

Project Planning Phase

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

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|---------------|-----------------------------|
| Date | 29 October 2022 |
| Team ID | PNT2022TMID16725 |
| Project Name | Global Sales Data 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 | Registration | 1 | Customers can register by entering the basic personal details through website | 2 | High | Sarvesh V, Yuvaraj S |
| | Login | 2 | As an authenticated user using their login credentials user can view the entire website and various options | 2 | High | Sarvesh V, Yuvaraj S |
| | Working with the Dataset | 3 | Initially Data Preprocessing like filtering, formatting and data cleansing have to be done. | 2 | High | Yuvaraj S, Kandasamy S, Manikandan K |
| | | 4 | Load the dataset in the cloud platform and analyze the data points by Visualization techniques. | 10 | High | Yuvaraj S |

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|---------------|--------------------------------------|--------------------------|---|---------------------|-----------------|---|
| Sprint-2 | Creating the dashboard | 10 | To create a web oriented dash board with various options including sales, profit and report generation | 20 | High | Sarvesh V |
| Sprint-3 | Data Visualization Chart | 11 | Using the Sales production in Global superstore dataset, create various graphs and charts to highlight the insights and variation in the sales. | 4 | Medium | Yuvaraj S, Sarvesh V |
| | | 12 | Using the heat map sales, profit and quantity can be clearly viewed. | 4 | Medium | Manikandan K |
| | | 13 | Using bar graph we can analyze sales by sub category and sales by region | 4 | Medium | Kandasamy S, |
| | | 14 | Using pie-chart we can analyze the country wise sales using map points | 4 | Medium | Kandasamy S, |
| | | 15 | Using Scatter plot to represent the Sales against Seasonal sales Production using a Text representation. | 4 | Medium | Manikandan K |
| Sprint-4 | Customized visualization can be done | 16 | Export the created Dashboard | 20 | | Sarvesh V, Yuvaraj S, Kandasamy S, Manikandan K |

Project Tracker, Velocity & Burn down Chart:

| 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 | 20 | 12 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 20 | 19 Nov 2022 |

Velocity:

We have a 24-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)

$$AV = \text{Sprint Duration} / \text{Velocity} = 24 / 20 = 1.2$$

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.

Burndown Chart

