

## Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID43147
Project Name	NUTRITANT ASSISTANT 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	Nutritionist-Registration	USN-1	As a nutritionist ,I can register for the app through email , password and confirming the password.	5	High	Sahaya delphin,Herasha
Sprint-1		USN-2	As a nutritionist, I will receive confirmation email once I have registered for the app.	5	High	Sanjana devi,Gayathri
Sprint-1	Customer-registration	USN-3	As a customer ,I can register for the app through email , password and confirming the password	5	High	Dhivya
Sprint-1	Dashboard	USN-4	As a customer, I can share my queries in chat bot	5	high	Gayathri,Dhivya
Sprint-2	Customer problems	USN-1	As a customer I can share my medical problems related to my food in chat bot	10	High	Herasha,Sanjana devi
Sprint-2	Dashboard	USN-2	The nutritionist suggest some diet plan per the information of customer	10	High	Sahaya delphin,Gayathri
Sprint 3	Database	USN -1	As a customer ,they can view all the food with calories value	10	High	Dhivya,Herasha
Sprint 3	Sendgrid / twillo	USN-2	Sends the alert to take correct food as per the plan through message	10	High	Sanjana devi,sahaya delphin
Sprint 4	Development	USN -1	Development of assistant appliction	20	High	Gayathri,Dhivya

**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	5 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.

<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/>

<https://www.atlassian.com/agile/tutorials/burndown-charts>

### **Reference:**

<https://www.atlassian.com/agile/project-management>

<https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software>

<https://www.atlassian.com/agile/tutorials/epics>

<https://www.atlassian.com/agile/tutorials/sprints>

<https://www.atlassian.com/agile/project-management/estimation>

<https://www.atlassian.com/agile/tutorials/burndown-charts>