Project Planning Phase

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

Date	28 OCTOBER 2023
Team ID	PNT2022TMID592453
Project Name	Project - Employee attrition rate and analysis
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	2
Sprint-1	Registration	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	2
Sprint-2	Registration	USN-3	As a user, i can register for the application through Gmail	2	Medium	2
Sprint-1	Login	USN-4	As a user, i can log into the application by entering email and password	1	High	2
Sprint-2	Dash board	USN-5	As a user, I can view the progress and status using the dashboard interface	2	High	2
Sprint-2	Dashboard	USN-6	As a user i can track the analysis of the ongoing research	2	high	2
Sprint-3	Result	USN-7	As a user , I can finally view my analysis report and also get the solution of the employee attrition rate with accuracy percentage.	1	High	2

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	28 Oct 2023	29 Oct 2023	20	29 Oct 2023
Sprint-2	20	6 Days	31 Oct 2023	05 Nov 2023	20	06 NOV 2023
Sprint-3	20	6 Days	07 Nov 2023	11 Nov 2023	20	11 NOV 2023

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

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

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

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