Project Planning Phase

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

Date	26 October 2022
Team ID	PNT2022TMID02558
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	Aditya R
Sprint-1	Registration	USN-2	When I register for the application as a user, I will get a confirmation email.	3	High	Akshat Kumar
Sprint-1	Login	USN-3	I've grown accustomed to using credentials to access the system as a user.	2	Low	Aravind S
Sprint-1	Collection of dataset	USN-4	I can collect the dataset and choose the area of interest to be tracked and analysed as a user.	5	Medium	Nandha Kumar P
Sprint-2	Dataset Exploration	USN-5	I can explore the given dataset through IBM cognos	6	High	Aravind S
Sprint-2	Dataset Visualization	USN-6	I will use cognos as a developer to visualise the provided dataset into a dashboard.	6	High	Akshat Kumar
Sprint-3	Dashboard Customization	USN-7	I can personalise the dashboard that is visualised as a user.	6	Medium	Nandha kumar P

Sprint-3	Ease of Access	USN-8	I can simply access and use the dashboard as a user.	6	Medium	Aditya R
Sprint-4	Report Generation	USN-9	I can view the detailed report of my visualization	6	High	Akshat Kumar
Sprint-4	Dashboard Establishment	USN-10	Established the dashboard into a website and submit the website.	6	High	Nandha Kumar P

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

Average velocity=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.