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

Date	18 October 2022
Team ID	PNT2022TMID53188
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. Once registered, I can either log in as an airlines employee or an ordinary man(based on details submitted)	2	High	Devi Anusha Harini R
Sprint-2	Analyze	USN-2	Data from the dataset will be cleaned and analyzed(parameter selection,etc)	1	High	Samanvitha Sree Harini R
Sprint-3	Visualization	USN-3	Perform various visualization techniques and present said data	2	High	G Bhagyashri Devi Anusha
Sprint-4	Prediction/Analysis	USN-4	From data predictive and diagnostic analysis is performed	2	Medium	Samanvitha Sree Devi Anusha
Sprint-5	Visualization	USN-5	As a user, I can view the visualization of the dataset	1	High	G Bhagyashr Harini Ri

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	7 Nov 2022	10 Novt 2022	20	10 Nov 2022
Sprint-2	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-3	20	6 Days	24 Oct 2022	29 Oct 2022	20	30 Oct 2022
Sprint-4	20	6 Days	7 Nov 2022	10 Novt 2022	20	10 Nov 2022
Sprint-4	20	6 Days	7 Nov 2022	10 Novt 2022	20	10 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.

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/
https://www.atlassian.com/agile/tutorials/burndown-charts

Reference:
https://www.atlassian.com/agile/project-management
https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software
https://www.atlassian.com/agile/tutorials/epics
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