

Laboratory Journal

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Monday, September 14, 2020

1 Meeting minutes

Today, in the meeting with Dr. Miah, we kicked off the project involving development of a building energy management platform. A github repository was created for the project which will also be paired with a corresponding Google Drive titled "seniorProject1-2020-21-Docs". On Tuesdays and Thursdays we will have lab time from 9am to 12pm and weekly meetings with the advisor will occur from 4pm to 5pm on Mondays this semester. The lab times are devoted specifically for work rather than research or documentation. Before coming to lab, work must be cut out for both of us.

2 Homework

Brian - This document was created and pushed to the Github repository for both of us to use. For better portability, one of the laptops previously used for research on this project was wiped clean and lubuntu ¹ was installed. As of now, most of the code developed for the platform during research was done on a desktop PC dual-booted with Ubuntu Linux and Windows 10. To be able to move between lab and home easily, a more ideal situation is to use a dedicated laptop with Linux installed. Because the USB drive used to install linux was previously formatted with Ubuntu 18.04, the diskpart utility was used on Windows with the following commands ²

```
select disk 1
clean
create partition primary
format quick
```

The Startup Disk Creator GUI program on Linux was utilized to flash the lubuntu 64-bit desktop iso file on to the USB thumb drive. The commands `sudo apt-get update` and `sudo apt-get upgrade` were run on the laptop. Lastly, `sudo apt-get install git` was used to install git. Another package installed was `texlive-full` to compile latex with all the necessary packages.

¹<https://lubuntu.net/downloads/>

²<https://instructables.com/id/How-to-format-your-SD-card-back-to-the-original-si/>

Bibliography