Project Planning Phase

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

Date	25 October 2022
Team ID	PNT2022TMID27015
Project Name	Project - Corporate Employee Attrition Analysis
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a HR, I can register for the application by entering my email, password, and confirming my password.	2	High	NITHEESH RAAJ R M HEMACHANDER S
Sprint-1		USN-2	As a HR, I will receive confirmation email once I have registered for the application	1	High	THILAK C RAGURAM R
Sprint-1		USN-3	As a HR, I can register for the application through LinkedIn	1	Low	NITHEESH RAAJ R M THILAK C
Sprint-1		USN-4	As a HR, I can register for the application through Gmail	1	Medium	HEMACHANDER S THILAK C
Sprint-1	Login	USN-5	As a HR, I can log into the application by entering email & password	5	High	THILAK C RAGURAM R
Sprint-2	Dashboard	USN-6	As a HR, I can use the dashboard to upload Data	10	High	NITHEESH RAAJ R M RAGURAM R
Sprint-3	Cleaning	USN-7	As a HR, I can clean the data uploaded	5	High	HEMACHANDER S RAGURAM R
Sprint-3	Processing	USN-8	As a HR, I can able to process the input data using a suitable model	5	High	NITHEESH RAAJ R M THILAK C
Sprint-4	Predict	USN-9	As a HR, I can able to predict the result of employee attrition	4	High	HEMACHANS RAGURAM R
Sprint- 4	Visualize	USN-10	As a HR, I can able to use to visualize the results and see the attrition rate	6	Medium	NITHEESH RAAJ R M THILAK C RAGURAM R

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	10	6 Days	24 Oct 2022	29 Oct 2022	10	29 Oct 2022
Sprint-2	10	6 Days	31 Oct 2022	05 Nov 2022	10	
Sprint-3	10	6 Days	07 Nov 2022	12 Nov 2022	10	
Sprint-4	10	6 Days	14 Nov 2022	19 Nov 2022	10	

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)

$$\mathbf{AV} = \frac{Sprint\ duration}{velocity} = \frac{6}{10} = \mathbf{0.6}$$

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