HOSTEL MESS COUNT REGISTRATION SYSTEM

An app to reduce food wastage and optimize meal planning in hostel messes.

PROJECT OBJECTIVE

- Develop an app for managing hostel mess meals.
- Allow early meal registration to gather accurate meal counts.
- Optimize meal preparation based on registered counts.
- Minimize food wastage by aligning meal preparation with actual demand.

PROBLEM STATEMENT

- Hostel mess management faces challenges due to fluctuating meal counts.
- Overpreparation leads to food wastage, while underpreparation causes inconvenience for students.
- There is a lack of an efficient system to accurately collect and manage meal counts in advance, leading to inefficient meal preparation.

SCOPE

Inclusions:

- A userfriendly website for students to register meals weekly.
- Automatic cutoff time for meal registration (e.g., 9 PM for the next day).
- Realtime meal count updates for mess staff.
- Notifications/reminders for registration deadlines.

Exclusions:

- Payment collection for meals.
- Handling dietary restrictions (optional for future versions).
- Offline registration options.

EXPECTED OUTCOMES

- Reduced food wastage through accurate meal counts.
- Realtime meal registration for optimal food preparation.
- Improved user experience for students.
- Better communication between students and staff.
- Enhanced meal planning for hostel staff.
- Efficient resource utilization and cost savings.

KEY PERFORMANCE INDICATORS (KPIS)

- **Registration Rate**:
  Percentage of students registering meals in advance, indicating system adoption.
- **Meal Accuracy**:
  Compares predicted and actual meal consumption to assess planning..
- **Food Waste Reduction**:
  Reduction in leftover food, indicating the system's impact on minimizing waste.
- **System Reliability**:
  Percentage of uptime and quick resolution of issues, ensuring smooth user experience.
- **User Engagement**:
  Frequency of app usage and feedback, showing user interaction and satisfaction.
- **Operational Efficiency**:
  Improvement in meal preparation processes, leading to faster and more accurate meal service.

TIMELINE

Phase 1: Requirement gathering, research, and initial design.

Phase 2: Frontend and backend development, including database setup.

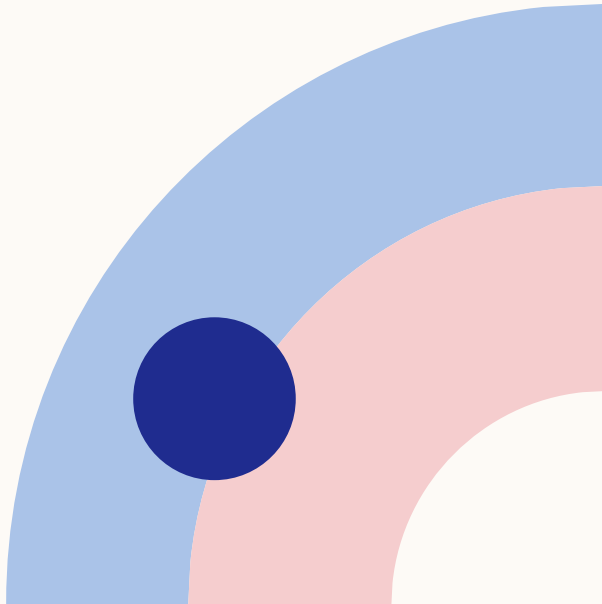
Phase 3: System integration, testing, and bug fixing.

Phase 4: Deployment, user testing, and feedback collection.

Phase 5: Final revisions, documentation, and project submission.

Key Milestones:

1. Prototype Design
2. Frontend Development.
3. Backend Development
4. System Integration
5. Beta Testing
6. Project Submission



TEAM

1. Hana Sharin O – Technical Lead
   Oversees technical direction and system integration.
2. Minha Gafoor – UI/UX Designer
   Focuses on visual design and user experience
3. Fathima Minha Zain – Backend Developer
   Manages backend, database, and registration.
4. Hasil Salam – Quality Analyst
   Conducts testing, fixes bugs, and documents findings.

THANK YOU