# PROJECT PLANNING PHASE

# SPRINT DELIVERY PLAN

| Date | 18 October 2022 |
|---|---|
| Team ID | PNT2022TMID13620 |
| Project Name | Corporate Employee Attrition Analytics |
| 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 | M.Sowra Aashmi, S.Salai Suyan Jothi, M.Nandhini, M.Snekha |
| Sprint-1 | | USN-2 | I will examine the dataset as an Analyst and carry out exploratory data analysis in Cognos Analytics. | 3 | High | M.Sowra Aashmi, S.Salai Suyan Jothi, M.Nandhini, M.Snekha |

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|---|---|---|---|---|---|---|
| Sprint-2 | Report | USN-3 | I want minimal, simpler visualisations that report certain events as a user. | 2 | Low | M.Sowra Aashmi, S.Salai Suyan Jothi, M.Nandhini, M.Snekha |
| Sprint-2 | | USN-4 | I'll create a report using Cognos Analytics as an analyst. | 3 | Medium | M.Sowra Aashmi, S.Salai Suyan Jothi, M.Nandhini, M.Snekha |
| Sprint-3 | Story | USN-5 | As a user, I can only comprehend the Analysis in an animated dataset display. | 3 | Medium | M.Sowra Aashmi, S.Salai Suyan Jothi, M.Nandhini, M.Snekha |
| Sprint-3 | | USN-6 | I utilise Cognos Analytics as an analyst to produce an animated presentation (story) using the dataset. | 3 | Medium | M.Sowra Aashmi, S.Salai Suyan Jothi, M.Nandhini, M.Snekha |
| Sprint-4 | Predictive Analysis | USN-7 | I want to use the dataset as a user to forecast the company's attrition rate. | 5 | Medium | M.Sowra Aashmi, S.Salai Suyan Jothi, M.Nandhini, M.Snekha |
| Sprint-4 | | USN-8 | As an Analyst, I'll carry out Prediction Analysis using a variety of Python modules. | 3 | High | M.Sowra Aashmi, S.Salai Suyan Jothi, M.Nandhini, M.Snekha |

**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 | 20 | 6 Days | 27 Oct 2022 | 1 Nov 2022 | 20 | 1 Nov 2022 |
| Sprint-2 | 20 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 20 | 05 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 20 | 12 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 20 | 19 Nov 2022 |

**Velocity:**

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

# Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.



Burndown Chart