Project Planning Phase

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

Date	26 October 2022
Team ID	PNT2022TMID28566
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	I can sign up for the application as a user by providing my email address, password, and confirming that.	2	High	Ashwin P
Sprint-1	Registration	USN-2	When I register for the application as a user, I will get a confirmation email.	3	High	Solomon Sagayam D J
Sprint-1	Login	USN-3	I've grown accustomed to using credentials to access the system as a user.	2	Low	Albin Felix A
Sprint-1	Collection of dataset	USN-4	I can collect the dataset and choose the area of interest to be tracked and analyzed as a user.	5	High	Lokesh V
Sprint-2	Dataset Exploration	USN-5	I can explore the given dataset through IBM cognos	6	High	Solomon Sagayam D J
Sprint-2	Dataset Visualization	USN-6	I will use cognos as a developer to visualize the provided dataset into a dashboard.	6	High	Lokesh V
Sprint-3	Dashboard Customization	USN-7	I can personalize the dashboard that is visualized as a user.	6	Medium	Solomon Sagayam D J
Sprint-3	Ease of Access	USN-8	I can simply access and use the dashboard as a user.	6	Medium	Lokesh V
Sprint-4	Report Generation	USN-9	I can view the detailed report of my visualization	6	High	Lokesh V
Sprint-4	Dashboard Establishment	USN-10	Established the dashboard into a website and submit the website.	6	High	Solomon Sagayam D J

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	12 Oct 2022	19 Oct 2022	12	19 Oct 2022
Sprint-2	20	6 Days	20 Oct 2022	24 Oct 2022	12	24 Oct 2022
Sprint-3	20	6 Days	25 Oct 2022	28 Oct 2022	12	28 Oct 2022
Sprint-4	20	6 Days	29 Oct 2022	01 Nov 2022	12	01 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)

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

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.