Project Planning Phase

Project Planning Template(product Backlog,Sprint Planning,Stories,Story Points)

Date	30 October 2025
Team ID	NM2025TMID03420
Project Name	Garage Management Sytem
Maximum Marks	5 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	Customer & Vehicle Management	GMS-1	As an admin, I can register new customers and add their vehicle details for service tracking.	3	High	M.Kaviyarasi
Sprint-1	Service Booking	GMS-2	As a service advisor, I can create service bookings and generate job cards with assigned technicians.	4	High	S.Yuvasri
Sprint-2	Technician Assignment	GMS-3	As a manager, I can assign jobs to available technicians and update service progress.	3	High	P.Kaviyapriya
Sprint-2	Inventory Management	GMS-4	As an inventory manager, I can track spare parts, update	4	High	K.Ananthi

Sprint						
			stock, and receive low-stock alerts.			
Sprint-3	Billing & Invoicing	GMS-5	As a cashier, I can generate invoices for completed jobs and record payments digitally.	3	High	K.Ananthi
Sprint-3	Notification System	GMS-6	As a customer, I can receive SMS or email notifications for booking confirmations and completion alerts.	2	Medium	P.Kaviypriya
Sprint-4	Reporting & Analytics	GMS-7	As an admin, I can view reports on job performance, customer visits, and monthly revenue.	3	High	M.Kaviyarasi
Sprint-4	Documentation	GMS-8	As a developer, I want to prepare project documentation and summarize results for submission.	2	Medium	S.Yuvasri

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	18	6 Days	01 Nov 2025	06 Nov	18	06 Nov 2025

				2025		
Sprint-2	20	6 Days	07 Nov 2025	12 Nov 2025	19	12 Nov 2025
Sprint-3	20	6 Days	13 Nov 2025	18 Nov 2025	20	18 Nov 2025
Sprint-4	20	6 Days	19 Nov 2025	24 Nov 2025	20	24 Nov 2025

Velocity

Average velocity = (Total Story Points Completed) / (Total Duration in Days)

Total: 77 points over 24 days → **Velocity = 3.2 points/day**

Burndown Chart:

A **Burndown Chart** represents the remaining work (story points) against time for each sprint in the Garage Management System project.It helps visualize sprint progress, track task completion, and predict if the team is on schedule.The Garage Management System showed a consistent velocity across sprints, with minor variations in Sprint-2 due to integration testing. By Sprint-4, the project achieved full completion of planned story points, meeting the release targets successfully.

https://www.salesforceben.com/garage-management-system-using-salesforce-platform/
https://www.aws.amazon.com/architecture/garage-management-system-on-aws/

Reference:
https://www.researchgate.net/publication/garage_management_system_architecture_design
https://developer.salesforce.com/blogs/garage-system-architecture
https://medium.com/@techgarage/garage-management-system-design-and-implementation
https://www.geeksforgeeks.org/garage-management-system-project/
https://www.sciencedirect.com/science/article/pii/S1877050920300000
https://www.ibm.com/cloud/architecture/garage-management-system