**Q: Executive Summary (Group)**: A brief overview of what has been accomplished this week.

A:

1. We set weekly meeting times with our mentors every Wednesday at 9:30 a.m. EST

2. Members took the LLM course on Coursera to get familiar with basic ideas

3. Members and mentors met during the first meeting to do self-introductions and get to know each other’s backgrounds, how much we know about LLM, and what we have done on related topics in the past

4. Members were showcased by the mentors on the background and goals of the project and knew what key deliverables were expected in order to unlock valuable insights about the Oil and Gas industry, leveraging the power of AI for data extraction, summarization, and question-answering by the end of the semester

**Q: Challenges and Roadblocks (Group)**: Enumerate any obstacles faced and how they were managed or are planned to be managed.

A:

Members only had hands-on experience with GPT-4 before. Since it is not open-source, further investigation of open-source LLMs and their utilizations is needed.

**Q: Next Steps (Group)**: Outline the plan for the upcoming week.

A:

1. Each of us is going to conduct research on some specific part of the project:

Yi Lu: research and finalize GPU infrastructure, research and finalize UI.

Yanni: research and finalize on Vector Database.

Alisa: research and finalize the LLM, Study on FAISS nearest neighbor algorithms. Jasper: research and develop on Langchain to process documents.

Michell: research and figure out KPIs to measure company and company vs. competitors, GitHub account creation, and structure.

2. Find the 10 target companies' annual reports for the past 5 years for summarization and Q&A bot

3. Deliver an experimental summarization model and Q&A bot

**Q: Executive Summary (Individual)**: A brief overview (one or two sentences) of what has been accomplished this week. Group coordinators collect and report the progress made by individual team members.

For instance:

**Ju-Chin Chao (JC5859)**: Implemented the ResNet108 experiment, achieving 86% accuracy on the ImageNet dataset. Contributed 200 words to the experiment section of the academic paper.

**Ethan Tao (ET1234)**: Surveyed three academic papers and discussed findings with the team.

A: Since this is the first week, we are still in the stage of getting familiar with our project. All of us took the LLM course on Coursera and read research papers about LLM. We as a team met with the mentors from India.