

Project Planning Phase

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

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|---------------|---------------------------------------|
| Team ID | PNT2022TMID28945 |
| 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 | I provide the information about the employees who work for our company as a user for the attrition detail. | 5 | High | Keerthana J Abirami S Dhivya L Keerthana S.R |
| Sprint-1 | | USN-2 | I will examine the dataset as an Analyst and carry out exploratory data analysis in Cognos Analytics. | 3 | High | Keerthana J Abirami S Dhivya L Keerthana S.R |
| Sprint-2 | Report | USN-3 | I want minimal, simpler visualisations that report certain events as a user. | 2 | Low | Keerthana J Abirami S Dhivya L Keerthana S.R |
| Sprint-2 | | USN-4 | I'll create a report using Cognos Analytics as an analyst. | 3 | Medium | Keerthana J Abirami S Dhivya L Keerthana S.R |

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|----------|-------|-------|---|---|--------|---|
| Sprint-3 | Story | USN-5 | As a user, I can only comprehend the Analysis in an animated dataset display. | 3 | Medium | Keerthana J Abirami S Dhivya L Keerthana S.R |
| Sprint-3 | | USN-6 | I utilise Cognos Analytics as an analyst to produce an animated presentation (story) using the dataset. | 3 | Medium | Keerthana J Abirami S Dhivya L Keerthana S.R |

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|----------|---------------------|-------|--|---|--------|---|
| Sprint-4 | Predictive Analysis | USN-7 | I want to use the dataset as a user to forecast the company's attrition rate. | 5 | Medium | Keerthana J Abirami S Dhivya L Keerthana S.R |
| Sprint-4 | | USN-8 | As an Analyst, I'll carry out Prediction Analysis using a variety of Python modules. | 3 | High | Keerthana J Abirami S Dhivya L Keerthana S.R |

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 | 27 Oct 2022 | 01 Nov 2022 | 5 | 01 Nov 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)

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