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**A Short Communication Article on Contactless Menu**

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**ABSTRACT**

In this Pandemic situation after dealing with contactless delivery, we introduce a "contactless menu", this feature help restaurants to gain the trust and confidence of customers in their safety and hygiene measures post-lockdown. The contactless menu will have two main components and, in the future, we are planning to include contactless payment.

**Keywords:** Contactless, QR menu, 3D model.



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## 1. Introduction

The enhancement of science and technology leads to make life more comfortable than in older days. The emerging technologies like neutrosophic shortest path [1-5], transportation problem [6-8], uncertainty problem [9-14], fuzzy shortest path [15-18], PowerShell [19], wireless sensor network [20-27], computer language [28, 29], neural network [30], routing [31], image processing [32] making the products more intelligent and self-healing based. The smart city applications like smart water [33, 34], smart grid, smart parking, smart resource management, etc. are based on IoT and IoE [35-38] technologies. In this manuscript, the contactless menu system is proposed. It is the strategy within which customers specify their desired menu to the waiter who takes the order on paper. So, it was a process that took a protracted time. It leads to wasted paper and also requires reprinting of all menu cards. Also, in many cases to make small changes to menu cards, it is not convenient to print all menu cards over and over again. Simply saying that the menu card once printed cannot be changed. After a few days, the menu card lost its worthy appearance and appeal.

## 2. Existing System

In this pandemic situation, we are experiencing contactless delivery and we are dealing with it well. Post-lockdown many companies are introducing a system "QR menu" to help restaurants and hotels to increase trust and confidence in customers. QR menu contains contactless menu and contactless ordering.

## 3. Proposed System

In this pandemic situation, we are experiencing contactless delivery and we are dealing with it well. I am introducing a system 'contactless menu' to help restaurants and hotels to increase the trust and confidence of customers. In this system, I am making an AR mobile application for restaurants and hotels which is more attractive and more effective. With a contactless menu, customers will be able to order the food on the table to explore the restaurant menu differently. After selecting the food, by seeing the 3D model of that then they will be able to order that. 'Contactless menu' also ensures that consumers don't have to wait to place their order. Thus, making the entire experience far more seamless and convenient for the users.

## 4. Objectives

Over the last 10 years, India has developed significantly. People's living has changed a lot and also their passion for food has increased. In this pandemic, touchless menus are helping restaurants and hotels to increase customer confidence [39].

## 5. Algorithms

### Customer.

Step 1: Start.  
Step 2: If (b = 1).  
THEN Go to Step 3.  
ELSE Go to Step 8.  
Step 3: View Menu.  
Step 4: Select Food.  
Step 5: Enter Table no.  
Step 6: Confirm Food.  
Step 7: Place Order.  
Step 8: End.

**Admin.**

Step 1: Start.

Step 2: Input Username Password.

Step 3: If (Username == "Admin" && Password == "Admin").

THEN Go to Step 4.

ELSE Go to Step 7.

Step 4: View Order.

Step 5: Dispatch Order.

Step 6: Add/Delete/Update Item.

Step 7: End.

**6. Conclusion**

The main purpose of applying is to assist students of master of computer application to understand the fundamentals knowledge of the programming languages.

- Should enable Master of Computer Application students to flick through the code and application: this will be achieved when students are ready to run and install the appliance. After they run the appliance, they'll use it through the implementation of various objects.
- Should allow users to flick through different product categories: this is often achieved through a straightforward to use of graphical interface menu options.

**6. Future Scope**

- Customize orders: Customers can customize their food orders as per their choice.
- Adding more user interactive features will enhance the user interface.
- In the future, we will add a delivery option in the system.
- A visual graphical order status bar will be provided to the customer.
- Only restaurant employees can show active orders.

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