

Project Planning Phase

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

Team ID	PNT2022TMID25890
Project Name	Airlines Data Analytics for Aviation Industry
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	Registration	USN-1	As a user, I can signup for the application by entering my email id, password and confirming that.	1	Low	Jaswanth P
Sprint-1	Registration	USN-2	Once I have registered for the application as a user, I will receive a confirmation email.	2	Medium	Sai Adarsh V
Sprint-1	Login	USN-3	To Access the application as a user, I can login into the application by entering email & password.	1	Medium	Sai Athithya S
Sprint-1	Collection of Dataset	USN-4	As a user, I can collect the dataset and start to choose the area and track it.	1	High	Shavan Kumar M
Sprint-2	Uploading of Dataset	USN-5	As a user, I could use IBM cloud to upload the given dataset and then, I get that Dataset to include in cognos tool.	2	High	Sai Athithya S
Sprint-2	Preparation	USN-6	In cognus as a developer, I can validate all the tables by performing preparation.	2	High	Jaswanth P
Sprint-2	Exploration	USN-7	As a user, exploring (EDA) the given dataset	2	High	Shavan Kumar M
Sprint-3	Data visualization	USN-8	As a user, I can represent the flight count by following categories.	2	High	Sai Adarsh V

Sprint-3	Data visualization	USN-9	As a user, using geo map, performing visualization.	2	High	Sai Athithya S
Sprint-3	Dashboard	USN-10	As a user, using dashboard showing count of flights by types, countries and continents.	2	High	Shavan Kumar M
Sprint-4	Report creation	USN-11	As a user, I can create the report in cognos	2	High	Sai Athithya S
Sprint-4	Story generation	USN-12	As a user, I can generate the story in cognos.	2	High	Shavan Kumar M
Sprint-4	Establishment in website	USN-13	As a user, I can establish my project in website using html.	2	High	Jaswanth P

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	24 Oct 2022	29 Oct 2022	12	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	12	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	12	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	12	19 Nov 2022

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)

$$\text{Average velocity} = \text{Sprint duration} / \text{velocity} = 12/6 = 2$$

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.

