

## Project Planning Phase

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

Date	15 November 2022
Team ID	PNT2022TMID37311
Project Name	Smart Fashion Recommender Application
Maximum Marks	8 Marks

### Product Backlog, Sprint Schedule, Estimation

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story points	Priority	Team Members
Sprint-1	Setting up App environment	USN-1	As a user, I can register in ICTA Academy and create IBM cloud account.	2	High	Somasundaram K Sanjay S
Sprint-1		USN-2	As a user, I will create a flask project	1	Low	Ronith N Shibi R
Sprint-1		USN-3	As a user, I will install IBM Cloud CLI	2	Medium	Somasundaram K Vinoth R
Sprint-2	Setting up App environment	USN-4	As a user, I can install Docker CLI	1	Low	Ronith N Vinoth R
Sprint-2		USN-5	As a user, I will Create an account in sendgrid	2	Medium	Somasundaram K Sanjay S

Sprint-3	Implementing web application	USN-6	As a user, I Create UI to interact with the application	1	High	Shibi R Sanjay S
Sprint-3		USN-7	As a user, I Create IBM DB2 and connect with Python	3	High	Somasundaram K
Sprint-3	Integrating sendgrid service	USN-8	As a user, I will integrating sendgrid with python code	2	High	Vinoth R
Sprint-3	Developing a chatbot	USN-9	As a user, I have to build a chatbot and Integrate to application	1	Medium	Ronith N
Sprint-4	Development of App in IBM Cloud	USN-10	As a user, I will Containerize the App	1	Low	Shibi R
Sprint-4		USN-11	As a user, I will upload image to IBM Container registry	2	Medium	Sanjay S
Sprint-4		USN-12	As a user, I will deploy App in Kebernetes cluster	3	High	Vinoth R
Sprint-4	User panel		As a user <ul style="list-style-type: none"> <li>● Register, Login, Email, Verification</li> <li>● Manual Search</li> <li>● Order placement, Order Details</li> </ul>	3	High	Somasundaram K Sanjay S Ronith N Shibi R Vinoth R

## Project Tracker, Velocity & Burndown Chart

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	18	6 Days	24 Oct 2022	29 Oct 2022	24	13 Nov 2022
Sprint-2	18	6 Days	31 Oct 2022	05 Nov 2022	24	15 Nov 2022
Sprint-3	18	6 Days	07 Nov 2022	12 Nov 2022	24	16 Nov 2022
Sprint-4	18	6 Days	14 Nov 2022	19 Nov 2022	24	18 Nov 2022

## Velocity

Imagine we have a 6-day sprint duration, and the velocity of the team is 18(points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \text{Sprint Duration} / \text{Velocity}$$

$$AV=24/6=4$$

## 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.

