

EE/CprE/SE 4920 WEEKLY REPORT 1

Aug 29 - Sept 5

Group number: 20

Project title: GridGPT

Client &/Advisor: Gelli Ravikumar

Team Members/Role:

- **Tin Ngo -> AI Integration Specialist**
- **Jackson Phillips -> AI Integration Specialist**
- **Emma Heithoff -> Power Systems Specialist**
- **Eddy Andrade -> Frontend Lead**
- **Nick Doty -> Power Systems Specialist**

○ Weekly Summary

The team came together and recapped what happened in 491. We gained a shared understanding and made plans for how we can all work together and move forward. We all got started on our work.

○ Past week accomplishments

- Tin Ngo: Started on working with setting up the backend to use OpenAI API.
- Jackson Phillips: Met with the rest of the team to get caught up on where we are at in the project and made plans for the rest of the semester.
- Emma Heithoff: Reviewed and then better understood how to create wide ranging dataset for grid models with different configurations of equipment and power system values.
- Eddy Andrade: Met up with the team again and reviewed everything we understand so far on our project. Discussed more to gain a better understanding on what we are implementing.
- Nick Doty: Reviewed past semester and made sure everyone was on the same page on what the project is going to be when finalized and what needs to be done to accomplish that.
- Shared: We came together and recapped for what happened in 491. We gained a shared

understanding and made plans for how we can all work together and move forward

○ **Pending issues**

- Tin Ngo: N/A
- Jackson Phillips: I still need access to the HPC cluster and our VM.
- Emma Heithoff: I need to ask questions to our advisor from the beginning of the semester (meeting next Monday) in order to form a foundation to implement my research.
- Eddy Andrade: Waiting for our Virtual Machines to be cloned to begin implementing Frontend components.
- Nick Doty: Talk with professor to form foundation for DSS implementation

○ **Individual contributions**

<u>NAME</u>	<u>Individual Contributions</u> <i>(Quick list of contributions. This should be short.)</i>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Tin Ngo	Met with group, start on API.	6	79
Jackson Phillips	Met with group	6	69
Emma Heithoff	Met with group, forming questions for client	6	61
Eddy Andrade	Met with group	6	66
Nick Doty	Met with group	6	66

○ **Plans for the upcoming week**

- Tin Ngo: Finish up the implementation for using the OpenAI API
- Jackson Phillips: I would like to get HPC + VM access and start getting hands-on practice with training.
- Emma Heithoff: I want to start process of creating a wide ranging dataset with Nick and show

Professor Gelli my process/questions to see if it is on track.

- Eddy Andrade: I would like to get VM access to begin working on Frontend
- Nick Doty: Talk with professor to form foundation for DSS implementation

○ **Summary of weekly advisor meeting**

We have not met with our advisor yet (due to Labor Day), but we have a meeting scheduled with him on Monday, 9/9/24.