

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID47723
Project Name	Airlines Data Analytics For Aviation Industry
Maximum Marks	8 Marks

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

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.	3	High	SHIYAMGANESH M
Sprint-1	Registration	USN-2	As a user, I will receive confirmation email once I have registered for the application	3	High	MOHAMED FARHAN S
Sprint-1	Login	USN-3	As a user, I can log into the application by entering email & password	1	Low	MOHAMED MUSHARAF M
Sprint-1	Accessing the dataset	USN-4	I can access the dataset and choose the different types of exploration can be done is analyzed as a user.	5	Medium	MOHAMED SAKKEEL R
Sprint-2	Exploration	USN-5	I can explore the given dataset through IBM Cognos Analytics with Watson	6	High	MOHAMED FARHAN S
Sprint-2	Visualization	USN-6	I will use Cognos as a visualization tool for the provided dataset into a dashboard	6	High	SHIYAMGANESH M
Sprint-3	Dashboard	USN-7	I can create the dashboard that is visualized as a user	6	High	MOHAMED SAKKEEL R
Sprint-3	Ease of Access	USN-8	I can simply access and use the dashboard as a user	5	Medium	MOHAMED MUSHARAF M
Sprint-4	Generation of Report	USN-9	I can generate the report with the help of my visualization	6	High	MOHAMED SAKKEEL R
Sprint-4	Dashboard Establishment	USN-10	As a developer I can Established the dashboard into a website and submit the website	6	High	SHIYAMGANESH M

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	15	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	15	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	15	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	15	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)

$$\text{AV} = \text{Sprint Duration} / \text{Velocity}$$

$$= 15 / 6$$

$$= 2.5$$

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.

