Project Design Phase
Problem−SolutionFitTemplate

Date	07NOV2025
TeamID	NM2025TMID06118
ProjectName	Garage Management System
MaximumMarks	4Marks

ProductBacklog,SprintSchedule,andEstimation(4Marks)

Sprint	Functional Requirement (Epic)	User Story Number	UserStory /Task	Story Points	Priority	Team Members
Sprint-1	Customer & Vehicle Registration	USN-1	Asanadmin,Icanregister new customers and their vehicles in the system.	3	High	Rahul K
Sprint-1	Service Category Management	USN-2	As a garage manager, I can add and manage different service categories (e.g., repair,wash,maintenance).	2	High	Rahul K
Sprint-2	JobAssignment	USN-3	As a manager, I can assign jobstomechanicsbasedon skill and availability.	3	High	Vijay Louise
Sprint-2	Inventory Tracking	USN-4	Asanadmin,Icanupdate and monitor spare parts inventory.	4	High	Vijay Louise
Sprint-3	Billingand Payment	USN-5	Asacashier,Icangenerate invoices and manage payments after services.	4	Medium	Mohammad imrankhan
Sprint-3	Notification System	USN-6	Asacustomer,Icanreceive SMS or email notifications about service status and completion.	3	Medium	Mohamad imrankhan
Sprint-4	Reports& Feedback	USN-7	Asamanager,Icangenerate daily/weekly reports and viewcustomerfeedback.	2	Low	Murugesan

ProjectTracker,Velocity&BurndownChart(4Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date(Planned)	Story Points Completed (as on PlannedEndDate)	SprintRelease Date(Actual)
Sprint-1	15	6Days	01NOV 2025	06NOV 2025	15	06NOV 2025
Sprint-2	18	6Days	07NOV 2025	12NOV 2025	18	12NOV 2025
Sprint-3	20	6Days	13NOV 2025	18NOV 2025	19	18NOV 2025
Sprint-4	15	6Days	19NOV 2025	24NOV 2025	15	24NOV 2025

VelocityCalculation

AverageVelocity= (TotalStoryPointsCompleted)/(TotalDurationinDays)
=(67StoryPoints)/ (24Days)=**2.79Points/Day**

Burndown Chart

A**BurndownChart**representstheworkremaining versustimeacrosssprints. Inthisproject,taskssuchasregistration, jobmanagement,billing,andreportingaretrackedto ensure continuous progress. Ithelpstheteammaintaintimelydeliveryandidentifyworkflowbottlenecks.

References:

https://www.visual-paradigm.com/scrum/what-is-agile-software-development

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

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

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