

Project Planning Phase

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

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|---------------|---------------------------------------|
| Date | 30 October2022 |
| Team ID | PNT2022TMID29098 |
| 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 | Registration | USN-1 | As a user, I should be able to register in the application. | 3 | Medium | RAGURAMAN M ,VIMAL A, VIJAYASARATHI E,VINOTH S |
| Sprint-1 | Authentication | USN-2 | The registered user should be authenticated and verified and logged in. | 2 | Low | RAGURAMAN M ,VIMAL A, VIJAYASARATHI E,VINOTH S |
| Sprint-2 | Dataset upload and creating dashboards. | USN-3 | As a user, I should be able to upload the dataset and do exploratory analysis and explore patterns. | 2 | Medium | RAGURAMAN M ,VIMAL A, VIJAYASARATHI E,VINOTH S |
| Sprint-2 | | USN-4 | I present the data using analytical tools and present the data using charts and graphs. | 3 | Medium | RAGURAMAN M ,VIMAL A, VIJAYASARATHI E,VINOTH S |
| Sprint-3 | Model creation and testing | USN-5 | I split the data into test and train data and create the model. | 5 | High | RAGURAMAN M ,VIMAL A, VIJAYASARATHI E,VINOTH S |
| Sprint-4 | Model Output | USN-6 | The model is used to predict the attrition rate. | 5 | High | RAGURAMAN M ,VIMAL A, VIJAYASARATHI E,VINOTH S |

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 | 25 Oct 2022 | 30 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 | 08 Nov 2022 | 13 Nov 2022 | 5 | 12Nov2022 |
| Sprint-4 | 5 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 5 | 19Nov2022 |
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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)

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

