**Canteen Food Ordering System**

**Abstract**

The Canteen Food Order System developed in Python with Tkinter and CSV integration offers a solution for efficient food ordering processes. It utilises a user-friendly interface for the customers and administrator. The customers can effortlessly browse menus, select items they wish, and place orders with ease. As a backend, the package holds CSV files for seamless data management, allowing for easy menu updates without altering the code. The menu items along with their corresponding prices and availability, are stored in a CSV file, enabling easy updates and modifications to the menu. Orders are processed with updating inventory and generating detailed summaries for both customers and staff. It also helps the administrator in efficient management of inventory and generates the order summary to the customer. Customers can easily browse through the available menu items, select their desired items, specify quantities, and place their orders with just a few clicks. It contains built-in authentication and authorization features for the admin and customers. Customers may be required to log in using unique credentials which is the ID number and privileges can be assigned to different user roles, such as customers and administrators. The system ensures secure access and role-based privileges. Overall, this system enhances operational efficiency of canteen management and inventory management.

Jeyanth A - 23PD16

S Akilesh - 23PD33