# **Project Planning Phase**

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

| Date   | 18 October 2022  |  |  |  |  |  |
|--|------------------|--|--|--|--|--|
| Team ID  | PNT2022TMID52571 |  |  |  |  |  |
| Project Name Project - Smart Fashion Recommender Application |                  |  |  |  |  |  |
| 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<br>Requirement (Epic) | User Story<br>Number | User Story / Task   | Story Points | Priority | Team<br>Members   |
|----------|----------------------------------|----------------------|---|--------------|----------|---|
| Sprint-1 | User Panel                       | USN-1                | The user will register first & then login into the website and go through the products available on the website using various features offered & with the help of the recommendation system | 20           | High     | Harshitha B,<br>Kavin Raja,<br>Pranav Devi<br>R.,<br>Vaibav Bajra |
| Sprint-2 | Admin panel                      | USN-2                | The role of the admin is survey the database stock, user purchases etc.   | 10           | High     | Harshitha B,<br>Kavin Raja,<br>Pranav Devi<br>R.,<br>Vaibav Bajra |
| Sprint-3 | Chat Bot                         | USN-3                | The user can directly intercat with the Chatbot regarding the products, queries etc and receive recommendations based on information provided by the user.                                  | 20           | Low      | Harshitha B,<br>Kavin Raja,<br>Pranav Devi<br>R.,<br>Vaibav Bajra |
| Sprint-4 | final delivery                   | USN-4                | Container of applications using docker kubernetes and deployment the application. Create the documentation and final submit the application   | 2            | Medium   | Harshitha B,<br>Kavin Raja,<br>Pranav Devi<br>R.,<br>Vaibav Bajra |

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

| Sprint   | Total Story<br>Points | Duration | Sprint Start Date | Sprint End Date<br>(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:**

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)

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

#### **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.

|  | OCT TO THE TREE TREE TO THE TREE TO THE TREE TREE TO THE TREE TREE TREE TREE TREE TREE TREE |                                       |        |         |  |  | NOV |                |  |      |          |   |  |  | NOV                                |  |         |         |  |    |                                       | NOV |   |        |         |  |    |    |    |    |  |
|--|---|---------------------------------------|--------|---------|--|--|-----|----------------|--|------|----------|---|--|--|------------------------------------|--|---------|---------|--|----|---------------------------------------|-----|---|--------|---------|--|----|----|----|----|--|
| Sprints  | 24  | 24 25 26 27 28 29 30<br>SFRA Sprint 1 |        |         |  |  | 30  | 31 1 2 3 4 5 6 |  |      |          |   |  |  | 7 8 9 10 11 12 13<br>SFRA Sprint 3 |  |         |         |  | 13 | 14 15 16 17 18 19 20<br>SFRA Sprint 4 |     |   |        |         |  | 20 | 21 | 22 | 23 |  |
| •  |   |                                       | SFRA S | print 1 |  |  |     |                |  | SFRA | Sprint 2 | ! |  |  |                                    |  | SFRA Sp | orint 3 |  |    |                                       |     | S | FRA Sp | print 4 |  |    |    |    |    |  |
| SFRA-1 Creating Register/login page              |   |                                       |        |         |  |  |     |                |  |      |          |   |  |  |                                    |  |         |         |  |    |                                       |     |   |        |         |  |    |    |    |    |  |
| SFRA-2 home page of e-commerce website           |   |                                       |        |         |  |  |     |                |  |      |          |   |  |  |                                    |  |         |         |  |    |                                       |     |   |        |         |  |    |    |    |    |  |
| SFRA-3 Creating buying products page             |   |                                       |        |         |  |  |     |                |  |      |          |   |  |  |                                    |  |         |         |  |    |                                       |     |   |        |         |  |    |    |    |    |  |
| SFRA-4 Creating Cart page                        |   |                                       |        |         |  |  |     |                |  |      |          |   |  |  |                                    |  |         |         |  |    |                                       |     |   |        |         |  |    |    |    |    |  |
| SFRA-5 Create Database For products and user det |   |                                       |        |         |  |  |     |                |  |      |          |   |  |  |                                    |  |         |         |  |    |                                       |     |   |        |         |  |    |    |    |    |  |
| SFRA-6 Completing the User panel                 |   |                                       |        |         |  |  |     |                |  |      |          |   |  |  |                                    |  |         |         |  |    |                                       |     |   |        |         |  |    |    |    |    |  |
| SFRA-7 Creating UI for Admin Panel               |   |                                       |        |         |  |  |     |                |  |      |          |   |  |  |                                    |  |         |         |  |    |                                       |     |   |        |         |  |    |    |    |    |  |
| SFRA-8 Creating database connection for admin pa |   |                                       |        |         |  |  |     |                |  |      |          |   |  |  |                                    |  |         |         |  |    |                                       |     |   |        |         |  |    |    |    |    |  |
| SFRA-9 Completing the Admin panel                |   |                                       |        |         |  |  |     |                |  |      |          |   |  |  |                                    |  |         |         |  |    |                                       |     |   |        |         |  |    |    |    |    |  |
| SFRA-10 Creating chatbot for application         |   |                                       |        |         |  |  |     |                |  |      |          |   |  |  |                                    |  |         |         |  |    |                                       |     |   |        |         |  |    |    |    |    |  |
| SFRA-11 Adding Features of Chatbot               |   |                                       |        |         |  |  |     |                |  |      |          |   |  |  | - (                                |  |         |         |  |    |                                       |     |   |        |         |  |    |    |    |    |  |
| SFRA-12 integrate ChatBot with Web site          |   |                                       |        |         |  |  |     |                |  |      |          |   |  |  |                                    |  |         |         |  |    |                                       |     |   |        |         |  |    |    |    |    |  |
| SFRA-13 Completing Chatbot                       |   |                                       |        |         |  |  |     |                |  |      |          |   |  |  |                                    |  |         |         |  |    |                                       |     |   |        |         |  |    |    |    |    |  |
| SFRA-14 Testing And Debugging The application    |   |                                       |        |         |  |  |     |                |  |      |          |   |  |  |                                    |  |         |         |  |    |                                       |     |   |        |         |  |    |    |    |    |  |
| SFRA-15 Container of applications                |   |                                       |        |         |  |  |     |                |  |      |          |   |  |  |                                    |  |         |         |  |    |                                       |     |   |        |         |  |    |    |    |    |  |
| SFRA-16 deploy the application                   |   |                                       |        |         |  |  |     |                |  |      |          |   |  |  |                                    |  |         |         |  |    |                                       |     |   |        |         |  |    |    |    |    |  |