Project Planning Phase

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

Date	25 October 2022
Team ID	PNT2022TMID53194
Project Name	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	Login and Dataset upload	USN-1	As a user, I should be able to login in the application and the view the final output	5	High	Lokeshwaran
Sprint-2	Dataset upload and cleaning	USN-2	The analyst should be able to upload the dataset clean the dataset	2	Medium	Divya darshni
Sprint-3	Exploring dataset	USN-3	The analyst performs exploratory analysis on the data to analyze the important factors for attrition.	5	Medium	Preetha
		USN-4	The analyst presents the data using analytical tools like charts and graphs.	4	Medium	Mohammed Riyaz
Sprint-4	Model Creation and Output	USN-5	The analyst creates a model and use to predict the attrition rate and prediction is done through the website.	5	High	Gayathri

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	5	6 Days	24 Oct 2022	29 Oct 2022	5	29 Oct 2022
Sprint-2	5	6 Days	31 Oct 2022	05 Nov 2022	5	05 Nov 2022
Sprint-3	5	6 Days	07 Nov 2022	12 Nov 2022	5	12 Nov 2022
Sprint-4	5	6 Days	14 Nov 2022	19 Nov 2022	5	19 Nov 2022

Velocity:

We have an 6-day sprint duration, and the velocity of the team is 4 (points per sprint). To calculate the team's average velocity (AV) per iteration unit (story points per day)

$$\text{AV} = \frac{\text{SPRINT DURATION}}{\text{VELOCITY}} = \frac{6}{4} = 1.5$$