

## Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID36382
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	As a user, I give the details of the employees working in our organization for the attrition detail.	5	High	SanjayDass, Boobalan, Yuvaraj manikandan, raj kumar
Sprint-1		USN-2	As an Analyst, I will check the dataset and perform exploratory data analysis in Cognos Analytics	3	High	SanjayDass, Boobalan, Yuvaraj manikandan, raj kumar
Sprint-2	Report	USN-3	As a user, I want Simpler limited number of visualizations that report a particular event	2	Low	SanjayDass, Boobalan, Yuvaraj manikandan, raj kumar
Sprint-2		USN-4	As an Analyst, I will use Cognos Analytics to generate a report	3	Medium	SanjayDass, Boobalan, Yuvaraj manikandan, raj kumar
Sprint-3	Story	USN-5	As a user, I can only understand the Analysis in animated presentation of dataset	3	Medium	SanjayDass, Boobalan, Yuvaraj manikandan, raj kumar
Sprint-3		USN-6	As an Analyst, I use Cognos Analytics to create an animated presentation (Story) of the dataset	3	Medium	SanjayDass, Boobalan, Yuvaraj manikandan, raj kumar
Sprint-4	Predictive Analysis	USN-7	As a user, I want to predict the attrition rate of the company from the dataset	5	Medium	SanjayDass, Boobalan, Yuvaraj manikandan, raj kumar
Sprint-4		USN-8	As an Analyst, I will perform Prediction Analysis by utilizing various libraries in python	3	High	SanjayDass, Boobalan, Yuvaraj manikandan, raj kumar

**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

<b>Sprint</b>	<b>Total Story Points</b>	<b>Duration</b>	<b>Sprint Start Date</b>	<b>Sprint End Date (Planned)</b>	<b>Story Points Completed (as on Planned End Date)</b>	<b>Sprint Release Date (Actual)</b>
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

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)

$$\begin{aligned} \text{AV} &= \text{SPRINT DURATION} / \text{VELOCITY} \\ &= 6 / 5 \\ &= 1.2 \end{aligned}$$