

# PROJECT PLAN DOCUMENT

(Due: 31<sup>st</sup> January 2024)

Project number	31
Project Title	Automate R&D Workflow
Document	Project Plan
Creation date	18/03/24
Created By	Aditya, Agrim, Aniket, Atidipt, Shivam
Client	Suraj Bonagiri, Arka Aerospace Pvt. Ltd.

## Brief problem statement

The project's objective is to create and host a dashboard on a local network that will improve management by getting rid of inefficiencies and misunderstandings. The dashboard will be a GUI on a webserver that will be connected to databases. The main objective of this GUI will be to make access to the databases easier. The client will be able to conveniently track and update the databases using this GUI.

## Team Members

Member Name	Role
Aditya Garg	Research, Web Design, Documentation, Web Development
Agrim Mittal	Research, Web Design, Documentation, Web Development
Aniket Bansal	Research, Web Design, Documentation, Web Development
Atidipt Ashnin	Research, Web Design, Documentation, Web Development
Shivam Singh	Research, Web Design, Documentation, Web Development

## Team Communication

We will have a weekly meeting where we will discuss the work we have done, discuss the issues faced during the project, plan the coming weeks. We are also going to have weekly meets with clients, it can be either offline or online depending upon the schedule.

## Development Environment

We are going to use the following tools:

- Github (for collaborating)

- React.js (for frontend)
- Node.js (for backend)
- Express.js (for backend)
- MongoDB (for database)
- HTML/CSS (for frontend and styling)
- Javascript

## Milestone Schedule

Milestone	Due Date	Release	Deliverable?
<i>Create draft requirements</i>	7/02/24	R1	No
<i>Finalize requirements</i>	14/2/24	R1	Yes
<i>Finalize SRS Document</i>	18/2/24	R1	Yes
<i>Make Design draft and basic architecture</i>	7/2/24	R1	Yes
<i>Creation and linking of database</i>	16/2/24	R1	Yes
<i>Finalize Design draft of the web app</i>	20/2/24	R1	No
<i>Iterations based on client feedback</i>	28/2/24	R1	Yes
<i>Primitive prototype of web app</i>	10/3/24	R1	No
<i>Test the primitive version based on real time data from the Arka Aerospace drone data</i>	20/3/24	R2	No
<i>Drone Testing</i>	24/3/24	R2	Yes
<i>Start with basic automation</i>	27/3/24	R2	No
<i>Iterations based on client feedback</i>	03/3/24	R2	Yes
<i>Finalization of web app</i>	17/4/24	R2	Yes
<i>Test the final version of web</i>	21/4/24	R2	No
<i>Deployment</i>	26/4/24	R2	Yes