My Mess App

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Abstract - The main aim of the mess is to provide clean and fresh food to the students/employees of the organization. In Today's world the entire Mess Administration and costing calculations are done manually till date. It is very time consuming & increases the chances of performing calculation mistakes. Thus, there arises a need to create software that will make the entire Mess Administration an automated system. This software will be useful to any school/college hostel or in general to any institute maintaining a mess. The Mess Administration System helps the user to access all the functionalities of the mess without having to visit the mess physically and to apply for leave. It enables the admin to view the inventory and access guest details. This application is free of cost for the users. Individuals who wish to use any functionality of the mess can simply log in to the app and have everything on their fingertips. It uses the internet to update all user queries and put it across to the admin. Using the information provided by all the users the admin can take decisions and the inventory for the mess can be managed. The aim of this android based mobile application project is to offer comprehensive information portal about hostel mess. In this system users can download the app on their Smartphone and then they can access the functions of the mess. They can apply for leave and check the menu. They can also access their account information.

1. INTRODUCTION

My Mess is an innovative platform that connects users with nearby mess services, providing a convenient and seamless dining experience. It aims to revolutionize the way people access and enjoy delicious home- cooked meals in their local communities, and improve economic growth.

for ex., many people migrate from one locality to another and they commonly do face a problem of finding the comfort food near them so this platform ensures them to find their mess that serves them best. which will provide ease to students as well as the administration. In this system, the students will be able to make their registration in the mess. They would be able to log in their respective accounts. They will be able to do mess IN/OUT. The admin will have the authority to in/out any student's mess using this app.

2. OBJECTIVES

1. To provide a platform that connects users with reliable and affordable mess services in their local area.

2. To offer enhanced transparency and make it easy for users to find and compare options, this platform provides a comprehensive directory of nearby mess services with detailed information, including menus, pricing, and customer reviews, empowering users to make informed decisions.

3. To focus on mess management infrastructure from the owner's perspective, this will also address mess management.

4. To ensure a hassle-free dining experience, customers can book specific time slots in advance through this platform.

3. PROBLEM DESCRIPTION

The primary challenges in finding and managing mess services include limited accessibility to information about available mess options, lack of transparency regarding the quality and pricing of these services, and inefficient management of mess services. These challenges can be overwhelming, especially for those who are new to an area or have specific dietary requirements.

To address these challenges, there is a need for an application that provides users with an efficient way to discover and manage nearby mess services. Such an application would enable users to access information about available mess options, including pricing, menu, and reviews. It would also allow users to manage their mess services, including making payments and providing feedback.

The proposed application aims to bridge the gap in the current system by providing a user-friendly platform for finding and managing mess services. By leveraging technology, the application would increase accessibility and transparency, making it easier for users to find and manage the perfect nearby mess. This would not only

improve the overall user experience but also contribute to a more efficient and effective mess management system.

The application would have various features, including:

- A comprehensive database of nearby mess services

- User reviews and ratings

- Pricing and menu information

- Payment management

- Feedback mechanism

By providing these features, the application would empower users to make informed decisions about their mess services, ensuring that they have access to quality food at affordable prices. Overall, the proposed application would be a valuable resource for individuals seeking to find and manage mess services efficiently.

4. METHODS

In our project My Mess App, there are three main modules: User, Mess Owner, and Admin.

We will explain each one step by step.

1. User Module

- Users can register on the application.
- After registration, they can view mess details in their profile.
- Users can join or exit a mess whenever they want.
- They can make payments through the application.
- They can apply for leave.
- Users will also receive notifications from the mess owner regarding important updates.

2. Mess Owner Module

- Mess owners can register their messes on the platform.
- They can upload all relevant details related to their mess.
- They can view the list of users who have joined their mess.
- They can manage pending dues for each member.
- Mess owners have the ability to remove any member from their mess.
- They can send notifications to all the joined members.

3. Admin Module

- The admin has full control over the platform.

- Admins can remove users or messes from the platform if any issues arise.

5. LITERATURE REVIEW

1. J. Jayapandian and K. Rajeshwari, 2017 "Online Mess Management System" (International Journal of Computer Science and Mobile Computing) designed and implemented an online mess management system that allows students to book meals in advance, reducing food wastage and improving resource management. The system was implemented using PHP and MySQL.

2. K. Prasad and P. Kumar, 2017 Inventory Management in Mess System Using Cloud Computing (Journal of Computing Technologies) explored the use of cloud computing to manage inventory in mess systems, demonstrating how cloud-based solutions can improve the efficiency of stock management and reduce food wastage by providing real-time inventory updates.

3. Sharma and P. Sinha, 2018 Smart Mess Management System Using IOT (Journal of Emerging Technologies) discussed the integration of Internet of Things (IoT) technologies in mess management systems, presenting a prototype that leverages IoT for real-time monitoring of food consumption and inventory levels.

4. M. Shankar and K. Kiruthika, 2018 Web Based Mess Management System (International Journal of Engineering and Technology) developed a web-based system that integrates meal booking, inventory control, and real-time feedback from users, enhancing operational efficiency in large-scale mess facilities.

5. CONCLUSION

The Mess App significantly enhances the dining experience by providing a convenient and innovative platform for accessing home-cooked meals. By streamlining the process of finding and enjoying local culinary options, it offers users a seamless way to incorporate home-style cooking into their daily lives. The app leverages technology to empower users with detailed information about their dining choices, enabling them to make well-informed decisions tailored to their preferences. Furthermore, it plays a crucial role in supporting and sustaining local food economies by driving business to local mess services. This integration of convenience, user empowerment, and local economic support highlights the Mess App's impact on both individual dining experiences and broader community growth.

6. REFERENCES

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