Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID13602
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.	2	High	Sathees kumar Naveen Palanikumar Ravikumar
		USN-2	As a user, I will receive confirmation email. I confirmed the mail .	2	High	Sathees kumar Naveen Palanikumar Ravikumar
	Login	USN-3	As a user, I can call and request or approach for the dataset.	2	Medium	Sathees kumar Naveen Palanikumar Ravikumar

Sprint-2	Working with the data set	USN-4	Work on the given dataset, understand the given dataset.	2	Medium	Naveen
		USN-5	Load the dataset to cloud platform	2	High	Palanikumar
Sprint -3	Data Visualization Chart	USN-6	Using the crop production in india dataset, create various graphs and charts to highlight the insights and visualizations. Representation of flight count by categories.	10	High	Sathees kumar
		USN-7	Build the visualizations for no of flights by countries, regions and airports	4	High	Sathees kumar
		USN-8	Create visualizations for country wise count of airports using geo map	4	High	Sathees kumar
		USN-9	Create visualizations for continent wise count of airports with types	4	High	Sathees kumar
		USN-10	Create dashboard showing count of flights by types , countries and continents in cognos	4	Medium	Sathees kumar

| Sprint-4 | Creating The Dashboard | USN-11 | In Cognos, create the dashboard using the dataset. | 20 | High | Palanikumar Ravikumar |
| | Export The Analytics | USN-12 | Export the created Dashboard | 20 | High | Naveen Palanikumar Ravikumar Sathees kumar |

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.
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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 https://www.atlassian.com/agile/tutorials/sprints

https://www.atlassian.com/agile/project-management/estimation

https://www.atlassian.com/agile/tutorials/burndown-charts