Synopsis on

College Canteen Management System

For

ZEAL College Canteen

By

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Submitted to

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

For the partial fulfillment of the internal credit work of

MASTERS OF COMPUTER APPLICATION

SEM – IV

Through

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Zeal Institute of Business Administration, Computer Application & Research (ZIBACAR)

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(Approved by A.I.C.T.E., New Delhi, Recognized by DTE, Govt. Maharashtra & Affiliated to S.P.P.U. Pune)

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Project Synopsis		
A.	Course Name	Master of Computer Application (IVth Semester)
B.	Student's Name	Khairnar Akshay Popat
C.	Roll No	MC232531
D.	Project Title	College Canteen Management System
E.	Name of Internal guide	Prof. Ashok Devokar
F.	Name of External guide	Prof.Ashok Devokar
G.	Name of Organization	Zeal College Canteen
H.	Date of Submission	01/02/2025
Organization Profile		
1.	Name	Zeal College Canteen
2.	Location	Zeal College-Pune
3.	About Organization	Spacious and well-equipped canteen facility is available at Zeal campus. A complete and planned meal is served in neat, clean and hygienic surroundings. Apart from north and south Indian nutritious break-fast, lunch and dinner, Tea, coffee and soft drinks along with snacks are also available. All the items are reasonably priced. Monthly Mess facility is also available for the students as well as staff members.

Project Details

1. Abstract

The **College Canteen Food Ordering System** is a web-based application designed to modernize and streamline the food ordering process in college canteens. The primary goal is to reduce manual work and long queues, especially during peak hours, by allowing students and staff to order food online from registered canteen restaurants.

The system allows multiple **canteen owners** to register their shops, manage their menu, track daily collections, and handle orders efficiently. Customers (students and staff) can browse available food items, place orders online, and receive real-time order status updates. Additionally, a **counter-based token system** for offline orders ensures organized food pickup, minimizing wait times.

By integrating this system, the college can enhance the dining experience, improve operational efficiency, and promote digital transformation in the canteen ecosystem.

2. Existing System

The current canteen food ordering process in most colleges is manual and inefficient, leading to various challenges for both students and canteen owners. Some common issues in the existing system include

Manual Ordering Process:

o Students and staff place orders by physically visiting the canteen, leading to long queues, especially during peak hours.

o Orders are often managed through verbal communication or written records, increasing the risk of miscommunication and errors.

No Digital Menu or Ordering System:

o Customers cannot browse available food items online.
o They have to rely on physical menus or ask the staff directly.

Limited Order Management for Canteen Owners:

o Orders are taken manually, making it difficult to track daily collections and inventory.

o There is no real-time order tracking system, leading to delays and confusion in food preparation.

Inefficiency in Peak Hours:

o Due to high student traffic during lunch and break hours, long waiting times frustrate students and slow down service.

o Some students may miss their orders due to excessive crowding.

Need for Improvement

Due to these inefficiencies, a College Canteen Food Ordering System is required to automate the process, allowing students to place orders online, canteen owners to manage their food items efficiently, and reduce queue times using a counter-base

3. Proposed System

The proposed system is a web-based food ordering application that allows students and staff to order food online from registered canteen restaurants, reducing manual processes, long queues, and order mismanagement. This system enables canteen owners to manage orders, track daily collections, and streamline food preparation efficiently.

4. Scope of the System

- Customers can easily browse the different food items available in the menu.
- Customers can view the price of food items before placing an order.
- Customers can place orders through the application and receive confirmation along with delivery or pickup details.
- Canteen owners can log in to manage their shop, food items, and customer orders.

5. Objective of the System

- To allow students and staff to browse and order food online.
- To provide order placement with real-time confirmation and status updates.
- To automate the food preparation and pickup process, reducing waiting time.
- To help canteen owners manage customer orders and daily collections.
- To enable canteen owners to manage their food menu, including item availability and pricing.

6. Environment

- **Operating System:**Windows
- **Front end:** HTML CSS JAVASCRIPT
- **Back end:** Django (5.1.5), Python (3.1.1)
- **Database:** Sqlite
- **Tools:** VScode

Date: 01 /02/2025

Project Guide	**Project Coordinator**	**Student**
Prof. Ashok Devkar	Dr.Shabana Inamadar	Akshay Khairnar