

## Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID53138
Project Name	Project – Cloud based Nutrition 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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	8	High	Sanyog
Sprint-1	Registration	USN-2	As a user, I will receive confirmation email once I have registered for the application	3	High	Madhav Prasath
Sprint-2	Registration	USN-3	As a user, I can register for the application through Facebook	2	Low	Venkat Narayan
Sprint-1	Registration	USN-4	As a user, I can register for the application through Gmail	1	Medium	Venkat Narayan
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	8	High	Hariprasad
Sprint-2	Dashboard	USN-6	As a user, I can land in the dashboard of my application	10	High	Sanyog
Sprint-3	Dashboard	USN-7	As a user, I can upload the image of my food in the dashboard	10	High	Venkat Narayan
Sprint-2	Dashboard	USN-8	As a user, I can see my profile	8	Medium	Madhav Prasath
Sprint-4	Dashboard	USN-9	As a user, I can update my profile	10	High	Sanyog

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Dashboard	USN-10	As a user, I can view the result of the processed image	10	High	Hariprasad
Sprint-4	Dashboard	USN-11	As a user, I can view my history of searches	10	Medium	Madhav Prasath

#### 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		
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	20	6 Days	14 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)

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

#### **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>