

# PROJECT PLAN DOCUMENT

Team number	37
Project Title	<i>ChargeMate (D7)</i>
Document	Project Plan
Creation date	13 <sup>th</sup> Feb 2023
Client	<i>ChargeKart - ChargeKart (D7)</i>

## Brief problem statement

The growth of the electric vehicle (EV) industry is limited by the lack of accessible and convenient charging solutions. The current options are complicated, time-consuming, and stressful, negatively impacting the user experience. The goal of this project is to provide a solution to these challenges by developing user-friendly mobile apps and a web platform to control and monitor charging bots, making the charging process simple, efficient, and stress-free. The ultimate aim is to revolutionize the EV industry by providing a cutting-edge solution that makes charging EVs more accessible and convenient for everyone.

## Team Members

**Aditya Raghuvanshi** – Developer

**Bhav Beri** – Developer

**Aryan Gupta** – Developer

**Himanshu Saraf** – Developer

## Team Communication

Ideally, we shall have the client meet once every week mostly it will be a physical meet. We team members shall have regular meets as and when required.

Our approach includes the following:

- Keeping the client regularly updated on the progress of our project.
- Ensuring that all team members are aligned with the project's course.
- Swiftly communicating any unexpected changes or challenges in the project's trajectory to the client and/or team members with clarity.

## Development Environment

- React - Frontend
- FastAPI - REST API based Backend
- Flutter/React-Native - Mobile App
- Gitlab - Source Code Management

## Milestone Schedule

ChargeMate Operations Control Center (Web Application)

ChargeMate User Interface (Mobile Application)

Milestone	Due Date	Release	Deliverable?
<i>Create draft requirements</i>		R1	Yes
<i>Finalize requirements</i>		R1	Yes
<i>Set-up Web app structure</i>		R1	Yes
<i>Basic development of Web app</i>		R1	Yes
<i>80% of the Web app features</i>		R1	Yes
<i>Full scale development of Web App</i>		R2	Yes
<i>Set -up Mobile App</i>		R2	Yes
<i>Development of Mobile App</i>		R2	Yes
<i>Real time testing of both the apps</i>		R2	Yes
<i>Test Stability</i>		R2	Yes
<i>Improvements (if any)</i>		R2	Yes
<i>Final Application</i>		R2	Yes