

## Project Planning Phase

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

|               |  |
|---------------|--|
| Date          | 15 November 2022                               |
| Team ID       | PNT2022TMID00753                               |
| 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 Requirement (Epic) | User Story Number | User Story / Task   | Story Points | Priority | Team Members   |
|----------|-------------------------------|-------------------|---|--------------|----------|--|
| Sprint-1 | User Panel                    | USN-1             | The user will visit the website after logging in and browse the available items.  | 20           | High     | THARUN A<br>SANTHOSH J<br>RAJARAJAN P<br>SURENDHAR A |
| Sprint-2 | Admin Panel                   | USN-2             | Verifying the stock database and keeping track of everything that users purchase are the admin's responsibilities.                              | 20           | High     | THARUN A<br>SANTHOSH J<br>RAJARAJAN P<br>SURENDHAR A |
| Sprint-3 | Chat Bot                      | USN-3             | Regarding the items, the user can speak with the Chatbot directly. Obtain suggestions based on the user's input.                                | 20           | High     | THARUN A<br>SANTHOSH J<br>RAJARAJAN P<br>SURENDHAR A |
| Sprint-4 | Final Delivery                | USN-4             | Application deployment using Docker Kubernetes and app containerization Make the necessary paperwork, then complete and submit the application. | 20           | High     | THARUN A<br>SANTHOSH J<br>RAJARAJAN P<br>SURENDHAR A |

### 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               | 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)

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

#### 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.

