

PROJECT SYNOPSIS

OF

Meal Tracking System for Mess

INTRODUCTION

The “Meal tracking system for mess” has been developed to override the problem of transparency between the students and the mess. This software is supported to eliminate and in some cases reduce the hardship faced by the existing system. Moreover this system is designed for the need of students and the mess managers to carry out their operation in a smooth and effective manner.

This application is reduced as much as possible to avoid errors while entering the data. It also provides error message while entering invalid data. No formal knowledge is needed for the user to use this system. Thus by this all it proves to be a user-friendly. This leads to error free, secure reliable and fast system.

Every mess has challenge to overcome and managing the information of their students, their bill, their presence/absence their opinions, to notify new updates. Students also face problem in registering their absence for mess, applying for the mess committee, voting for the menu, giving suggestions to the mess. Therefore we designed this “Meal tacking system for mess” to solve those problems. This system is a generalized version for all mess by providing separate mess manager login. Mess manager(after login) can see the daily students who are going to eat today, thus can manage the food being cooked for that particular day, can easily announce any notice to the students, can update the menu as suggested by the mess committee according to the menu vote, can approve the mess committee members and much more.

Similarly for the students, they can register themselves to a particular mess for which they had paid. Then after logging in to their account, they can register their absence in the mess and according to the constraint provided by the mess they will be refunded for their absence, they can apply easily for the mess committee, can vote and rate the meal and many more functionalities.

This system ensures that communication between mess and students can be made easy. This also increases the transparency between the students and the mess. Students can easily track their records of the meal they are taking and mess manager can easily plan their food to be cooked in their mess on daily basis. Ultimately this system will provide a better management and utilization of resources for both mess and the students.

OBJECTIVE

The objectives of the system are-

- To provide an transparent platform for Mess and their Students.
- To reduce operational time.
- Increased accuracy and reliability.
- Increased operational efficiency.

This system can be readily used by students and mess managers to track meal record for each students . This project is used by two types of users

- i. Students.
- ii. Teachers.

Mess manager and Students can create their accounts.

Students can easily register their absence for the mess meal and can get easily refunded for their absence. They can easily apply for the mess committee, can vote for the mess menu on daily as well as monthly basis.

Mess managers easily track daily students eating in the mess and can easily refund their money according to their absence.

This system can be used by any number of messes, so new mess can be registered easily.

MODIFICATION AND IMPROVEMENT OVER THE EXISTING IMPLEMENTATION

Present State:

- No Software present at all.
- Time consumed in accessing the records of the students.
- Headache of mess to refund the money for each and every students.
- Wastage of food due to poor planning of food.

After implementation of project:

- Efficient and easy to track students meal records.
- System itself update the student balance according to the registered absence and some constraints so no headache for mess.
- Better communication between mess and students and increases the transparency.

SCOPE

This project has a large scope as it has the following features which help in making it easy to use, understand and modify it:

- Automation of Balance Refunding.
- No Need to do Paper Work.
- To save the food by tracking students daily meal record.
- To enhance communication between students and mess.
- Management of Student Data.

TOOLS AND TECHNOLOGY USED

Tool:

- **CS50 IDE:** CS50 IDE is a cloud-based Integrated Development Environment powered by Cloud9 that features a cloud-based Ubuntu environment. It features a browser-based editor, which supports syntax highlighting and word completion, a GUI-based GDB debugging, full control over a cloud-based Ubuntu environment, and many more features including themes, customizable layouts, and keyboard shortcuts.
- **PHPMYADMIN:** - phpMyAdmin is a free software tool written in PHP, intended to handle the administration of MySQL over the Web. PhpMyAdmin supports a wide range of operations on MySQL and MariaDB. Frequently used operations (managing databases, tables, columns, relations, indexes, users, permissions, etc.) can be performed via the user interface, while you still have the ability to directly execute any SQL statement.

Technology:

- **PHP:** - It is used open source general-purpose scripting language that is especially suited for web development and can be embedded into HTML.
- **HTML:** - It is used for giving eye catching look to the website. And also providing easy to use GUI.
- **CSS:** - CSS is cascading style sheet which is used to give designer look to HTML using the external file.

REFERENCES

- www.w3schools.com
- www.stackoverflow.com