Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID53278
Project Name	Project - Corporate employee attrition analytics
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	Collecting and preparing datasets	USN-1	As a user, I collect the required information about the corporate employee from the higher officials or from the office administration.	2	low	B. Maadhava Muralidharan, Sonam T
Sprint-1		USN-2	As a user, I can also get the employee details through the company database.		High	B. Maadhava Muralidharan, Sonam T
Sprint-1		USN-3	As a user, I segregate the data in a representable form which is used for the further steps.	1	high	B. Maadhava Muralidharan, Sonam T
Sprint-2	Data visualization	USN-1	As a user, I analyze the data through visualization	2	medium	Vasuundhara , Sruti K
Sprint-2		USN-2	As a user, I analyze the data through dashboards		high	Vasuundhara , Sruti K
Sprint-2		USN-3	As a user, I analyze the data in the form of stories, graph, reports, etc.		low	Vasuundhara Sruti K
Sprint-3	Data analyzing	USN-1	As a user, I finally represent the results gained from the data analytics using python	2	high	B. Maadhava Muralidharan, Sonam T
Sprint-3		USN-2	Through python, I can calculate the attrition results		medium	B. Maadhava Muralidharan,

						Sonam T
Sprint-4	Reporting the results	USN-1	As a user, I can prepare reports from the data analysis process	1	medium	Vasuundhara, Sruti K
Sprint-4		USN-2	From the reports, I can take necessary actions which results in employee attrition.		low	Vasuundhara, Sruti K

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	29 October 2022	05 November 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	05 November 2022	06 November 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	08 November 2022	09 November 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	11 November 2022	16 November 2022

Velocity:
Imagine we have a -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)

$$\text{AV} = \frac{sprint\ duration}{velocity} = \frac{20}{6} = \sim 3$$