

## Project Planning Phase

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

Date	09 November 2022
Team ID	PNT2022TMID13118
Project Name	Project -News Tracker 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 login into the website and go through the products available on the website	20	High	Fahad Ali Mir Vaibhav Sudan Harshaa Vardaan T Sreemathi
Sprint-2	Registration	USN-2	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Fahad Ali Mir Vaibhav Sudan
Sprint-2		USN-3	As a user, I will receive confirmation email once I have registered for the application.	1	High	Harshaa Vardaan T Sreemathi

Sprint-3	Login	USN-4	As a user, I can log into the application by entering email & password.	1	High	Fahad Ali Mir Vaibhav Sudan
Sprint-4	Admin panel	USN-5	The role of the admin is to check out the database about the stock and have a track of all the things that the users are purchasing.	20	High	Fahad Ali Mir Vaibhav Sudan Harshaa Vardaan T Sreemathi
Sprint-5	Chat Bot	USN-6	The user can directly talk to Chatbot regarding the products. Get the recommendations based on information provided by the user.	20	High	Fahad Ali Mir Vaibhav Sudan Harshaa Vardaan T Sreemathi
Sprint-5	Final delivery	USN-7	Container of applications using docker kubernetes and deployment the application. Create the documentation and final submit the application	20	High	Fahad Ali Mir Vaibhav Sudan Harshaa Vardaan T Sreemathi

### 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	08 Nov 2022	10 Nov 2022	8	10 Nov 2022
Sprint-2	20	6 Days	10 Nov 2022	15 Nov 2022	6	15 Nov 2022
Sprint-3	20	6 Days	16 Nov 2022	18 Nov 2022	7	18 Nov 2022
Sprint-4	20	6 Days	18 Nov 2022	19 Nov 2022	8	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.

