**UE21CS351A: Database Management System**

**MINI PROJECT USER REQUIREMENT SPECIFICATION**

**(*PES Canteen Pre-Booking System)***

***SEMESTER:* 5**

***SECTION:* A**

***TEAM NUMBER:* 23**

***TEAM:* *SRN:***

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***1.Introduction***

***Purpose Of The Project***

The primary purpose of the project is to address key challenges faced in the PES college canteens. These challenges include alleviating overcrowding, improving efficiency, and enhancing the overall canteen experience for both students and staff. By implementing a canteen pre-booking system, the project aims to:

Reduce Overcrowding: By allowing users to pre-order food, the system aims to reduce long queues and overcrowding in the canteens during peak hours.

Save Time: Users can save valuable time by pre-booking their meals, minimizing waiting times and allowing for quick and convenient meal pickups.

Enhance Ordering Convenience: The system will make it easier for users to browse menus, place orders, and make payments through a user-friendly interface, accessible via web or mobile devices.

Improve Canteen Management: Canteen staff will benefit from streamlined order processing and better inventory management, leading to increased efficiency and reduced wastage.

***Scope Of The Project***

The scope of the project encompasses the development and implementation of a comprehensive canteen pre-booking system tailored to the specific needs of PES college. This system will cover the following aspects:

User Registration and Authentication.

Canteen Management, including canteen details and staff management.

Menu Management, allowing canteen staff to update and maintain menu items.

Ordering and Order Management for users and canteen management

User Account Management for profile updates and order history.

2.Project Description

* Project overview
* Major project functionalities

3.System Features and Function Requirements

* System Feature 1 (Description of feature and **Functional Requirement** \*\*)
* System Feature 2 (Description of feature and **Functional Requirement** \*\*) and so on.

\*\***Functional Requirement**: Primarily includes the entities involved and the necessary input required for execution of a particular feature.