

PROJECT PLANNING PHASE

(PRODUCT BACKLOG , SPRINT PLANNING , STORIES , STORY POINT)

DATE	31 OCTOBER 2022
TEAM ID	PNT2022TMID42395
PROJECT NAME	NUTRITION ASSISTANT APPLICATION
MAXIMUM MARKS	8 MARKS

Product Backlog, Sprint Schedule, and Estimation :

SPRINT	FUNCTIONAL REQUIREMENTS (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 E-Mail, Password & Confirming my Password.	2	HIGH	Mugesh K Ajay Jothi S Gowtham Raj S Iniyan K
SPRINT-1		USN-2	As a User, I will Receive Confirmation E-Mail Once I have Registered for the Application.	1	HIGH	Mugesh K Ajay Jothi S Gowtham Raj S Iniyan K
SPRINT-1	Login	USN-3	As a User, I can Log into the Application by Entering E-Mail & Password.	1	HIGH	Mugesh K Ajay Jothi S Gowtham Raj S Iniyan K
SPRINT-2	User Details	USN-4	As a User, I can Fill the Details.	2	HIGH	Mugesh K Ajay Jothi S Gowtham Raj S Iniyan K

SPRINT-3	Push Notification	USN-5	As a User, I will Search the Food Items.	2	MEDIUM	Mugesh K Ajay Jothi S Gowtham Raj S Iniyan K
SPRINT-4	Shown the Nutrition Details & Recipe for Scanned Food	USN-6	As a User, I can Scan the food and Get the Nutrition Details & Recipe for Related Scanned Foods.	1	HIGH	Mugesh K Ajay Jothi S Gowtham Raj S Iniyan K

PROJECT TRACKER, VELOCITY & BURNDOWN CHART :

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	20	05 Nov 2022
Sprint-3	20	6 days	12 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 days	19 Nov 2022	19 Nov 2022	20	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) .

Average Velocity = Story Points per Day

Sprint Duration = Number of (Duration) days per Sprint

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

Velocity = Points per Sprint

$$\text{AV} = \frac{20}{5} \approx 4$$

THEREFORE, THE AVERAGE VELOCITY **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	24 - OCT	25 - OCT	26 - OCT	27 - OCT	28 - OCT	29 - OCT
SPRINT 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

