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

Team ID	PNT2022TMID01104
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	Dashboard	USN-1	I provide the information about the employees who work for our company as a user for the attrition detail.	5	High	Pranav Kumar G, Kishore S, Lakshwanth S, Nivvetan P
Sprint-1		USN-2	I will examine the dataset as an Analyst and carry out exploratory data analysis in Cognos Analytics.	3	High	Pranav Kumar G, Kishore S, Lakshwanth S, Nivvetan P
Sprint-2	Report	USN-3	I want minimal, simpler visualisations that report certain events as a user.	2	Low	Pranav Kumar G, Kishore S, Lakshwanth S, Nivvetan P
Sprint-2		USN-4	I'll create a report using Cognos Analytics as an analyst.	3	Medium	Pranav Kumar G, Kishore S, Lakshwanth S, Nivvetan P
Sprint-3	Story	USN-5	As a user, I can only comprehend the Analysis in an animated dataset display.	3	Medium	Pranav Kumar G, Kishore S, Lakshwanth S, Nivvetan P
Sprint-3		USN-6	I utilise Cognos Analytics as an analyst to produce an animated presentation (story) using the dataset.	3	Medium	Pranav Kumar G, Kishore S, Lakshwanth S, Nivvetan P

Sprint-4	Predictive Analysis	USN-7	I want to use the dataset as a user to forecast the company's attrition rate.	5	Medium	Pranav Kumar G, Kishore S, Lakshwanth S, Nivvetan P
Sprint-4		USN-8	As an Analyst, I'll carry out Prediction Analysis using a variety of Python modules.	3	High	Pranav Kumar G, Kishore S, Lakshwanth S, Nivvetan P

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	27 Oct 2022	01 Nov 2022	5	01 Nov 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

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

$$AV = SPRINT\ DURATION/VELOCITY$$
$$= 6/5$$
$$= 1.2$$