Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMIDxxxxxx
Project Name	iRevolution : A data-driven exploration of Apple's iPhone impact in India using Tableau
Maximum Marks	8 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	Define Problem/ problem understanding	IRT-2	Specify the Business Problem.	2	Medium	All
Sprint-1		IRT-3	Business Requirement	2	Medium	All
Sprint-1		IRT-4	Literature Survey	1	Medium	All
Sprint-1		IRT-5	Social or Business Impact	1	Medium	All
Sprint-1	Data collection and Preparation	IRT-7	Collect the dataset	2	High	All
Sprint-1		IRT-8	Connect datasets with Tableau	1	High	All
Sprint-2	Data Preparation	IRT-10	Prepare the Data for Visualization	3	Medium	All
Sprint-2		IRT-11	Handling missing values	3	High	All

Sprint-2		IRT-12	Creating Fields	3	Low	All
Sprint-2		IRT-13	Handling data inconsistencies	3	High	All
Sprint	**Functional Requirement (Epic)**	**User Story Number**	**User Story / Task**	**Story Points**	**Priority**	**Team members**
Sprint-3	Data Visualization	IRT-15	No of Unique Visualizations	3	Medium	All
Sprint-3		IRT-16	KPI	2	Medium	All
Sprint-3		IRT-17	Text Table	2	Medium	All
Sprint-3		IRT-18	Bar Chart	2	Medium	All
Sprint-3		IRT-19	Bubble Chart	2	High	All
Sprint-3		IRT-20	Donut Chart	2	High	All
Sprint-3		IRT-21	Line Chart	2	High	All
Sprint-3		IRT-22	Treemap	3	High	All
Sprint-3		IRT-23	Map	5	High	All
Sprint-4	Dashboard	IRT-25	Responsive and Design of Dashboard	5	High	All
Sprint-4	Story	IRT-27	No of Scenes of Story	5	High	All
Sprint-4	Performance Testing	IRT-29	Utilization of Filters	2	Medium	All
Sprint-4		IRT-30	Calculation Fields	1	Low	All

Sprint-4		IRT-31	No of visualizations/Graphs	2	Medium	All
Sprint-4	Publishing	IRT-34	Publishing Project	5	High	All
Sprint-4	Project Demonstration & Documentation	IRT-35	Project Demo & Report	3	High	All
Sprint-4		IRT-36	Final Report	5	High	All

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

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date	Story Points Completed (as on Planned End Date)
Sprint-1	11	6 Days	20Feb 2026	25 Feb 2026	9
Sprint-2	11	6 Days	27 Feb 2026	04 Mar 2026	12
Sprint-3	13	6 Days	06 mar 2025	11 Mar 2026	23
Sprint-4	11	6 Days	13 mar 2025	13 Mar 2026	28

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)

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

Total Story Points

Sprint 1 = 9

Sprint 2 = 12

Sprint 3 = 23

Sprint 4 = 28

Velocity= Total Story Points Completed / Number of Sprints

Total story Points= 9+12+23+28= 72

No of Sprints= 4

Velocity =72/4

18(Story Points per Sprint)

My team's velocity is 18 Story Points per Sprint.

AVERAGE VELOCITY:

Avg velocity = velocity / sprint duration = 18/5 = 3.6

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