Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID40488
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	Datasets	USN-1	As a user, I can enter the details of the employees working in our organization for the attrition detail.	2	High	Harini.S
Sprint-1		USN-2	As an Analyst, I will check the dataset and clean the dataset to create an efficient model.	3	High	Kokila.M
Sprint-2	Exploring data and creating model	USN-3	As an Analyst, I can make Exploratory Data Analysis to analyze the important factors for the attrition.	2	Low	Keerthi.K
Sprint-2		USN-4	As an Analyst, I will create a prediction model for predicting the attrition.	3	Medium	Eswari.V
Sprint-3	Prediction	USN-5	As an Analyst, I will create different type of model to identify which give the correct prediction.	5	High	Harini.S
Sprint-4	Creation of webpage	USN-6	As an Analyst. I will dump my prediction model into the flask framework.	2	Medium	Kokila.M
Sprint-4		USN-7	As an Analyst, I will create the webpage and predict through the website.	3	High	Eswari.V

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

Velocity:

We have a 6-day sprint duration, and the velocity of the team is 5 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{\text{Sprint Duration}}{\text{Velocity}} = \frac{6}{5} = 1.2$$