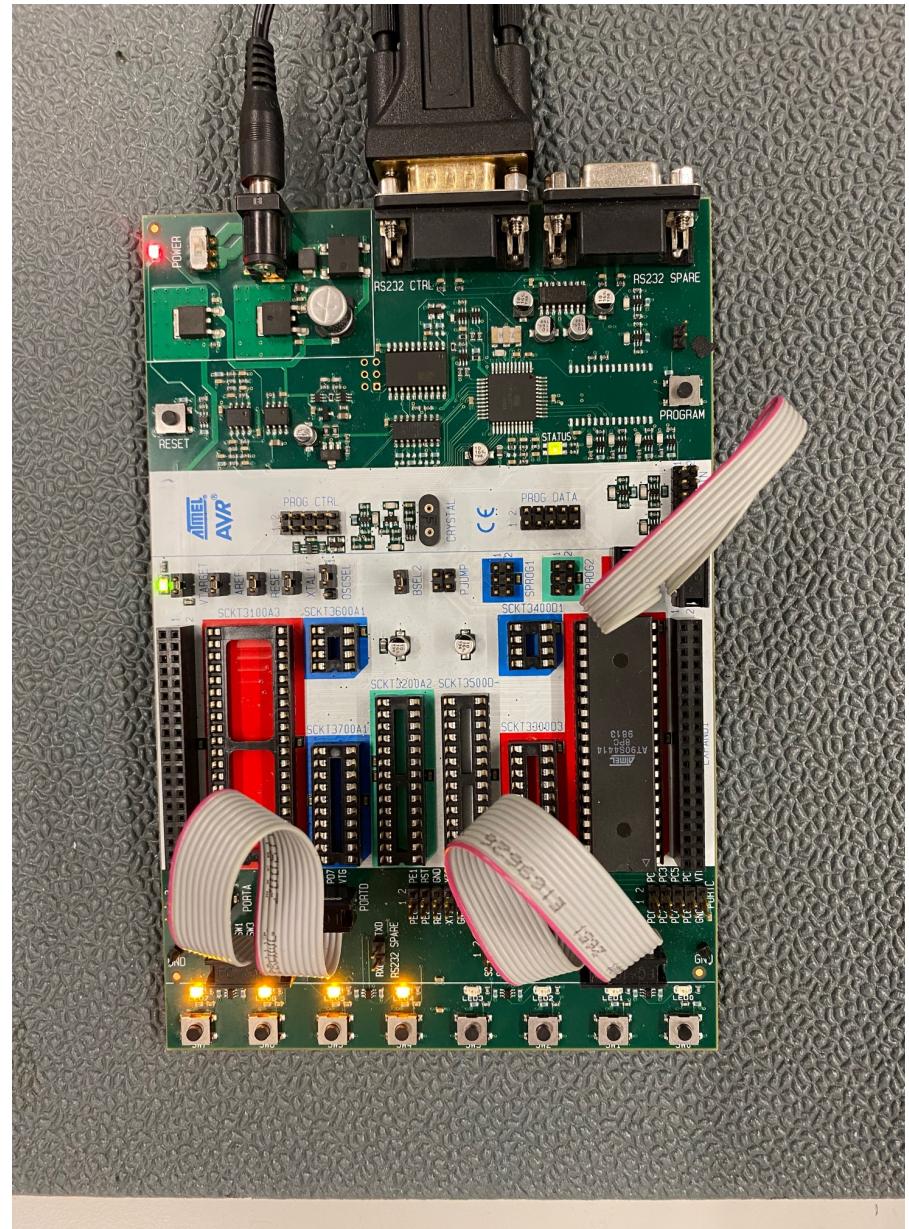
Step2: Configure Experiment

- Set up the STK500 board as in Experiment 4
- Write program for AT90S4414 using C language
- Download the Hex file onto board after compiling your C code



Step3: Test and Observe

- Test if your program works correctly



Step4: Demo Video

- Please reference the video after you finished the experiment.

