



Transform Yourself

**KONGU ENGINEERING COLLEGE**  
**PERUNDURAI ERODE-638060**

**DEPARTMENT OF COMPUTER  
APPLICATIONS**

# **HOSTEL MANGEMENT SYSTEM**

**Guided By:**

**Dr.L.Rahunathan MCA.,Ph.D.,**

**Team Number: 09**

**Team Members :**

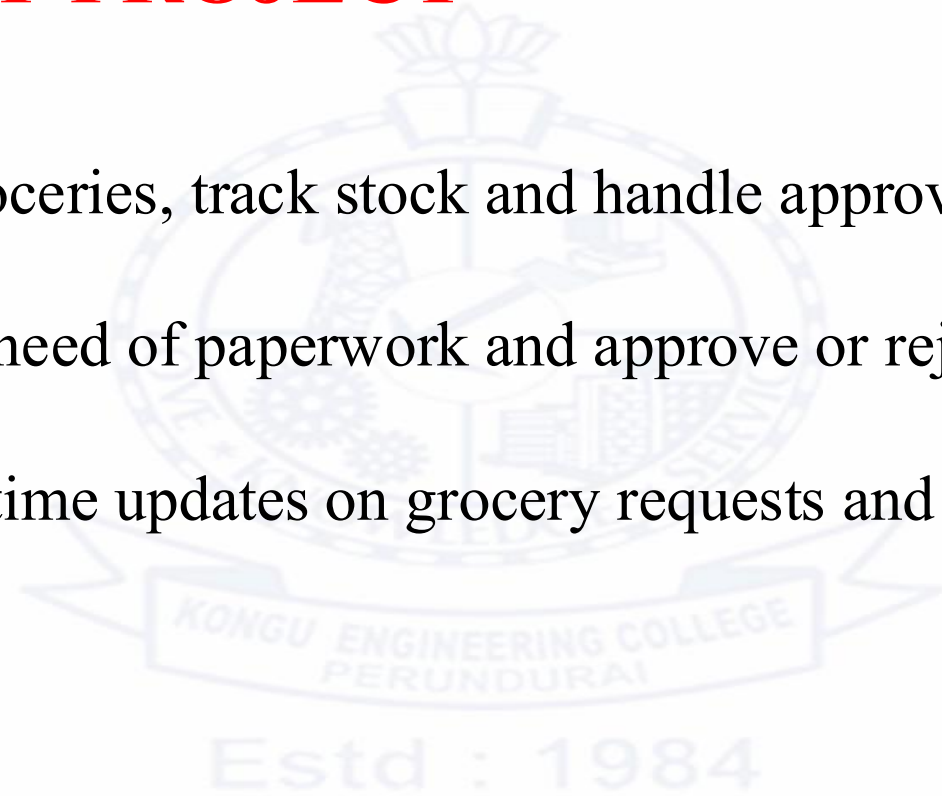
**Bharanidharan B (24MCR010)**

**Iniyan B (24MCR035)**

**Jaya Surya S(24MCR041)**

## OBJECTIVE OF PROJECT

- ❖ To manage groceries, track stock and handle approval logins.
- ❖ To reduce the need of paperwork and approve or reject faster.
- ❖ To allow real-time updates on grocery requests and to manage the stock levels



## EXISTING SYSTEM

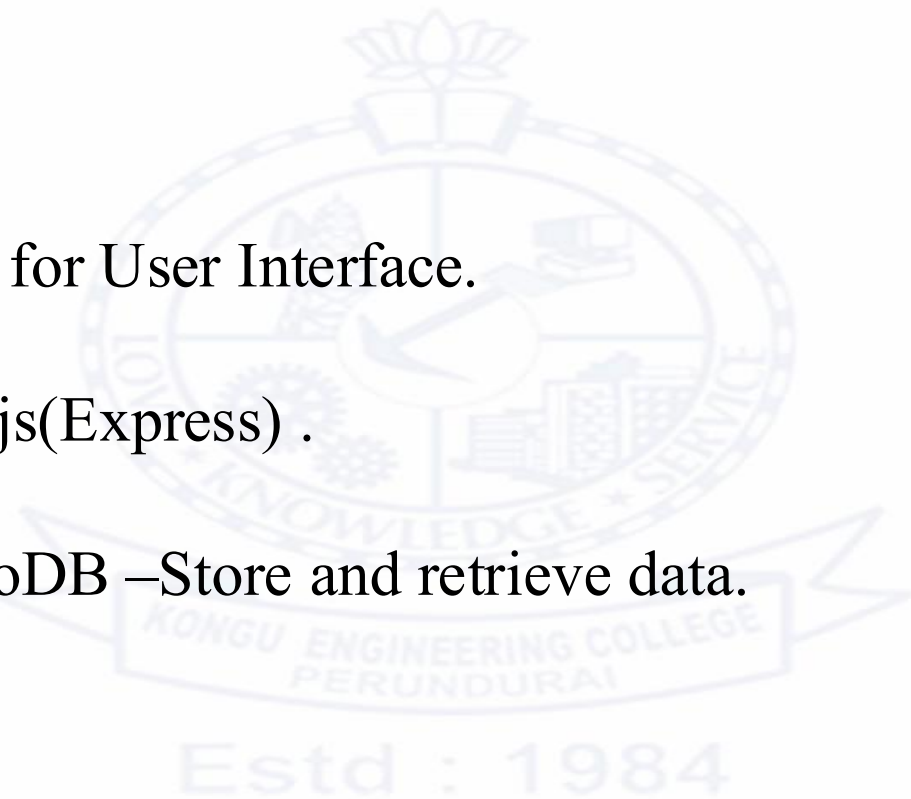
- ❖ Grocery requests, stock updates, and approvals are done on paper.
- ❖ Approvals take a long time because everything is handled manually.
- ❖ Hard to quickly check the status of requests or stock levels
- ❖ Mistakes happen due to miscommunication or lost records.

## PROPOSED SYSTEM

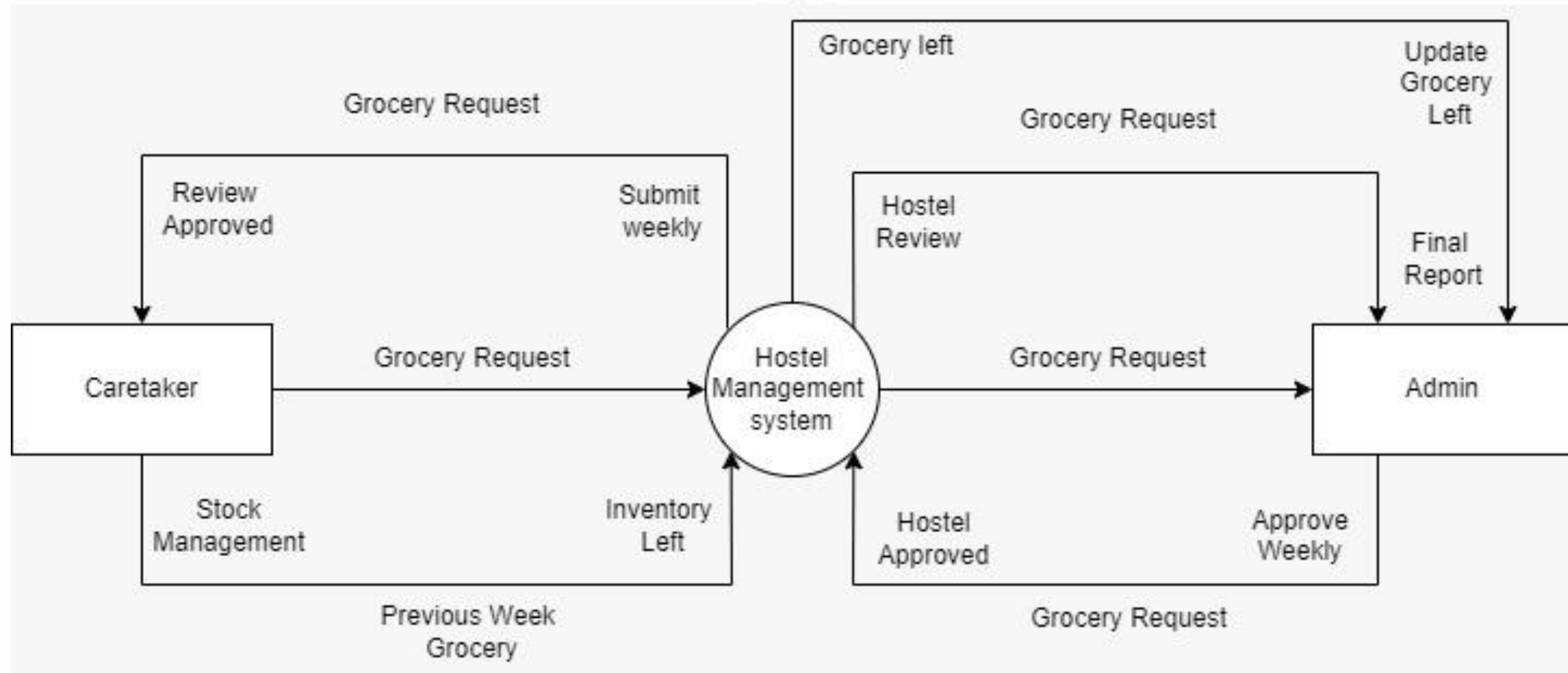
- ❖ All processes are handled digitally with a central system.
- ❖ Caretakers, wardens, and admins have specific roles.
- ❖ The system provides real-time updates on request and approval statuses.
- ❖ Requests and stock levels can be tracked instantly.

## TECHNOLOGIES USED

- Frontend: React for User Interface.
- Backend : Node.js(Express) .
- Database: MongoDB –Store and retrieve data.



# DATA FLOW DIAGRAM LEVEL-0



# MODULE DESCRIPTION

## USER MODULE:

- ❖ Add and manage caretaker, warden, and admin roles.
- ❖ Admin assigns specific roles and permissions.
- ❖ Control access to modules based on roles.
- ❖ Manage user details like name and email.



## GROCERY APPROVAL

- ❖ Caretaker submits grocery requests for required items.
- ❖ Warden reviews and approves or rejects requests.
- ❖ Admin gives the final approval for the request.
- ❖ Requests are tracked based on approval status.

Estd : 1984



## STOCK MANAGEMENT MODULE

- ❖ Add grocery items with quantity and unit.
- ❖ Update stock levels after adding or using items.
- ❖ View current stock to check availability.
- ❖ Prevent duplicate entries by verifying item names.

Estd : 1984

# SCREEN SHOTS

## Homepage(Landing page)



# Grocery Request Submit Page

Kongu Hostel  
Caretaker  
Dashboard

Grocery  
Requests

Submit Grocery  
Request

Used  
Approval

Submit Used Grocery  
Request

Stock  
List

Update  
Stock

Logout

## Submit Grocery Request

Item Name

rice

Quantity

1500

Unit

kg

Description

for 400 students

Add Item

# Grocery Request Page

## Grocery Requests

dd-mm-yyyy

Filter

| S.No | Item Name | Quantity | Unit | Description      | Date       | Warden Approval | Admin Approval | Actions |
|------|-----------|----------|------|------------------|------------|-----------------|----------------|---------|
| 1    | sugar     | 4        | kg   | sugar for tea    | 12/18/2024 | Pending         | Pending        |         |
| 2    | sugarcane | 400      | pcs  | for 400 students | 12/19/2024 | Pending         | Pending        |         |

## Available Stock Detail Page

### Kongu Hostel Admin Dashboard

[Create User](#)[Grocery Requests](#)[Used Approval](#)[Stock List](#)[Logout](#)

### Stock List

[Download as PDF](#)

| S.No | Item Name | Quantity |
|------|-----------|----------|
| 1    | onion     | 59 kg    |
| 2    | rice      | 1300 kg  |
| 3    | salt      | 190 kg   |
| 4    | sugar     | 100 kg   |
| 5    | tomato    | 50 kg    |
| 6    | wheat     | 200 kg   |

# Stock Update Page

Kongu Hostel  
Caretaker  
Dashboard

Grocery  
Requests

Submit Grocery  
Request

Used  
Approval

Submit Used Grocery  
Request

Stock  
List

Update  
Stock

Logout

## Update Stock

### Add New Stock

Item Name

rice

Quantity

100

Unit

kg

Add Stock

| S.No | Item Name | Quantity | Unit | Actions                                       |
|------|-----------|----------|------|---|
| 1    | onion     | 59       | kg   | <button>Edit</button> <button>Delete</button> |

## CONCLUSION

- ❖ The system simplifies hostel operations by handling tasks digitally.
- ❖ Saves time and reduces errors in grocery and stock management.
- ❖ Provides role-based access for caretakers, wardens, and admins.
- ❖ Ensures clear tracking of requests and stock levels.
- ❖ Reduces manual workload, improving efficiency.





**THANK YOU!**