Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)

Date	18October 2022
Team ID	PNT2022TMID27835
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.	10	Medium	Pavithra M
Sprint-1	Login	USN-2	As a user, I can log into the application by entering email & password.	10	Medium	Pavithra M
Sprint-2	Data processing	USN-3	Data in the dataset is cleaned and processed to remove any null values.	10	Medium	Abirami P S
Sprint-2	Uploading and Exploration of Dataset	USN-4	As a user, I can upload the dataset into cognos platform and explore the dataset.	10	High	Abirami P S
Sprint-3	Visualization of dataset	USN-5	As a user, I can create graphs and charts to visualize the dataset.	20	High	Amritha S
Sprint-4	Dashboard	USN-6	As a user, I can create dashboard based on the created visualization charts.	10	High	Kirthika V

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Report Generating	USN-7	As a user, I can view the story and report.	10	Medium	Kirthika V

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

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

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.