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

Date	18October 2022
Team ID	PNT2022TMID49991
Project Name	Project – 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 register for the application by entering my email, password, and confirming my password.	5	High	Benilton Azwalt B
Sprint-1	Registration	USN-2	As a user, I will receive confirmation email once I have registered for the application	8	High	Jenish Immanel Raj J
Sprint-1	Login	USN-3	As a user, I can log into the application by entering email & password	7	Low	Leeban Raj J
Sprint-2	Data Collection	USN-4	As a developer, I can collect the dataset and analyse it before visualization	8	Medium	Thanga Selvakumar D
Sprint-2	Data Exploration	USN-5	As a developer, I can explore the uploaded dataset through IBM Cognos	12	High	Jenish Immanuel Raj J
Sprint-3	Data Visualization	USN-6	As a developer, I can visualize the uploaded dataset into dashbord	6	Medium	Leeban Raj J
Sprint-3	Dashboard	USN-7	As a user, I can personalize the dashboard with my desired choice.	6	High	Benilton Azwalt B
Sprint-3	Dashboard	USN-8	As a user, I can interact with the dashboard	8	High	Thanga Selvakumar D

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Report Generation	USN-9	As a user, I can view the reports of my visualization	10	Medium	Jenish Immanel Raj J
Sprint-4	Dashboard Establishment	USN-10	As a developer, I can establish the dashboard into a website.	10	High	Benilton Azwalt B

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.

Sprint Burn Down Chart

Story Points Remaining in the Sprint Backlog (y-axis, values: 0, 5, 10, 15, 20, 25, 30, 35)

Days in the Sprint (x-axis, values: 1 through 10)