

## Project Planning Phase

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

Date	03 November 2022
Team ID	PNT2022TMID50563
Project Name	Global Sales Data Analytics

#### 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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	5	High	V. Nanthini R. S. Shalukar
Sprint-1	Login	USN-2	As a user, I will receive confirmation email once I have registered for the application, and I can log into the application by entering email & password	5	High	V. Nanthini R. S. Shalukar
Sprint-1	Data Collection	USN-3	As a user, I need to gather the data in the form of CSV/XLS files and clean the data to remove the null values	10	Low	V. Nanthini R. S. Shalukar
Sprint-2	Upload dataset	USN-4	As a user, I will upload the data to IBM Cognos and view the data of the products	5	Medium	R. Malar Mathi S. Maheshwari
Sprint-2	Data Preparation	USN-5	As a user, I need to filter the data for visualization in IBM Cognos	5	High	R. Malar Mathi S. Maheshwari
Sprint-2	Data visualization	USN-6	As a user, I can easily visualize the data in the form of charts and graphs through IBM Cognos	10	High	R. Malar Mathi S. Maheshwari

<b>Sprint</b>	<b>Functional Requirement (Epic)</b>	<b>User Story Number</b>	<b>User Story / Task</b>	<b>Story Points</b>	<b>Priority</b>	<b>Team Members</b>
Sprint-3	Dashboard	USN-7	As a user, I will create the dashboards based on the given data in IBM Cognos	5	High	R. Malar Mathi S. Maheshwari
Sprint-3	Dashboard	USN-8	As a user, I must plan visualizations in a way that I'm able to gain insights regarding the sales based upon the category of sales and the respective region	5	Medium	R. Malar Mathi S. Maheshwari
Sprint-3	Dashboard	USN-9	As a user, I must be able to gain insights from the charts/graphs through a variety of relationships established in the dashboard.	10	Medium	R. Malar Mathi S. Maheshwari
Sprint-4	Prediction	USN-10	As a user, I will predict the specific product's future sales expectation.	5	High	V. Nanthini R. S. Shalukar
Sprint-4	Final Analysis	USN-11	As a user, I can Analyse the list of categorized products and their details as a report.	5	High	V. Nanthini R. S. Shalukar
Sprint-4	Report	USN-12	As a user, I can prepare the product and customer description information and more additional information as a Report	10	Medium	V. Nanthini R. S. Shalukar

#### **Project Tracker, Velocity & Burndown Chart: (4 Marks)**

<b>Sprint</b>	<b>Total Story Points</b>	<b>Duration</b>	<b>Sprint Start Date</b>	<b>Sprint End Date (Planned)</b>	<b>Story Points Completed (as on Planned End Date)</b>	<b>Sprint Release Date (Actual)</b>
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	30 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	06 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	13 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	20 Nov 2022

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)

### 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)

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

### 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.

<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/>

<https://www.atlassian.com/agile/tutorials/burndown-charts>

**Reference:**

<https://www.atlassian.com/agile/project-management>

<https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software>

<https://www.atlassian.com/agile/tutorials/epics>

<https://www.atlassian.com/agile/tutorials/sprints>

<https://www.atlassian.com/agile/project-management/estimation>

<https://www.atlassian.com/agile/tutorials/burndown-charts>