Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID30135
Project Name	Project - TRIP BASED FUEL CONSUMPTION PREDICTION
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 using email and password	4	High	Harish Kumar R
Sprint-2		USN - 2	As a user, I can register using Gmail	2	Medium	Karthikeyan S
Sprint-1		USN - 3	As a user, I will receive confirmation email once I have registered for the application	1	Low	Harish Kumar R
	Login	USN - 4	As a user, I can login to my dashboard through email id and password	2	High	Mugundaan K
	Dashboard	USN - 5	I can access my account details on dashboard	1	Low	Karthikeyan S
Sprint-2	Prediction Model	USN - 6	Once I enter the dashboard I can input values for a single sample prediction	8	High	Logeshwaran K M
Sprint-3		USN - 7	I can input values via excel sheet for multiple sample prediction as per the template and perform prediction	6	Medium	Karthikeyan S

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Sprint-1		USN - 3	As a user, I will receive confirmation email once I have registered for the application	1	Low	Harish Kumar R
	Login	USN - 4	As a user, I can login to my dashboard through email id and password	2	High	Mugundaan K
	Dashboard	USN - 5	I can access my account details on dashboard	1	Low	Karthikeyan S
		USN - 8	As a user I can get visual representation of the prediction	4	Medium	Logeshwaran KM
	Report Generation	USN - 9	As a user I can view the detailed report of my prediction	3	High	Mugundaan K
Sprint-4	RestAPI	USN - 10	As a developer, I can use API Token to send request to the server	3	Low	Karthikeyan S
	Documentation	USN - 11	As a user I can refer to the documentation and user manual for support and guidance	4	High	Logeshwaran KM
		USN - 12	As a developer, I can refer to technical Documentation for understanding the application flow	6	Medium	Harish Kumar 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	8	6 Days	24 Oct 2022	29 Oct 2022		
Sprint-2	10	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	13	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	13	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 = Velocity / Sprint duration

Sprint	Average Velocity
Sprint 1	1.33
Sprint 2	1.67
Sprint 3	2.17
Sprint 4	2.17

Total Average Velocity = 1.83

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