

Project Synopsis/Project Concept Document

Project number	18
Project Title	Web Based GUI
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Created By	Anupama Kunkulagunta (2021101087) Jahnavi Voruganti (2021101046) Mayank Goel (2021113011) Radhikesh Agrawal (2021113013)
Client	Suraj Bonagiri - Arka Aerospace

Description:

Further development of a previous prototype of a AWS-hosted GUI for drones in terms of scalability, deployability and integration with actual drones

Profile of Users:

Clients - Can initiate an order, view the trajectory and estimated time of arrival of the drone.

Operator - Can assign drones to specific orders, track status of multiple drones at the same time. Receives alerts in case of emergencies and/or cancellations.

Control Center/Administration - Has a god-view of all the drones in operation.

Feature highlights:

Login/Registration - Addition of login/registration feature to classify users and display user-specific information regarding drones. Also improving the aesthetics and responsiveness of the website.

Scalability - Addition of views for different entities. Like user can view only his delivery drone, operator can view all the drones under him, admin has a god-level view of all the drones in operation.

Map GUI and trajectories - Improve upon the appearance and responsiveness of the Map GUI. Also displaying trajectory, estimated time of arrival.

Usage Model and Diagrams:

