Date: 1/17/2022
Time: 6:00 PM PST

1. **Meeting goals:**
    - Kick-off
    - Clarification for this capstone
    - Potential questions
2. **Questions:**

    Project-related questions:
    - Starting point => general introduction
        - Prof Yu gave us an overview of this project.
    - Narrow down the title?
        - Per prof Yu, there is no need to narrow down the title
    - Data science or computer science project? How to make it more data science?
        - This is a data science project. It's hard to differentiate data science from computer science.
    - One of three approaches? Or three steps in one approach?
        - Typo from a template, it should be all of these three steps.
    - How big will the dataset be that can better fit the needs?
        - It depends.
    - Can we use the dataset for PEM and Air Quality, which are shared in personal google drive? Need consent?
        - Yes, we can. No consent is needed as these datasets are from prof Yu's students.
    - Any papers or materials prof Yu would like to share to help us better understand the project?
        - Open Graph Benchmark: https://arxiv.org/pdf/2005.00687.pdf
    - Supervised/unsupervised learning?
        - Does data have to be labeled or do we need to create our own?
    - For the leaderboard, is it similar to the leaderboard on the open graph benchmark?
        - Yes
    - Clarification of "Dataset class" under Project Tasks
    - Are we mainly creating infrastructure, or would it be possible for us to experiment with different learning models?
        - Create infrastructure and experiment with different deep learning models.

    Arrangement-related questions:
    - Recurring meeting date and time?
        - Done. On Monday, can be flexible.

3. **Background Materials**

    Capstone:
    https://docs.google.com/document/d/1CinAezZhex_NNRVi3EgDTkOjHzfUTHKRpZ1F_oAkpRI/edit?usp=sharing

Deep learning lectures: https://sites.google.com/view/cse151b

Dive deep into Deep Learning: https://d2l.ai/

- Section 1- 4, 14 and 15
- Use Pytorch

Writing template:

https://www.overleaf.com/latex/templates/neurips-2021/bfjnthbqvhgs

Github: https://github.com/Rose-STL-Lab/torchTS

Pytorch: https://pytorch.org/tutorials/beginner/data_loading_tutorial.html

Other: https://overleaf.com/

http://yann.lecun.com/exdb/mnist/

4. **Action:**
   - Create a timeline for the task and assignment
   - Finish the report 1
   - Learn all materials and prepare for the next meeting. Prof Yu will ask us questions related to deep learning.