

Project Design Phase Problem–SolutionFitTemplate

Date	01NOV2025
TeamID	NM2025TMID03923
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	N. Durga Mahendra
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	R.S.S. Manoj
Sprint-2	JobAssignment	USN-3	As a manager, I can assign jobstomechanicsbasedon skill and availability.	3	High	N. Gowtham
Sprint-2	Inventory Tracking	USN-4	Asanadmin,Icanupdate and monitor spare parts inventory.	4	High	O.Sravani
Sprint-3	Billingand Payment	USN-5	Asacashier,Icangenerate invoices and manage payments after services.	4	Medium	N. Durga Mahendra
Sprint-3	Notification System	USN-6	Asacustomer,Icanreceive SMS or email notifications about service status and completion.	3	Medium	R.Kiran
Sprint-4	Reports& Feedback	USN-7	Asamanager,Icangenerate daily/weekly reports and viewcustomerfeedback.	2	Low	O.Sravani

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** represents the work remaining versus time across sprints. In this project, tasks such as registration, job management, billing, and reporting are tracked to ensure continuous progress. It helps the team maintain timely delivery and identify workflow bottlenecks.

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>