

Project Planning Phase

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

Date	02 November 2022
Team ID	PNT2022TMID00422
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	Admin registration	3	High	Arun,Balaji,Akash
Sprint-1		USN-2	As a Admin, I will receive confirmation email on registration.	2	High	Jeevanandham,Balaji,Akash
Sprint-1	Login	USN-3	As a HR, I can log into the application by entering email & password.	5	High	Jeevanandham,Arun,Balaji
Sprint-2	Dashboard	USN-4	As a HR ,I can able access the dashboard	10	High	Akash,Balaji
Sprint-3	Processing	USN-5	As a HR, I can able to process the input data using a suitable model	10	High	Arun,Akash,Balaji
Sprint-4	Predict	USN-6	As a HR, I can able to predict the result of employee attrition	4	High	Arun,Balaji
Sprint- 4	Visualize	USN-7	As a HR, I can able to visualize the results and see the attrition rate of the employee	6	Medium	Arun,Akash

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	25 Oct 2022	30 Oct 2022	10	16 Nov 2022
Sprint-2	10	6 Days	01 Nov 2022	06 Nov 2022	10	18 Nov 2022
Sprint-3	10	6 Days	08 Nov 2022	13 Nov 2022	10	18 Nov 2022
Sprint-4	10	6 Days	14 Nov 2022	19 Nov 2022	10	18 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)

$$Av = \text{Spring duration} / \text{velocity} = 6 / 10 = 0.6$$

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>
<https://www.atlassian.com/agile/tutorials/sprints>
<https://www.atlassian.com/agile/project-management/estimation>
<https://www.atlassian.com/agile/tutorials/burndown-charts>