

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

Team ID	PNT2022TMID12789
Project Name	Nutrition Assistant Application
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Setting Up Application Environment	USN-1	To create lots of environments. Create or Enrolment to the IBM cloud, Docker CLI installation, create an account in SendGrid and Nutrition API, etc.,	4	High	Madhesh K
Sprint-1	Registration	USN-2	As a user, I can register for the application by entering my email, password, and confirming my password.	4	High	Vishnu Brahman S
Sprint-1		USN-3	As a user, I will receive confirmation email once I have registered for the application	2	Medium	Sabarish G
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	Rahuldravid M

Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	4	High	Madhesh K, Sabarish G
Sprint-2	Profile	USN-6	As a User, I can view and change my profile settings.	2	Medium	Vishnu Brahman S,Rahuldravid
Sprint-2	Upload image	USN-7	As a User, I can upload the food picture to know about it details	4	Medium	Vishnu Brahman S,Rahuldravid
Sprint-3	Prediction result page for food items.	USN-8	Displays the result of the uploaded food picture	7	High	Madhesh K, Sabarish G
Sprint-4	View history of food items.	USN-9	Gives a Consolidated view of previously searched food items.	4	Medium	Vishnu Brahman S,Rahuldravid

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	5 Days	25 Oct 2022	30 Oct 2022	20	27 Oct 2022
Sprint-2	20	5 Days	1 Nov 2022	05 Nov 2022	20	2Nov 2022
Sprint-3	20	5 Days	07 Nov 2022	12 Nov 2022	20	11 Nov 2022
Sprint-4	20	5 Days	13 Nov 2022	18Nov 2022	20	18 Nov 2022

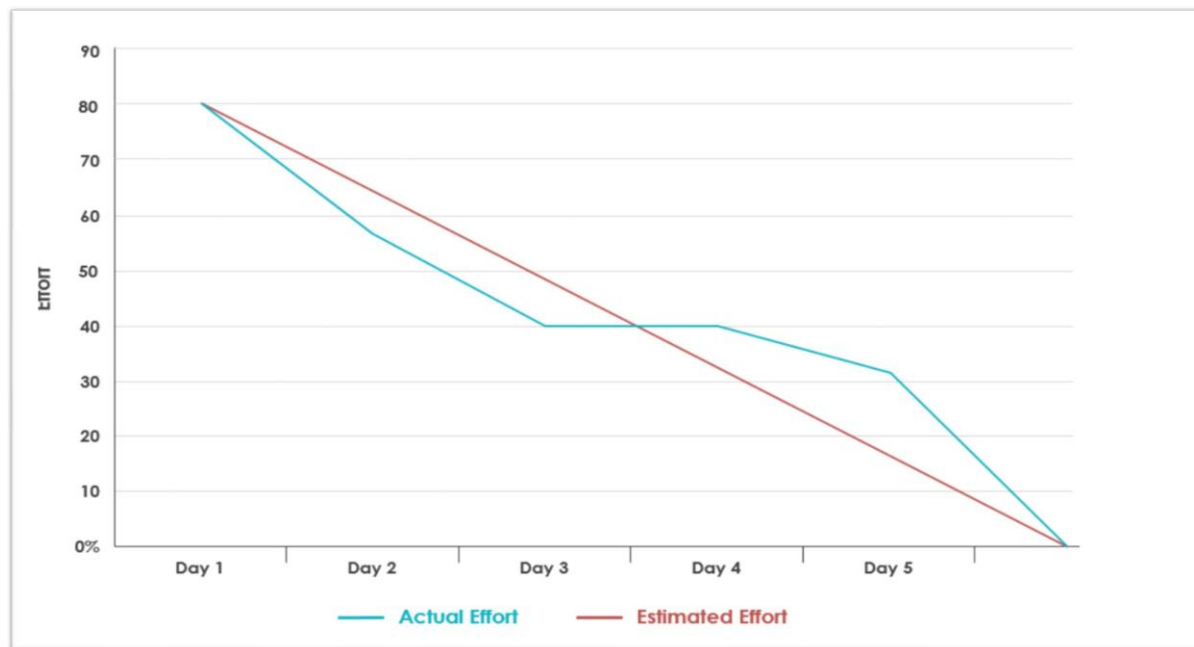
Velocity:

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 burndown 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, burndown charts can be applied to any project containing measurable progress over time.



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IN 11/15/2022

