

## ***Project Planning Phase***

### ***Sprint Delivery plan***

|               |                             |
|---------------|-----------------------------|
| Date          | 16 November 2022            |
| Team ID       | PNT2022TMID14480            |
| Project Name  | Global Sales Data Analytics |
| Maximum Marks | 8 Marks                     |

#### **Product Backlog, Sprint Schedule, and Estimation :**

| Sprint 1 | Functional Requirement (Epic)       | User Story Number | User Story /Task   | Story Points | Priority | Team Member |
|----------|-------------------------------------|-------------------|--|--------------|----------|-------------|
| Sprint 1 | Registration (Customer Mobile User) | UNS 1             | As a user, I can register for the website by entering my email, password, and confirming my password | 3            | High     | 5           |
| Sprint 1 | Login                               | UNS 2             | As a user, I will receive confirmation email once I have registered for the application              | 2            | High     | 5           |
| Sprint 1 | Collecting Sample Dataset           | UNS 3             | As a user, I should share the data source for  | 3            | High     | 5           |

|          |  |       |   |   |      |   |
|----------|--|-------|---|---|------|---|
|          |  |       | the dashboard   |   |      |   |
| Sprint 2 | Preprocessing and cleaning the dataset | UNS 4 | As a data Analyst I should preprocess and clean the dataset if required                     | 3 | High | 5 |
| Sprint 2 | Create Dashboard                       | UNS 5 | As a data Analyst I need to perform data visualization and create a dashboard using BI tool | 3 | High | 5 |
| Sprint 3 | Access Dashboard                       | UNS 6 | As a user, I can access my Sales Data Analytics Dashboard                                   | 3 | High | 5 |
| Sprint 3 | Web Development                        | UNS 7 | As a programmer I should create website for the user  | 3 | High | 5 |
| Sprint 4 | Access the Website                     | UNS 8 | As a user, I can register, login to Access my Sales Data Analytics Dashboard                | 3 | High | 5 |

|          |                              |       |  |   |      |   |
|----------|------------------------------|-------|--|---|------|---|
| Sprint 4 | Embed Dashboard into Website | UNS 9 | As a programmer, I want to embed the dashboard to the website so the user can access the dashboard easily through websit | 1 | High | 5 |
|----------|------------------------------|-------|--|---|------|---|

|          |                 |        |  |   |      |   |
|----------|-----------------|--------|--|---|------|---|
| Sprint 4 | Publish Website | UNS 10 | As a programmer, I should publish the dashboard so that the user can access the website from any device through internet | 3 | High | 5 |
|----------|-----------------|--------|--|---|------|---|

### Project Tracker, Velocity & Burndown Chart:

| Sprint   | Total Story Points | Duration | Sprint Start Date | Sprint End Date(Planned) | Story Points Completed (as Planned End Date) on | Sprint Release Date(Actual) |
|----------|--------------------|----------|-------------------|--------------------------|---|-----------------------------|
| Sprint-1 | 4                  | 6 Days   | 24 Oct 2022       | 29 Oct 2022              | 20  | 29 Oct 2022                 |
| Sprint-2 | 2                  | 6 Days   | 30 Oct 2022       | 06 Nov 2022              | 20  | 06 Nov2022                  |
| Sprint-3 | 2                  | 6 Days   | 07 Nov 2022       | 12 Nov 2022              | 20  | 12 Nov2022                  |
| Sprint-4 | 2                  | 6 Days   | 13 Nov 2022       | 19 Nov 2022              | 20  | 19 Nov2022                  |

### 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)

$$AV-1 = \frac{\text{Total story points}}{\text{Sprint Duration}} = \frac{4}{6} = 0.666$$

$$AV-2 = \frac{\text{Total story points}}{\text{Sprint Duration}} = \frac{2}{6} = 0.333$$

$$AV-3 = \frac{\text{Total story points}}{\text{Sprint Duration}} = \frac{2}{6} = 0.333$$

$$AV-4 = \frac{\text{Total story points}}{\text{Sprint Duration}} = \frac{2}{6} = 0.333$$

## 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.

