



Report Period: Oct 10th - 16th

Team Name: GridAI (sdmay23-38)

Senior Design Weekly Status Report; Fall 2022



Members

- Joshua Clinton
- Tanay Parik
- Elvis Kimara
- Rolf Anderson
- Ryan Herren



Summary of Progress

This week, we met in person to discuss ideas and collaborate on potential upgrades and improvements to make to the project. We investigated existing implementations of similar tools and how the project is currently structured.

We accomplished the following last week:

- Made slides and each of us presented what we learned from the project
- Accessed main Ubuntu VM



Pending Issues

- ☐ Whole team accesses, plus sets up VMs and GCP
- ☐ Make a flowchart of how Virtual Assistant intakes information and interacts with front/backend
- ☐ Make a flowchart of how frontend components interact with DB and what needs to be added/changed to implement ML in the frontend
- ☐ Make flowcharts of how the whole project works
- ☐ Migrate GCP Environments to our current gitlab <- IMPORTANT
- ☐ Add more filtering/sorting information to the front end

✓ Plans for Next week (tag name, by when time)

1. Set up working environment with VM and GCP access



Contributions (tag name)

1. Joshua Clinton
 - Presented slides on Front end
2. Ryan Herren
 - Presented slides on Machine Learning
3. Tanay Parik
 - Presented slides on Machine Learning and database
4. Rolf Anderson
 - Presented slides on the front end aspects
5. Elvis kimara
 - Presented slides on Virtual Assistant



Notes:

Need to access VMs and learn how to use it - QGIS

Dive in to Front End

Implement reinforcement learning, test ML with new data sets

On VM datasets

C:/Program Files/OpenDSS/Grid AI/GIS-Project-forIAState-v3/GIS_Data

Powercybertestbed.ece.iastate.edu

Username: sdmay23-38@powercybertestbed.org

PW: sdmay23-38GridAI