

Coding Club & Innovation Software Hackathon Club DATE: 07-01-2025

# Problem Statement

# Design and implement a Canteen Bill Generation and Stock Management System that performs the following functions:

# Billing:

# Allow users to select items from a menu, specify quantities, and generate a bill.

# Calculate the total cost, including applicable taxes (if any).

# Stock Management:

# Maintain an inventory of items with their available stock counts.

# Reduce the stock count when items are sold.

# Display a warning or error message when an item is out of stock or the requested quantity exceeds the available stock.

# User Interface:

# Provide an intuitive interface for adding items to the cart and viewing the bill.

# Display real-time stock updates as items are sold.

# Admin Features (Optional):

# Allow admins to add, remove, or update items and their prices in the menu.

# Enable stock replenishment for items running low.

# Platform: Python with tkinter or JavaScript (web-based) can be used.

# Participants Only for Coding and Software Hackathon registered Students:

Individuals or teams of 2 from the **SAME YEAR / SAME DEPARTMENT** can be clubbed together if needed.

# Evaluation Criteria

|  |  |  |
| --- | --- | --- |
| **Topic** | **Marks** | **Remarks** |
| User Interface | 30 |  |
| Color Palette | 20 |  |
| Any three features integrated | 30 |  |
| WOW Factor | 20 |  |
| **Total** | **100** |  |

**Coordinator**