Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID52470
Project Name	Project - AI-Powered Nutrition Analyzer for Fitness Enthusiasts
Maximum Marks	8 Marks

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

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	Pre-requisites For model building	USN-0	As a developer I have to collect different type of data possible and other data supporting the mode	2	High	Abinaya R, Prasanna M
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	Haritha N, Venkateshwari RMS
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Abinaya R, Prasanna M
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	Haritha N, Venkateshwari RMS
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Mediu m	Abinaya R, Prasanna M
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Haritha N, Venkateshwari RMS
Sprint-2	Model Building	USN-6	Development of the model with the prepared data set	2	High	Abinaya R, Prasanna M
Sprint-2	Main Interface	USN-7	As a user I can view my calorie intake by clicking photo of the food I eat	2	High	Haritha N, Venkateshwari RMS
Sprint-2	Package, Dashboard	USN-8	As a user I can choose variety of packages based on my requirement	2	Mediu m	Abinaya R, Prasanna M
Sprint-3	Diet Plan for free users	USN-9	As a dietitian I provide daily plans for the betterment of the user	2	High	Haritha N, Venkateshwari RMS
Sprint-3	Personalized user food habit -based diet plan for premium users	USN-10	As a Premium User, I can choose to follow diet plan based on my food habits or the generalized on	1	Mediu m	Abinaya R, Prasanna M
Sprint-2	User image Analysis	USN-11	As a user I can track my calorie intake, and know about my food in detail.	2	High	Haritha N, Venkateshwari RMS
Sprint-3	Improve efficiency of AI model	-	As a developer I have to give a better model that will analyse food	-	-	

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
			precisely and provide accurate results			
Sprint-2	User Analysis record	USN-12	As a user, I can check the previous records and I can analyse my food habits	1	Medium	Abinaya R, Prasanna M
Sprint-4	Fitness tips and basic exercises	USN-13	As a user I can follow some fitness tips and I can maintain weight as required	2	Medium	Haritha N, Venkateshwari RMS
Sprint-4	Home remedies	USN-14	As a user I can follow some natural home remedies for common diseases like (cold, cough, fever) and treat myself	2	High	Abinaya R, Prasanna M
Sprint-4	Optimize the user experience with the app	USN-15	As a developer I have to provide clean and smooth interface to my user	2	High	Haritha N, Venkateshwari RMS
Sprint-	Payment Gateway for purchasing package	USN-16	As a developer I have to create an environment which makes user feel ease to complete his/her Payments with various Payment options	1	Medium	Abinaya R, Prasanna M

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	6 Days	24 Oct 2022	29 Oct 2022	20	28 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	04 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	11 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	17 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)

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

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.

An approximate work plan in burndown