

## Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID46130
Project Name	Project – AI-powered Nutrition Analyzer for Fitness Enthusiasts
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.	2	High	Krishnasamy R, Sakthivel S, Sathishkumar S, Shaheen Ahmad S, Ranjith R
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Krishnasamy R, Sakthivel S, Sathishkumar S, Shaheen Ahmad S, Ranjith R
Sprint-1		USN-3	As a user, I can register for the application through Gmail	1	Medium	Krishnasamy R, Sakthivel S, Sathishkumar S, Shaheen Ahmad S, Ranjith R
Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password	1	High	Krishnasamy R, Sakthivel S, Sathishkumar S, Shaheen Ahmad S, Ranjith R
Sprint-2	Nutrition Analyzer	USN-5	As a user, I can view the nutrition level of the fruit by scanning the fruit	2	High	Krishnasamy R, Sakthivel S, Sathishkumar S, Shaheen Ahmad S, Ranjith R
Sprint-2		USN-6	As a user, I can able to calculate the nutritional value of the different fruits at the same time	2	High	Krishnasamy R, Sakthivel S, Sathishkumar S, Shaheen Ahmad S, Ranjith R

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3		USN-7	As a user, I can able to view fruits (input data) details by related web site	3	Medium	Krishnasamy R, Sakthivel S, Sathishkumar S, Shaheen Ahmad S, Ranjith R
Sprint-4	Customer Support	USN-8	As a customer care executive, I can view the complaints on chat box	2	Medium	Krishnasamy R, Sakthivel S, Sathishkumar S, Shaheen Ahmad S, Ranjith R
Sprint-4		USN-9	As a customer, I should be able solve and reply for the customers queries	1	Low	Krishnasamy R, Sakthivel S, Sathishkumar S, Shaheen Ahmad S, Ranjith R
Sprint-4		USN-10	As a customer, I can close the complaint after assisting	2	Low	Krishnasamy R, Sakthivel S, Sathishkumar S, Shaheen Ahmad S, Ranjith R
Sprint-3		USN-11	As a Administrator, I would take care of registrations and maintenance of accounts	2	High	Krishnasamy R, Sakthivel S, Sathishkumar S, Shaheen Ahmad S, Ranjith R
Sprint-2		USN-12	As a Administrator, I Would resolve issues on Access	1	High	Krishnasamy R, Sakthivel S, Sathishkumar S, Shaheen Ahmad S, Ranjith R

#### 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	5	6 Days	24 Oct 2022	29 Oct 2022	5	29 Oct 2022
Sprint-2	5	6 Days	31 Oct 2022	05 Nov 2022	5	05 Nov 2022
Sprint-3	5	6 Days	07 Nov 2022	12 Nov 2022	5	12 Nov 2022
Sprint-4	5	6 Days	14 Nov 2022	19 Nov 2022	5	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)

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