

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

Date	22 October 2022
Team ID	PNT2022TMID32181
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.	5	High	Sharmila N, Snega S, Santhosh S
Sprint-1		USN-2	As an Analyst, I Prepare the data & Provide meaningful insights through EDA in Cognos Analytics	3	High	Snega S, Sivasubramani T, Santhosh S
Sprint-2	Exploring data and creating model	USN-3	As a user, I want to find connections between various visualization that leads to attrition	2	Low	Sivasubramani T, Santhosh S
Sprint-2		USN-4	As an Analyst, I will create a prediction model for predicting the attrition.	3	Medium	Santhosh S
Sprint-3	Prediction	USN-5	As an Analyst, I will create different type of model to identify which give the correct prediction.	3	Medium	Sharmila N, Santhosh S, Sivasubramani T
Sprint-3		USN-6	As an Analyst, I will use Cognos Analytics to generate a report	3	Medium	Snega S, Sharmila N, Santhosh S
Sprint-4	Dashboard	USN-7	As a user, I can only understand the Analysis in animated presentation of dataset	5	Medium	Sivasubramani T, Santhosh S
Sprint-4		USN-8	As an Analyst, I use Cognos Analytics to create an animated presentation (Story) of the dataset	3	High	Santhosh S

**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	15 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)

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