

## Project Planning Phase

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

|               |                                       |
|---------------|---------------------------------------|
| Team ID       | PNT2022TMID07490                      |
| 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     | Sathiya Moorthy S ,<br>Sudharsan C , Sri Hari U.S.,Ragul Aravinth T |
| Sprint-1 |                               | USN-2             | As an Analyst, I will check the dataset and perform exploratory data analysis in Cognos Analytics    | 3            | High     | Sathiya Moorthy S ,<br>Sudharsan C , Sri Hari U.S.,Ragul Aravinth T |
| Sprint-2 | Report                        | USN-3             | As a user, I want Simpler limited number of visualizations that report a particular event            | 2            | Low      | Sathiya Moorthy S ,<br>Sudharsan C , Sri Hari U.S.,Ragul Aravinth T |
| Sprint-2 |                               | USN-4             | As an Analyst, I will use Cognos Analytics to generate a report                                      | 3            | Medium   | Sathiya Moorthy S ,<br>Sudharsan C , Sri Hari U.S.,Ragul Aravinth T |
| Sprint-3 | Story                         | USN-5             | As a user, I can only understand the Analysis in animated presentation of dataset                    | 3            | Medium   | Sathiya Moorthy S ,<br>Sudharsan C , Sri Hari U.S.,Ragul Aravinth T |
| Sprint-3 |                               | USN-6             | As an Analyst, I use Cognos Analytics to create an animated presentation (Story) of the dataset      | 3            | Medium   | Sathiya Moorthy S ,<br>Sudharsan C , Sri Hari U.S.,Ragul Aravinth T |
| Sprint-4 | Predictive Analysis           | USN-7             | As a user, I want to predict the attrition rate of the company from the dataset                      | 5            | Medium   | Sathiya Moorthy S ,<br>Sudharsan C , Sri Hari U.S.,Ragul Aravinth T |
| Sprint-4 |                               | USN-8             | As an Analyst, I will perform Prediction Analysis by utilizing various libraries in python           | 3            | High     | Sathiya Moorthy S ,<br>Sudharsan C , Sri Hari U.S.,Ragul Aravinth T |

**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   | 19 Nov 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 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)

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