

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID35529
Project Name	Project - Machine Learning Based Vehicle Performance Analyzer
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	Dataset Collection		Collect the dataset containing the vehicle's information	10	High	Adhitya Raj Akash D Kabilan Naveen
Sprint-1	Dataset Preprocessing		Preprocess the dataset to get data ready to be trained with the machine learning model	5	High	Adhitya Raj Akash D Kabilan Naveen
Sprint-2	User Registration and Login	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	3	High	Adhitya Raj Akash D Kabilan Naveen
Sprint-2		USN-2	As a user, I can register for the application through form and Google O-auth	5	Low	Adhitya Raj Akash D Kabilan Naveen
Sprint-2		USN-3	As a user, I can log into the application by entering email & password	2	High	Adhitya Raj Akash D Kabilan Naveen

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	User Confirmation	USN-4	As a user, I will receive confirmation email once I have registered for the application	3	High	Adhitya Raj Akash D Kabilan Naveen
Sprint-2	Model Building		ML Model building is done	7		Adhitya Raj Akash D Kabilan Naveen
Sprint-3	Vehicle Data Collection	USN-5	As a user, I can enter my inputs through a form in the application	2	Medium	Adhitya Raj Akash D Kabilan Naveen
Sprint-3		USN-6	As a user, I can send my input data to the Server	3	Medium	Adhitya Raj Akash D Kabilan Naveen
Sprint-3	Query Processing	USN-7	The system can predict the expected mileage using the ML model chosen.	5	High	Adhitya Raj Akash D Kabilan Naveen
Sprint-3		USN-8	The system can look for newer cars that are similar to the current model	5	Low	Adhitya Raj Akash D Kabilan Naveen
Sprint-4	Report Generation	USN-9	The system can show the expected mileage, and graph the expected mileage throughout time	7	High	Adhitya Raj Akash D Kabilan Naveen
Sprint-4		USN - 10	The system can suggest similar car models from the database	8	Low	Adhitya Raj Akash D Kabilan Naveen
Sprint-4		USN - 11	As a user, I can view the Analysis reports of the vehicles and the suggested car models in the application	5	High	Adhitya Raj Akash D Kabilan

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	15	6 Days	24 Oct 2022	29 Oct 2022	10	30 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	15	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022		

Velocity:

AV (Sprint-1) = $15/6 = 2.5$

AV (Sprint-2) = $20/6 = 3.33$

AV (Sprint-3) = $15/6 = 2.5$

AV (Sprint-4) = $20/6 = 3.33$

Burndown Chart:

IBM-VehiclePerforman...
Software project

PLANNING

Roadmap

Backlog

Board

DEVELOPMENT

Code

Project pages

Add shortcut

Project settings

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Projects / IBM-VehiclePerformanceAnalyser

IV Sprint 2

Q K 👤

⚡ ☆ ⌚ 5 days remaining Complete sprint ⋮

GROUP BY None ▾ Insights

TO DO 4 ISSUES

Login Page creation

IV-3 8

User Login and Registration process

IV-4 3

Account creation Confirmation

IV-5 2

Building the ML model

IV-6 7

IN PROGRESS

DONE ✓

Sprint progress ? ▾

0% done

Done	In progress	Not started
0%	0%	100%

Sprint burndown BETA ? ▾

0 points done, 3 points to go ⚠️ Heads up



Epic progress