

SOFE4610 – Assignment 3

20 marks

Grading Guide:

Assignments are to be done in the assignment groups defined in Canvas. All students will get the same grade, unless there is evidence that particular students have not contributed to the assignment.

Submission Instructions

Do all your work in a GitHub repository and submit the link in the Canvas repository.

1. In the course notes a design approach was presented for IoT software systems that was developed leveraging the Django framework. The example presented was a home automation system. Some partial code was presented in the course notes. Implemented the example using the hardware kits from the course. For the light use an LED and for detecting the light intensity you can use the Photoresistor sensor. You can decide if you want to use a Pi or Arduino as the sensor device.