PROJECT PLAN DOCUMENT

Project number	18
Project Title	Web based GUI
Document	Project Plan
Creation date	16-02-2023
Created By	Jahnavi Voruganti - 2021101046 Kunkulagunta Anupama - 2021101087 Mayank Goel - 2021113011 Radhikesh Agrawal - 2021113013
Client	Suraj Bonagiri - Arka Aerospace

Brief problem statement:

Further development of a web-based GUI to interact with drone(s). Designing a minimal and customised dashboard that can visualize flight data (trajectory, altitude) of drone(s) and other user-specific data. Deployment and integration with actual drone hardware.

Team Members:

Jahnavi Voruganti - 2021101046
Kunkulagunta Anupama - 2021101087
Mayank Goel - 2021113011
Radhikesh Agrawal - 2021113013

Team Communication:

Team and client meet at CIE every Tuesday at 7:00pm.

Any additional information/ exchange occurs on a WhatsApp group chat.

Task management/collaboration on Taskade.

Development Environment:

VSCode

MQTT

OpenLayers

ReactJS

Bootstrap/Tailwind CSS

Milestone Schedule:

Milestone	Due Date	Release	Deliverable?
Create Project Concept Document	27-01-2023	R1	Yes
Create draft requirements	02-02-2023	R1	No
Create Version 1 of Software Requirement Document	10-02-2023	R1	Yes
Create Project Plan	16-02-2023	R1	Yes
Create version 1 of Backlog document	20-02-2023	R1	Yes
Create Version 2 of SRS	20-02-2023	R1	Yes
Change layout of website	21-02-2023	R1	Yes

Add login/registration page	21-02-2023	R1	Yes
Create Design Document version 1	27-02-2023	R1	Yes
Represent trajectories based on source and destination using polyline and simulated drone(s) data	28-02-2023	R1	Yes
Create backlog document version 2	13-03-2023	R2	Yes
Create Design Document version 2	20-03-2023	R2	Yes
Create backend database for user information	21-03-2021	R2	No
Create user-specific dashboards	21-03-2023	R2	Yes
Simulate and represent health/payload data from drones	14-04-2023	R2	Yes
Collect drone(s) data via MAVLINK and upload to cloud	17-04-2023	R2	No
Host website on AWS	21-04-2023	R2	No
Upload mission to hardware	21-04-2023	R2	No