

## Project Planning Phase

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

Date	1 June 2025
Team ID	LTVIP2025TMID59024
Project Name	Flight Fider
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 Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team 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	Nallamollu Naga Divysa
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Naragam Karthk
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	Nallaboina Manikanta
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	i
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Nukala Lahari
	Dashboard					

**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	6 Days	1 Jun 2025	7 Jun 2025	20	2 Jun 2025
Sprint-2	20	6 Days	3 Jun 2025	9 Jun 2025		4 Jun 2025
Sprint-3	20	6 Days	5 Jun 2025	11 Jun 2025		6 Jun 2025
Sprint-4	20	6 Days	7 Jun 2025	13 Jun 2025		8 Jun 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)

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

### **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>