

MESS MANAGEMENT SYSTEM

SYNOPSIS

Project Definition	Mess Management System
Objective	<p><u>Existing Problems</u></p> <ul style="list-style-type: none">• Due to inaccurate amount of students coming in mess a lot of food gets wasted.• Also insufficient cooked food is a problem in hostel messes. <p><u>Solution to Problems</u></p> <ul style="list-style-type: none">• The goal of this project is to provide accurate and real time number of total students who are coming to have food on a specific day.• The system will provide a UI in which students will be able to select Yes or No for the breakfast, lunch and dinner before the mess management starts cooking the food.

Structure of Project

Environmental Characteristics:

Hardware Requirements	Android OS supported device
Software Requirements	<ul style="list-style-type: none">• Android Platform Version 2.2 and above• Android Development Tools• Android SDK• Android Studio IDE• SQLite

Module Description:

List of Modules:

Admin:

- User(Rector/Student) Management
 - Admin can register new users
 - Admin can edit the information of users
 - Admin can delete any user
- Food Management
 - Admin can add new food in food_tbl
 - food_tbl consists of no. of Utensils used for each food
 - food_tbl also consists of the type of food i.e. Breakfast, Lunch, Dinner
- Food Schedule Management
 - Admin decides the day of food and displays them on schedule
 - Schedule is viewable by Rector and Student
- Notification Management
 - Student get the reminder as push notification 2 hours before the time of Breakfast(7:00 am), Lunch(11:00 am) or Dinner(7:00 pm).
 - The rector gets notification of
 - Total no. of students interested
 - Total no. of utensils required

Rector:

- Calculation of Total no. of Students
 - The total no. of students is calculated and the rector gets notified
 - If a student selects 'Coming' then +1 else 0
- Calculation of Total no. of Utensils
 - The total no. of utensils is calculated and the rector gets notified
 - The total no. of utensils from food_tbl multiplied by total no. of students

Student:

- Confirm/Reject Food Schedule
 - Students get the push notification to select Interested/Not interested before the notification expires.

Users:

User	Description
Admin (User Management, Food Management, Schedule Management)	<ul style="list-style-type: none">• Login/Logout• Add/Update/Delete/View User(Student/Rector)• Add/Update/Delete/View Food Description• Add/Update/Delete View Mess Schedule
Rector(Calculation of Total no. of Students, Calculation of Total no. of Utensils)	<ul style="list-style-type: none">• Login/Logout• View Food Schedule• View automatically calculated total no. of Students interested• View automatically calculated total no. of Utensils
Student (Confirm/Reject Food Schedule)	<ul style="list-style-type: none">• Login/Logout• View Food Schedule• Select Coming/Not Coming• Get Reminder as Push Notification