**<Parking Management System>**

**(Project Proposal)**

**Project Number****:**

**Group No. 7**

**Submitted To:**

**Mam Sadaf Naeem**

**Project Team:**

|  |  |
| --- | --- |
| Abdur Rehman | 231370155 |
| Rehan Ahmed | 231370156 |
| Mahad Ahmad | 231370157 |

**Submission Date:**

**08-DEC-2024**

**Table of Contents**

[1. Project Scope 3](#_Toc184107804)

[2. Work Breakdown Structure 3](#_Toc184107805)

[3. Gantt Chart 3](#_Toc184107806)

# **Project Scope**

The system will provide features like real-time parking availability updates, online booking, navigation to parking spaces, and secure payment options. It will not include functionalities like vehicle maintenance, parking lot construction, or traffic law enforcement. Its focus is strictly on managing parking operations efficiently and improving user convenience.

# **Work Breakdown Structure**

1.1 Requirement Gathering: Must be completed before starting Stakeholder Interviews and all design tasks.

1.2 Stakeholder Interviews: Feeds into System Design to refine requirements.

2.1 Database Design: Requires outputs from Requirement Gathering and informs Backend Architecture and Backend Development.

2.2 Frontend Design: Relies on Requirement Gathering and supports Frontend Development.

2.3 Backend Architecture**:** Needs Database Design and impacts Backend Development and Connect to Backend.

3.1 Frontend Development: Depends on Frontend Design and must align with Connect to Backend.

3.2 Connect to Backend: RequiresFrontend Development andBackend Development for full integration.

3.3 Backend Development: Relies onBackend Architecture andDatabase Design to build functionality.

# **Gantt Chart**

MS Excel file is attached with this file.

**NOTE:**

1. You may attach the excel sheet link in the 3rd section or submit it separately along with word file.