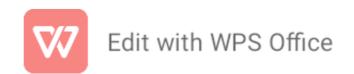
# Project Planning Phase Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

| Date          | 30 june 2025                   |
|---------------|--------------------------------|
| Team ID       | LTVIP2025TMID60809             |
| Project Name  | TrafficTelligence: Advanced    |
|               | Traffic Volume Estimation with |
|               | Machine Learning               |
| Maximum Marks | 5 Marks                        |

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

Use the below template to create product backlog and sprint schedule

| Sprint   | Functional<br>Requirement (Epic) | User Story<br>Number | User Story / Task   | Story Points | Priority | Team<br>Members |
|----------|----------------------------------|----------------------|---|--------------|----------|-----------------|
| Sprint-1 | Registration                     | USN-1                | As a user, I can register for the application by entering my email, password, and confirming my password. | 2            | High     | G Triveni       |
| Sprint-1 |                                  | USN-2                | As a user, I will receive confirmation email once I have registered for the application                   | 1            | High     | N Swapna        |
| Sprint-2 |                                  | USN-3                | As a user, I can register for the application through Facebook  | 2            | Low      |                 |
| Sprint-1 |                                  | USN-4                | As a user, I can register for the application through Gmail   | 2            | Medium   | R Sowmya        |
| Sprint-1 | Login                            | USN-5                | As a user, I can log into the application by entering email & password                                    | 1            | High     | S Yuvaraj       |
|          | Dashboard                        |                      |   |              |          |                 |
|          |                                  |                      |   |              |          |                 |
|          |                                  |                      |   |              |          |                 |



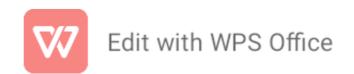
#### Project Tracker, Velocity & Burndown Chart: (4 Marks)

| Sprint   | Total Story<br>Points | Duration | Sprint Start Date | Sprint End Date<br>(Planned) | Story Points<br>Completed (as on<br>Planned End Date) | Sprint Release Date<br>(Actual) |
|----------|-----------------------|----------|-------------------|------------------------------|---|---------------------------------|
| Sprint-1 | 20                    | 6 Days   | 30 may 2025       | 04 june 2025                 | 20  | 20 june 2025                    |
| Sprint-2 | 20                    | 6 Days   | 05 june 2025      | 11june 2025                  |   |                                 |
| Sprint-3 | 20                    | 6 Days   | 12 june 2025      | 16 june 2025                 |   |                                 |
| Sprint-4 | 20                    | 6 Days   | 17 june 2025      | 22 june 2025                 |   |                                 |
|          |                       |          |                   |                              |   |                                 |
|          |                       |          |                   |                              |   |                                 |
|          |                       |          |                   |                              |   |                                 |
|          |                       |          |                   |                              |   |                                 |

## Velocity:

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$



#### **Burndown Chart:**

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/

https://www.atlassian.com/agile/tutorials/burndown-charts

#### Reference:

https://www.atlassian.com/agile/project-management

https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software

https://www.atlassian.com/agile/tutorials/epics

https://www.atlassian.com/agile/tutorials/sprints

https://www.atlassian.com/agile/project-management/estimation

https://www.atlassian.com/agile/tutorials/burndown-charts

