Project Diary - Group 16

CS7CS3 - Advanced Software Engineering

Project Name:

Response to City Disaster

TANAY DARDA

SHAUNAK PEDGAONKAR

ASHIQUR RAHMAN HABEEB RAHUMAN

WEEK 1 (19/02 – 22/02)

PROGRESS	TASK MANAGED
Started to rework upon the new functional and technical architecture committed and proposed the update plan respectively.	Redo all necessary cloud integration and Django framework independent from the previous group design.

WEEK 2 - (26/02 – 01/02)

PROGRESS	TASK MANAGED
Distributed the task among the team . making a pair for each generalizable problem and a few individual components each.	● Ashiqur: Took the task over implementing the automatic disaster response generalizable problem. Figured out a general skeleton of the codebase and logics according to the response system and terrain. ● Tanay: Did brainstorming to select the correct Cloud services module.Configured Django framework and Mysql database to support System's architecture ● Shaunak: Began refining the Admin Web Page UI logic for real-time update and dynamic interactions.

WEEK 3 - (19/02 – 22/02)

PROGRESS	TASK MANAGED
Continued to work upon the previous week assigned tasks.Started to incorporate the Cloud components(AWS)	● Tanay led the integration of AWS EC2 service for backend processes. ● Shaunak began to work upon setting up the initial framework for the re routing logic ● Ashiqur continued to work on the Disaster system algorithm.

WEEK 4 - (11/03 – 14/03)

PROGRESS	TASK MANAGED
Started to integrate to display the active incidents on the map module from incident reports.	● Tanay and Shaunak: Developed the front-end logic for displaying the active incidents. ● Ashiqur: Worked on refining data ingestion pipeline to include additional sources such as, weather updates and emergency service data.

WEEK 5 - (18/03 – 21/03)

PROGRESS	TASK MANAGED
Initial version of the disaster prediction system was completed and was searching for other sources to fetch real-time data.	● Ashiq: Worked on improvising the system to handle real-time data to detect possible incidents. ● Tanay: Focused on integrating predictive analysis with the backend. ● Shaunak:Worked upon refining rerouting algorithms to ensure a useful guide of way for the users during disasters.

WEEK 6 - (25/03 – 28/03)

PROGRESS	TASK MANAGED
Conducted a comprehensive testing of the entire system to focus on response time,focusing on usability and accuracy to the features.	All the members took time to participate in the testing and debugging process.

WEEK 7 - (1/04 – 04/04)

PROGRESS	TASK MANAGED
Development of another generalizable problem.	All the team members brainstormed upon developing a user friendly chatbot for the user webpage for ease of access of any precautionary measures or guiding them how to use the inter web page features.Shaunak started to look for any pre trained model as an intent to start training it upon the custom disaster oriented intents for the bot to function.

WEEK 8 - (8/04 – 11/04)

PROGRESS	TASK MANAGED
Focused on integrating all components in the main system architecture and looking for any changes to be	● Ashiqur: Decided upon the location to view the Automatic disaster system to be shown in the website.Configured the MySQL database and insert query to send the returned data to the database.

done accordingly.Worked on the deployment of the website online through Nginx and EC2 hosting.	● Shaunak: Continued to work on the chatbot functionality and a basic version of it was completed. ● Tanay: Worked upon configuration and deployment of the system.