

Senior Project Weekly Logs

Name: Emine Fidan

Week 1 (Sep 15 – Sep 21)

We began discussing the senior project as a group this week. We made a list of every potential project concept.

Week 2 (Sep 22 – Sep 28)

We had a few sessions this week so that everyone in the group could discuss their project ideas and we could assess them all. At that point, we chose the subject of our project.

Week 3 (Sep 29 – Oct 5)

In order to finalize certain project specs and assign tasks for the upcoming week, we had a few meetings.

Week 4 (Oct 6 – Oct 12)

We started to write the project specification document, and I wrote part 1.1 and 1.2.

Week 5 (Oct 13 – Oct 19)

We had meetings with our supervisor and innovation expert this week, so we focused on presenting our project to them.

Week 6 (Oct 20 – Oct 26)

I created a spreadsheet and compiled about 15 research papers there that could guide our trend analysis project.

Week 7 (Oct 27 – Nov 2)

We had our first progress meeting and got some feedback on narrowing the scope of our project. I revised the parts that I wrote in the project specifications document, considering the feedback from course instructors, as well as our supervisor and innovation expert.

Week 8 (Nov 3 – Nov 9)

We began writing the analysis and requirements report. I contributed parts 1, 2, and 3.1.

Week 9 (Nov 10 – Nov 16)

We continued working on the analysis and requirements report. I continued researching papers on the applications of NLP+GNN in trend analysis.

Week 10 (Nov 17 – Nov 23)

I did sentiment analysis on large news datasets using LLMs and processed the articles.

Week 11 (Nov 24 – Nov 30)

We held our second progress meeting and revised the analysis and requirements report in accordance with feedback from our course instructor. I implemented code that builds graphs using processed news data.

Week 12 (Dec 1 – Dec 7)

We had our third progress meeting to get information about the demo and presentation. I implemented code that trains a Temporal Graph Network using the graph.

Week 13 (Dec 8 – Dec 14)

I obtained some results using benchmarks on the trained Temporal Graph Network.

Week 14 (Dec 15 – Dec 21)

We prepared an end-of-semester presentation and demo.