

## Project Planning Phase

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

Date	04 October 2022
Team ID	PNT2022TMID28917
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	Registration and login page design	USN-1	The user will register the account in the website to access the products . The user will log on with the registered credentials	20	High	Maxson , Adesh
Sprint-2	Admin module and product displaying page	USN-2	Admin Module has the privilege to manage the stocks and manages the users in the database.Flask Framework is used for displaying the products page .	20	High	Suwetha , Catherine
Sprint-3	Chabot integration and sendgrid service	USN-3	Integration with chatbot with webapp and connecting sendgrid service to the webapp for tracking the order	20	Medium	Maxson , Adesh
Sprint-4	Deployment of app in ibm cloud using Docker Container ,Kubernetes	USN-4	Deploying the code in Docker Kubernetes Container and create the final project report.	20	High	Suwetha , Catherine

### 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	1 Nov 2022	6 Nov 2022		6 Nov 2022
Sprint-2	20	5 Days	7 Nov 2022	12 Nov 2022		12 Nov 2022
Sprint-3	20	3 Days	12 Nov 2022	15 Nov 2022		15 Nov 2022
Sprint-4	20	3 Days	15 Nov 2022	18 Nov 2022		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.

