Mini Project Proposal Submission - Guidelines

Approval of the mini project proposal is mandatory to continue and submit the project work.

The mini project proposal should clearly state the project objectives and the environment of the proposed project to be undertaken.

The following documents are to be submitted for approval

1. Proforma for approval of the Mini Project

2. Synopsis/Abstract with following contents

    (a) Title of the Mini Project
    (b) Introduction/Overview of the Project
    (c) Motivations of the Project
    (d) Problem Definition and Objectives of the Project
    (e) Basic functionalities of the Project
    (f) Project Developing Environment

Note:

1. An editable PDF is given in the 2nd page for filling the Proforma. Fill all the appropriate entries.

2. Template format for preparing the Mini Project Synopsis/Abstract is given in the 4th page of this document.

PROFORMA FOR THE APPROVAL OF THE FIFTH SEMESTER MINI PROJECT

(*Note: All entries of the proforma for approval should be filled up with appropriate and complete information. Incomplete proforma of approval in any respect will be rejected.*)

Mini Project Proposal No :_____
(Filled by the Department)

Batch: 2023-2025

1. Title of the Project : DIGITAL MENU

2. Name of the Guide : MR.BALACHANDRAN K P

3. Register Number of the Students : MES23MCA-2036

4. Date of Submission : 29/07/2024

5. Student Details (in BLOCK LETTERS)

Name	Roll Number	Signature
NEETHU P	36	

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Approval Status : Approved/Not Approved

Comments/Suggestions :

Signature of Committee ,
Members:

First Review Comments/Suggestions :

Second Review Comments/Suggestions :

Final Review Comments/Suggestions :

Dated Signature of Committee Member   Dated Signature of HOD

DIGITAL MENU

1 Introduction

- Restaurant management and dining system will help restaurants to manage and control their whole activities.

- The guest needs to scan the QR code placed at the table in the restaurant's room and the guest can choose the menu.

- Either they can select and put it in the cart and they can place order. Automatically the order will be sent to the kitchen.

- Restaurant management and dining system also helps to restaurant owners and managers manage their day-to-day operations more efficiently.

- This includes managing menus, reservation, payments, staff details.

- Restaurant management and dining system also includes reservation system. A restaurant table booking system enables customers to make reservations for tables at a restaurant in advance.

- This system streamlines the reservation process, enhances customer experience, and helps the restaurant manage its seating capacity more effectively.

2 Motivation

- The growing expectation for convenience and personalization in the dining experience.
- Customers today prefer the ability to access menus, customize orders, and book tables online.
- All while minimizing human interaction and reducing wait times.
- This shift towards contactless dining solutions was further accelerated by global events such as the COVID-19 pandemic, which highlighted the importance of digital tools in maintaining safe and efficient operations.

3 Objective/Problem Statement

- Digital menu system are well-structured
- Also cover key aspects of enhancing the customer experience

- improving order management

- streamlining restaurant operations

- increasing operational efficiency

- boosting customer satisfaction

- facilitating data-driven decision-making.

4   Functionalities

- **<u>Admin</u>**: They can see and control the customers and staff details.

- They can add, change, or remove categories, subcategories, and menu items.

- Admin can also keep an eye on current orders and what's been ordered in the past

- The admin oversees and manages the reservation system, with authority to allocate and adjust table bookings for optimal seating capacity utilization

- **<u>Staff</u>** :They can log in to the system

- They can manage the orders.

- **<u>Customer</u>**: They can create an account (register) and login.

- Customers can update their personal details (like changing their address).

- They can look at the menu, add food item to their cart, can make customization and place order.

- They can make a payment.

- Customers can also see the status of their order.

- They can reserve tables, view previous reservations and cancel reservation.

- They can customize food items

5   Developing Environment

SOFTWARE
- Front End- HTML, CSS
- Back End- Python
- Database- MySQL
- Framework-DJANGO
- Technologies used- JS, HTML5, CSS

HARDWARE
- Processor- Intel core i3
- RAM-4GB
- Hard disk- 1 T B

6   Conclusion

The Restaurant Management and Dining System website using food ordering is increase customer dining experience by fastening the existing restaurant services and simplify the order and bill payment system to minimize the workload of restaurant and hotel owners. with smartphones, customers can access the website and open current menu to order the food. This system will help in reduce the waiting time of customer in restaurant. It will also reduce manual service given by waiters and also eliminating the human made mistakes.