

EE 480

PROJECT 2 - REMOTE CONTROL OF THE RPI

Note: Projects must be completed individually. Plagiarism will result in receiving no credit for the assignment. Due date for this project can be found on the course website schedule. Use the upload form link on the course website schedule to submit this project.

The project focuses on remote control of the RPi.

Using a SSH client such as PUTTY, remotely connect to your RPi. Once you have connected, move into your “Projects” directory (Created in HW2). Next, create a shell script (Shell scripting tutorial: <https://www.shellscript.sh>) that flashes both ACT and PWR LEDs in an alternating pattern using any frequency. Name your script *blinkers.sh*. Open and edit the shell script using the Nano text editor. Make sure to set the file permissions for *blinkers.sh* to executable (+x) before running the script.

Deliverables (in a single text document):

1. Screenshot of your remote computer connected to your RPi using SSH.
 2. Source code for your *blinkers.sh* script.
 3. Short video of your RPi blinking the LEDs based on your *blinkers.sh* script.
 4. Describe your approach to this project. List any problems that you’ve encountered and how you overcame these issues.
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