**Online Food Ordering Management System**

**Abstract:**

The main purpose of the Online Food Ordering Management System is to use it in the food-service industry. This feature helps hotels and restaurants to increase their online food ordering systems. Customers can choose from a wide range of food menu items within just a few minutes. In today’s modern food business, it's also able to deliver fast and easily to a customer’s place. The work presented as Online Food Ordering Management System simplifies the ordering process. The proposed solution presents a user interface and changes the menu to include all available options, creating customer work easier. Allows customers to order any item that they like and adjust the quantity of the food item. The order confirmation is displayed to the customer on the Homepage of the website. The order is put to the queue, updated across both the database and the admin panel, and provided in real-time. This system aids the staff with checking over orders in real-time and executing them effectively and easily with few errors. Here, the customer can also reserve a table at a restaurant of his/her choice and will get the confirmation of their reserved table on the homepage of our website.

**Existing System**

In the present scenario people have to physically visit the hotels or restaurants for eating food, and have to make payment through cash mode most of the times due to unawareness of advanced technologies at certain places.

In this method time as well as physical work is required, among which time is something that no one has in ample amount. The traditional food ordering procedure is not efficient enough for hotels and restaurant, as they have to deal with crowd, in their restaurant.

The old methods can be classified into categories which are paper grounded and verbal grounded. For paper based work, the waiter comes and pens down foods that customers order and pass the food list containing paper to the chefs or cooks in the kitchen for further process.

Also from the owner’s point of view maintaining data record and the accounts in physical file is cumbersome and tedious work to do. And also it is full of risk as anyone can access it and modify the data.

**INTRODUCTION**

The food industry is highly labour intensive and the biggest expense in the food industry is the cost of employing the right kind of people to do the work. Labour rates are steadily rising year in and year out, making it difficult to hire labour. One of the ways to reduce this expense is to use modern technology to replace some of the jobs done by human beings and make machines do the work. Here we propose an “Online Food Ordering Management System” that has been designed for Fast Food restaurants, Take-Out or College Cafeterias. The system may well be implemented in any organization that distributes foodstuff. Because the whole process of accepting orders is automated, the meal ordering experience for both the client and the restaurant is optimized. Online food realtime ordering management system's objective is to give customers a way to order food and drinks over the internet. The primary reason for all of this is because it is beneficial to both the client and vendor.

**PROPOSED SYSTEM**

The simulation first starts with the admin entering his/her credentials (ID and password). Once that has been verified, the admin can access the main admin panel where he/she can edit the categories, the food items as well can view the orders placed and reservations made. Now we get a window that displays the order number, customer ID, food name, price and quantity. Once the customer finalizes his/her order, they are asked to enter their name, address and other contact details where the total price is displayed and the customer can click the 'order now' button to get a message of confirmation of order. Once you enter the admin portal, you get the option of adding food, deleting food or updating food. Any option of choice leads you to the food menu. Once the selected operation is carried out, the end result, i.e, the added food or the updated food list is displayed and if you have deleted a food, that particular food disappears from the main menu on the website which will be visible to the customer.

**Software specifications**

**forntend :** HTML and CSS, Media screen, Bootstrap

**Scripting language:** Java Script, jQuery

**Language:** python

**Database:** sqlite

**Framework:** Django

**Hardware specifications**

**Process :** Intel i5 processor

**RAM:** 4GB

**Operating System:** Windows 10

**HDD:** 512GB

**System Type:** 64- Bit operating system.