Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID46130
Project Name	Project – AI-powered Nutrition Analyzer 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	Creating of HTML pages	USN-1	As a user, I can use the application to know the nutrition value of Fruit.	1	High	Krishnasamy R, Sakthivel S, Sathishkumar S, Shaheen Ahmad S, Ranjith R
Sprint-1		USN-2	As a user, I can view the nutrition level of the fruit by scanning the fruit	1	High	Krishnasamy R, Sakthivel S, Sathishkumar S, Shaheen Ahmad S, Ranjith R
Sprint-2	Building Python	USN-3	As a Task, I can build a python code to analysis the given test cases to get model.	2	Medium	Krishnasamy R, Sakthivel S, Sathishkumar S, Shaheen Ahmad S, Ranjith R
Sprint-2		USN-4	As a Task, I need to train my model for better accuracy of result.	1	High	Krishnasamy R, Sakthivel S, Sathishkumar S, Shaheen Ahmad S, Ranjith R
Sprint-3	Flask App Creation	USN-5	As a Task, I need to build a flask web app for localhost to serve the web pages in the browser.	2	High	Krishnasamy R, Sakthivel S, Sathishkumar S, Shaheen Ahmad S, Ranjith R
Sprint-4	Train Model On IBM Cloud	USN-6	As a Task, I have to train the model on IBM cloud to generate the model and Deploy in the cloud space.	2	High	Krishnasamy R, Sakthivel S, Sathishkumar S, Shaheen Ahmad S, Ranjith R

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	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	20	6 Days	14 Nov 2022	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)

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

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.

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/

https://www.atlassian.com/agile/tutorials/burndown-charts

Reference:

https://www.atlassian.com/agile/project-management

https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software

https://www.atlassian.com/agile/tutorials/epics

https://www.atlassian.com/agile/tutorials/sprints

https://www.atlassian.com/agile/project-management/estimation

https://www.atlassian.com/agile/tutorials/burndown-charts