# Project Planning Phase

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

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|---|---|
| Date | 22 October 2022 |
| Team ID | PNT2022TMID45339 |
| 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 | Data Preparation & Data Visualization | USN-1 | As a user, I give the details of the employees working in my organization for the attrition detail. | 5 | High | Amjad Ahamed A |
| Sprint-1 | | USN-2 | As an A | 3 | High | Mohamed Asif Salman |
| Sprint-2 | Dashboard | USN-3 | As a user, I want to find connections between various visualization that leads to attrition | 2 | Low | Balamurugan A |
| Sprint-2 | | USN-4 | As an Analyst, I will perform exploratory data analysis in Cognos Analytics to create a interactive dashboard | 3 | Medium | Praveen Kumar B |
| Sprint-3 | Report | USN-5 | As a user, I want Simpler limited number of visualizations that report a particular event | 3 | Medium | Amjad Ahamed A |
| Sprint-3 | | USN-6 | As an Analyst, I will use Cognos Analytics togenerate a report | 3 | Medium | Mohamed Asif Salman |
| Sprint-4 | Story | USN-7 | As a user, I can only understand the Analysis in animated presentation of dataset | 5 | Medium | Balamurugan. A |
| Sprint-4 | | USN-8 | As an Analyst, I use Cognos Analytics to create an animated presentation (Story) ofthe dataset | 3 | High | Praveen Kumar B |

**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 | | |
| Sprint-3 | 5 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | | |
| Sprint-4 | 5 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | | |
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**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)

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