PROJECT PLANNING

Date	**23 October 2025**
Team ID	**NM2025TMID02573**
Project Name	**Garage Management System**
Maximum Marks	**2 Marks**

Introduction :

The Garage Management System (GMS) project aims to design and implement a comprehensive software solution that streamlines and automates the daily operations of vehicle service centers and garages. Managing appointments, tracking vehicle service histories, handling inventory, generating invoices, and communicating with customers are often done manually or using fragmented tools, leading to inefficiencies, errors, and delays. This project seeks to address these challenges by creating a centralized, user-friendly system that improves operational efficiency, reduces administrative workload, and enhances the overall customer experience.

The project planning phase is crucial for defining the scope, objectives, deliverables, timeline, resources, and risk management strategies to ensure successful implementation. It involves gathering requirements from stakeholders, analyzing current processes, and identifying key features and functionalities needed in the system. Additionally, planning includes task scheduling, allocating responsibilities to the development team, and establishing milestones to track progress. By carefully planning the project, potential issues can be anticipated and mitigated, ensuring that the Garage Management System is delivered on time, within budget, and meets the expectations of garage owners, mechanics, and customers.

Sprint Schedule :

The project is divided into short, iterative sprints of one to two weeks. Each sprint focuses on a specific module of the system to ensure incremental progress and regular feedback.

- **Sprint 1**: Development of Customer and Vehicle modules.
- **Sprint 2**: Service Booking and Service Records functionality.
- **Sprint 3**: Billing and Feedback automation.
- **Sprint 4**: Dashboard creation, testing, and deployment.

At the end of each sprint, progress is reviewed, and adjustments are made to accommodate any new requirements or improvements identified during testing and stakeholder evaluation.

Effort Estimation

Effort estimation was carried out using the story point method, where each backlog item was assigned a complexity value based on the time and resources required. Simple tasks such as creating objects and fields were given lower estimates, while automation and testing were assigned higher points. This estimation helped in efficient time management and workload distribution among team members. It also provided a realistic understanding of project timelines and potential risks, ensuring that all objectives were achieved within the planned schedule.

Conclusion

Through structured backlog management, sprint planning, and precise estimation, the project planning phase ensures smooth and organized execution of the Garage Management Project. This systematic approach facilitates faster delivery, higher quality, and adaptability to changing requirements within the Salesforce development environment.