

Project Planning Phase

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

Date	15 February 2025
Team ID	PNT2025TMID08078
Project Name	iRevolution: A Data-driven Exploration of Apple's iPhone Impact in India
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	Data Collection & Market Research	USN-1	As a user, I can collect data on iPhone sales, pricing trends, and market share in India from reliable sources.	2	High	2
Sprint-1	Data Preprocessing	USN-2	As a user, I can clean and preprocess the dataset by removing duplicates, missing values, and inconsistencies.	3	High	2
Sprint-2	Data Visualization	USN-3	As a user, I can visualize iPhone sales trends and adoption rates using charts, graphs, and geographic maps.	3	High	3
Sprint-2	Interactive Dashboard	USN-4	As a user, I can interact with a dashboard to explore sales patterns, regional demand, and pricing changes.	2	High	1
Sprint-3	User Stories (Dashboard Views)	USN-5	As a user, I can analyze demographic and behavioral data to understand iPhone's impact on Indian consumers.	3	Medium	2

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Web Integration	USN-6	As a user, I can integrate the dashboard and visualizations into a web interface for easy access.	2	Medium	1

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	5	2 Days	18 Jul 2025	19 Jul 2025	5	19 Jul 2025
Sprint-2	5	3 Days	19 Jul 2025	20 Jul 2025	5	20 Jun 2025
Sprint-3	5	2 Days	21 Jul 2025	22 Jul 2025	5	22 Jul 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)

$$AV=15/3=5$$

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>