

Tasks accomplished:

1. Introduction to faculty advisor
2. Meeting with Collins Aerospace
3. Setting up dedicated Server and Database
4. Setting up JIRA atlassian
5. Getting to know outsource resources helpful to the project development
6. Completed required legal paperwork
7. Decided technical roles for our team
8. Set up team communication

Task details:

Introduction to faculty advisor:

Our team scheduled an appointment with Dr. Namrata. During this meeting we made our introductions and described the project to her. Dr. Namrata advised that we attend her EE 425X class. This class covers machine learning which Ryan and Jack are currently attending.

Meeting with Collins Aerospace:

We set up a meeting with Jason Wong, Collins Aerospace representative, at Ames and met with our team on Feb 4th. The project was explained to our team and we began to plan how the semester will go. We decided that we would use an agile approach with 2 week sprints. At the end of each sprint, Jason will meet again and we will demo our progress. Python was determined to be the backend language to use due to the extensive ML and AI libraries. We then discussed basic use cases and actors for the final deliverables. Finally, Jason provided us with mock data for us to begin to review and comprehend.

Setting up dedicated Server and Database

Apurva requested a dedicated server and database to ETG. Apurva later on configured the server and the database. Following is the link to the website:
<http://sddec2019-caairat.ece.iastate.edu/>

Setting up JIRA atlassian

Our team decided to work with professional agile development application. So, we decided to use JIRA. Apurva Installed Jira application on the server, and could be found at:

<http://sddec2019-caairat.ece.iastate.edu:8080/secure/Dashboard.jspa>

Apurva, later on configured the JIRA, made an account for each of the team member. We will be using the software for creating sprint boards and issues.

Outsource Resources

Team members attended python development club, which focuses on Machine Learning and Techniques. Moreover, Ryan and Jack are attending faculty advisor's class EE 425X, in order to help the team to understand the concepts related to the projects.

Legal Documentation

Our team completed all legal documentation required for the project development. Our team handed the document to the professor.

Decided Technical Roles for our Team

During our meeting with Jason Wong, he recommended that we come up with technical roles specific to our project. The roles he recommended were Scrum Master, Requirement Lead, AI Training Lead, and UI lead. In our weekly team meeting we decided our roles as the following:

Ryan: Scrum Master

Jack: Requirement Lead

Apurva: AI Training Lead

Takao: UI Lead

Set Up Team Communication

We discussed our preferred methods of communication and decided on slack. A slack workspace was set up and channels are being created as necessary.

Future goals:

1. Learn word2Vec, Words Movers Distance, GloVe algorithm
2. Research on any other algorithm that could be helpful
3. Provide essential python training to teammates
4. Decide on front-end requirements
5. Provide information to faculty advisor
6. Work on Use-Case Diagram

