Project Planning Phase Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)

Date	28 October 2022
Team ID	PNT2022TMID14919
Project Name	Project Name Project – 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.	2	High	Likhith Selva Balaji Rethick Sammrat
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application.	1	High	Likhith Selva Balaji Rethick Sammrat
Sprint-1	User details	USN-3	As a user, I can log into the application by entering email & password.	1	High	Likhith Selva Balaji Rethick Sammrat
Sprint-2	Login	USN-4	As a user, I can fill the Details.	2	High	Likhith Selva Balaji Rethick Sammrat
Sprint-3	Push notification	USN-5	As a user, I can fill the Details.	2	Medium	Likhith Selva Balaji Rethick

						Sammrat
Sprint-4	Shown the nutrition Recipe for scanned food	USN-6	As a user, I can scan the food an get the nutrition details and recipe for related scanned	1	High	Likhith Selva Balaji Rethick Sammrat

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)

$$Av = \frac{\text{Sprint duration}}{\text{Velocity}} = \frac{20}{10} = 2$$

Average Velocity = Story Points per Day

Sprint Duration = Number of (Duration) days per Sprint

Velocity = Points per Sprint

$$AV = \frac{20}{6} \approx 4$$

Therefore, the **AVERAGE VELOCITY IS 4 POINTS PER SPRINT**

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.

	Initial estimate						
Spring number	Day 0	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
Sprint-1	20	0	10	5	3	1	1
Sprint-2	20	2	10	4	1	1	2
Sprint-3	20	5	5	5	5	0	0

Sprint-4	20	3	3	3	3	3	5
Remaining effort	80	70	42	25	13	8	0
Ideal effort	80	66.66666667	53.33333333	40	26.66666667	13.33333333	0