# Project Planning Phase

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

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|---|---|
| Date | 18 October 2022 |
| Team ID | PNT2022TMID15445 |
| Project Name | Project – Global Sales Data Analytics |
| Maximum Marks | 8 Marks |

**Product Backlog, Sprint Schedule, and Estimation (4 Marks)**

Use the below template to create product backlog and sprint schedule

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|---|---|---|---|---|---|---|
| Sprint-1 | Dataset exploration (Understanding the dataset) | USN-1 | Analyze the data to find patterns, outliers, and similarities as well as the connections between the various variables. It makes it possible to foresee problems like missing data, duplicate data, and data biases. You will be able to foresee issues like missing data, duplicate data, and data biases. | 2 | Low | Jahnavi.u<br>Dhimple.N |
| Sprint-2 | Preparing the dataset for visualization | USN-2 | By deleting the undesired, null, duplicate, and missing values during this step, the dataset will be ready for the following phase. | 2 | Low | Vandana.T<br>Sangeetha |
| Sprint-3 | Data visualization | USN-3 | visualisation is a technique for graphically and representing information, emphasising patterns trends in data, and gaining quick insights. | 3 | High | Jahnavi.U<br>Vandana.T<br>Sri dhimple.N |

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|---|---|---|---|---|---|---|
| Sprint-4 | Creating dashboard, story and report | USN-4 | From the visualisation, we will create an stories, interactive dashboard that will show all the data, and reports visually. | 3 | High | Sangeetha Vandana.T Sridhimple.N Jahnavi.U |

**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 | 24 Oct 2022 | 29 Oct 2022 | 20 | 29 Oct 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 | 30 | 12 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 30 | 19 Nov 2022 |

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

**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)

**Burn Down 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.

Expected Burndown Chart: