# PROJECT PLANNING

| Date | 30 June 2025 |
|------|--------------|
| Team ID | LTVIP2025TMID48669 |
| Project Name | Visualization Tool for Electric Vehicle Charge and Range Analysis. |
| Maximum Marks | 5 Marks |

## TITLE :

Visualization Tool for Electric Vehicle Charge and Range Analysis.

## Team ID : LTVIP2025TMID48669

## Team Members :

**Team Leader :** Likitha Dadi
**Team member :** Ella Likhitha
**Team member :** Gandi Dinesh
**Team member :** Allada Vasanth
**Team member :** Goona Ganapathi Swamy

**A Sprint** fixed period or duration in which a team works to complete a set of tasks

An **Epic** is a **big task or project** that is too large to complete in one sprint. It is broken down into **smaller tasks (stories)** that can be completed over multiple sprints.

A **Story** is a small task . It is part of an **Epic**.

A **Story Point** is a number that represents how much effort a story takes to complete. (usually in form of Fibonacci series)

- **1-** Very Easy task
- **2-** Easy task
- **3-** Moderate task
- **5-** Difficult task

**Sprint 1: (5 Days)**

Data Collection

      Collection of Data  **2**

      Loading Data  **1**

Data Preprocessing

      Handling Missing Values  **3**

      Handling Categorical values  **2**

**Sprint 2 (5 Days)**

Model Building

Model Building   **5**

Testing Model   **3**

Deployment

Working HTML Pages  **3**

Flask deployment   **5**

**Total Story Points**

Sprint 1 = 8

Sprint 2 = 16

Velocity= Total Story Points Completed/ Number of Sprints

Total story Points= 16+8 =24

No of Sprints= 2

**Velocity** = (16+8)/2= 24/2

12 (Story Points per Sprint)

**Your team's velocity is 12 Story Points per Sprint.**

**Product Backlog, Sprint Schedule, and Estimation (4 Marks)**

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|--------|-------------------------------|-------------------|-------------------|--------------|----------|--------------|
| Sprint-1 | Data Collection | USN-1 | As a user, I want to collect data for analysis | 2 | High | Likitha Dadi |
| Sprint-1 | Data Collection | USN-2 | As a user, I want to load data into the system | 1 | Medium | Likhitha Ella |

| | | | | | | |
|---|---|---|---|---|---|---|
| Sprint-1 | Data Preprocessing | USN-3 | As a user, I want to handle missing values | 3 | High | Dinesh gandi |
| Sprint-1 | Data Preprocessing | USN-4 | As a user, I want to handle categorical values | 2 | Medium | Allada Vasanth |
| Sprint-2 | Model Building | USN-5 | As a user, I want to build a predictive model | 5 | High | Ganapathy Swamy Goona |
| Sprint-2 | Model Building | USN-6 | As a user, I want to test my model on sample data | 3 | High | Likitha Dadi |
| Sprint-2 | Deployment | USN-7 | As a user, I want a working front-end with HTML pages | 3 | Medium | Likhitha Ella |
| Sprint-2 | Deployment | USN-8 | As a user, I want to deploy the project using Flask | 5 | High | Dinesh Gandi |

**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

| Sprint | Total Story Points | Duration | Sprint Start Date | Sprint End Date (Planned) | Story Points Completed (as on Planned End Date) | Sprint Release Date (Actual) |
|---|---|---|---|---|---|---|
| Sprint-1 | 20 | 3 Days | 5 May2025 | 8 May 2025 | 20 | 5 May2025 |
| Sprint-2 | 20 | 3 Days | 11 May 2025 | 14 May 2025 | 20 | 11 May 2025 |
| Sprint-3 | 20 | 3 Days | 17 May 2025 | 20 May 2025 | 20 | 17 May 2025 |
| Sprint-4 | 20 | 3 Days | 23 May 2025 | 26 May 2025 | 20 | 23 May 2025 |
| Sprint-5 | 20 | 3 Days | 29 May 2025 | 2 June 2025 | 20 | 29 May 2025 |

| Sprint | Total Story Points | Duration | Sprint Start Date | Sprint End Date (Planned) | Story Points Completed (as on Planned End Date) | Sprint Release Date (Actual) |
|---|---|---|---|---|---|---|
| Sprint-6 | 20 | 3 Days | 5 June 2025 | 8 June 2025 | 20 | 5 June 2025 |
| Sprint-7 | 20 | 3 Days | 11 June 2025 | 14 June 2025 | 20 | 11 June 2025 |
| Sprint-8 | 20 | 3 Days | 17 June 2025 | 20 June 2025 | 20 | 17 June 2025 |