

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID02289
Project Name	AI powered nutrition analyser 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	Dataset collection	USN-1	Image collection of food items especially fruits	3	Medium	Suganthi Supriya
Sprint-1	Image Preprocessing	USN-2	Generating new data points from existing data(Image augmentation)	2	High	Vinitha shree Visalatchi
Sprint-1	Image Preprocessing	USN-3	Applying image data generator functionality to trainset and test set	4	Low	Supriya Visalatchi
Sprint-1	Modelling	USN-4	Defining the model architecture	8	Medium	Suganthi Vinitha shree
Sprint-2	Modelling	USN-5	Adding CNN layers and testing,saving the model	5	High	Suganthi Supriya Visalatchi Vinitha shree
Sprint-2	Modelling	USN-6	Create database	2	Medium	Visalatchi Supriya
Sprint-2	Development phase	USN-7	Creation of the home page	2	Low	Suganthi Vinitha shree

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Development phase	USN-8	Login and registration page creation	3	Medium	Visalatchi Vinitha shree
Sprint-3	Development phase	USN-9	User input page creation	4	Low	Suganthi
Sprint-3	Development phase	USN-10	Creation of rating and feedback page	3	Medium	Supriya
Sprint-3	Application Phase	USN-11	Importing the flask module	4	Medium	Visalatchi Vinitha shree
Sprint-4	Application Phase	USN-12	Loading the model by creating flask	4	high	Suganthi Vinitha shree
Sprint-4	Application Phase	USN-13	API-integration	5	High	Supriya Visalatchi
Sprint-4	Deployment Phase	USN-14	Cloud deployment	3	Low	Suganthi Visalatchi
Sprint-4	Deployment Phase	USN-15	Check scalability, usability and performance	5	Medium	Visalatchi Suganthi Supriya Vinitha shree

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-1	17	6 Days	24 Oct 2022	29 Oct 2022	
Sprint-2	12	5 Days	31 Oct 2022	04 Nov 2022	
Sprint-3	11	5 Days	05 Nov 2022	9 Nov 2022	
Sprint-4	17	6 Days	10 Nov 2022	15 Nov 2022	

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)

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.

Sprint planning

