

PROJECT PLAN DOCUMENT

Team - 41

Project number	41
Project Title	GUI for Anti-Drone System
Document	Project Plan
Creation date	31/01/2024
Created By	Medha Prasad, Vinit Mehta, Manasa Kalaimalai, Prithvi Karthik, Shailender Goyal
Client	Suraj Bonagiri: Founder, Arka Aerospace (Mentor) Arka Aerospace Pvt. Ltd. (Organization)

Brief problem statement

The project aims to further develop GUI for an Anti-Drone System that addresses the increasing challenge of small UAV airspace violations along Indian borders by developing an Anti-drone system. The GUI, built with Rust and Tauri, is currently in progress and requires additional features. These include user controls for engaging drones, dynamic map zooming based on drone proximity, visual representation of drone trajectories, kill markers on the map, a catalog for recorded events, and a settings tab for functionalities like updates and theme selection. The goal is to create an intuitive and user-friendly interface for army personnel, ensuring ease of use for individuals with minimal educational background.

Team Members

- Medha Prasad 2022101034
- Vinit Mehta 2022111001
- Manasa Kalaimalai 2022101131
- Prithvi Karthik 2022101020
- Shailender Goyal 2022111023

Team Communication

The team will maintain regular communication via WhatsApp and schedule weekly in-person meetings to review progress. Meeting times will be flexible, accommodating all team members' availability. Additionally, weekly client meetings will be held with the entire team present, at a mutually convenient time.

Development Environment

The following Programming tools, Languages, Productivity tools and Project tracking tools would be used in our project:

- VS Code
- Rust
- Tauri
- NodeJS
- Yarn
- Typescript JS
- React
- XState
- Taskade
- MS Word
- WhatsApp

Milestone Schedule

Milestone	Due Date	Release	Deliverable?
<i>Create project synopsis</i>	<i>25/01/24</i>	<i>R1</i>	<i>No</i>
<i>Create status tracker document</i>	<i>25/01/24</i>	<i>R1</i>	<i>No</i>
<i>Create project plan</i>	<i>31/01/24</i>	<i>R1</i>	<i>No</i>
<i>TBD</i>	<i>TBD</i>	<i>TBD</i>	<i>TBD</i>