

Project Planning Phase

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

Date	23 October 2022
Team ID	PNT2022TMID25104
Project Name	Corporate Employee Attrition Analytics
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 user, I can register for the application by entering my email, password, and confirming my password.	3	High	Abdullah S
Sprint-1		USN-2	As a user, I will receive a confirmation email once I have registered for the application.	3	High	Gokul S
Sprint-1		USN-3	As a user, I can register for the application through Gmail.	3	Medium	Kunal K
Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password.	4	High	Abdullah S
Sprint-1	Sign in or Sign up	USN-6	As a user, I can use the Web application by login credential.	5	Medium	Kishore D

Sprint-2	User Authentication	USN-7	As an Analyst, I can log into the application by my access.	5	High	Kishore D
Sprint-2	Dataset	USN-5	As a user, I can upload the Dataset to the platform and Access it.	4	High	Kunal K
Sprint-2	User Authentication	USN-13	As an admin, I can handle user Security.	6	High	Abdullah S
Sprint-2	Virtualization	USN-13	Virtualizes the dataset based on problem.	3	Medium	Kunal K
Sprint-3	Dataset	USN-8	As an Analyst, I can evaluate all the information received via independent resources.	6	Medium	Gokul S
Sprint-3		USN-9	As an Analyst, I can check the fairness of the dataset.	8	Medium	Abdullah S
Sprint-3	Analyzing and virtualize the data	USN-10	As an Analyst, I can analyse and virtualize the dataset and give the actual reports.	6	High	Kishore D
Sprint-4	Train and Test the model	USN-11	As an Analyst, I can train and test the model to predict clearly	8	High	Kunal K
Sprint-4	Generate solution	USN-12	As an Analyst, I can give the Solution to the problem.	6	High	Gokul S
Sprint-4	Security	USN-14	As an admin, I can handle the total platforms Security and provide assurance.	6	High	Kishore D

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	18	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	18	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 06-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).

$$\begin{aligned}\text{Teams Average velocity (AV)} &= \text{Sprint Duration} / \text{Velocity} \\ &= 24 / 20 \\ &= \mathbf{1.2}\end{aligned}$$

$$\begin{aligned}\text{Total number of days} &= \text{sprint1} + \text{sprint 2} + \text{sprint 3} + \text{sprint4} \\ &= 6 + 6 + 6 + 6 \\ &= \mathbf{24}\end{aligned}$$

$$\begin{aligned}\text{Total number of story points} &= 18 + 18 + 20 + 20 \\ &= \mathbf{76}\end{aligned}$$

Average velocity per sprint = $76/24$
= 3.166666667
~ = **3**