**Project Group No.** 🡪 **20**

**Project Title** 🡪 **Restaurant Table Booking System**

**Github** 🡪[**https://github.com/Poojaraijade/CDAC\_IET\_Project**](https://github.com/Poojaraijade/CDAC_IET_Project)

* **Scope:**

We are proposing this above titled web application that will help customers to save time and make it a more memorable experience. Online reservation platforms primarily provide a platform that allows people to make online table reservations at their favourite restaurants in a seamless & hassle-free manner. Diners can choose a restaurant based on location, day, timing, cuisine and number of guests. Apart from this core feature, the web application also maintain restaurant listing with ratings, reviews , ambience and menus to help out diners in deciding the right dining outing as per their specific taste. The owners can also add their restaurant on the web application .Putting restaurant online will increase profit and helps to create an unforgettable brand for owner's restaurant.

* **Summary:**

The core and the primary objective of this Web based Application is to provide diner a platform that allows to make online table reservations at their favourite restaurants and can check out the menu of their choice from a restaurant as per their convenience. The second most objective is to provide an online platform for a restaurant owners to post their restaurant on the proposed web application so as to grow in the business. In manual system, everything depends upon waiter & booking diary and there is no automated system for keeping the records. Therefore it is aimed to develop an application for table reservation and online menu booking. This idea is discovered by keeping in mind the fact that people consider it a pain to go to the restaurant because of absolute amount of time required to find a desired one. Also it’s difficult to get a booking and equally time consuming to go through the menu and then to order the dishes. In addition to that the restaurant Managers have to analyse and keep hundreds of paper receipts to maintain the records and hence this application may help the restaurant in a digital way by keeping track of the bookings through the admin portal provided. The customer has to become a member first then he can access the later part of the application for which first of all registration is a compulsion but the same is not applicable for a normal visitor to web application as he/she can still check out some features. The customer can check availability of seats at a particular timing and book a seat if available. The customer is also given with the facility to view the booking details and can cancel the booking if required. If failed to arrive on time the booking request will automatically be cancelled from Restaurant side and amount will not be refunded. The pre-ordering of food is the great feature for diner in addition to table reservation. The customer can go thought various cuisines and food items listed on application where he/she can select the food and add to his/her basket and can processed with confirmation to place an pre-order for the given time slot and thus this idea will eventually It saves diner's time looking out for restaurants. Also it saves business assets and costs.

* **Module/Features:**

**1. Roles Management:**

The web application will be provided with the customer login and Restaurant owner login. Normal visitor can explore the application without any registration. But the customer has to become a member first then he can access the later part of the application for which first of all registration is a compulsion. If already a regular user or member then valid credentials is must to login. The same instructions and procedure will be followed for restaurant owners also. They also have to a member on web application. For any changes, updates or deletion wants to make by the restaurant the manager should first login with valid credentials. Hence with this, a proper management can be possible and provisions provided to ensure that the right users have the appropriate access to application resources.

**2. Restaurants catalogue:**

There is a list of restaurants with various features listed on the home page of application. Each restaurant details is added by their respective owners/admins and is approved by application management team. once the customer selected his/her favourite restaurant they will redirected to that particular restaurant page where the customer will get to check out various feature like rating, reviews, restaurant details, address and other features.

**3. Book a Table:**

Once the customers log in with valid credentials, they can go through various restaurants options according to their location and in the cuisines interested. Diner can filter out restaurants through various quick filters. After choosing restaurant they can do reservation process that will be depending upon the following factors: Day, Time slots, No of guest, Availability. Once the booking request is accepted by restaurant executive/manager, the diner can shift to the payments where they can do payments via different modes of payment. Once the payment transaction will become confirmed the customer will get a receipt/invoice of the same.

**4. Pre-order Processing (Menu):**

To save the customer’s valuable time, customer can place any pre-order via web application though this feature is optional for any customer. The customer can go thought variable foods items listed by particular restaurant and can choose items likewise.

**5. Add Restaurants:**

The newly interested restaurant owner can add his/her restaurant to web application, this will provide them a web platform to grow. In this modules the owner have to provide all details at the given portal and once their request is approved by the application management team, their request will be reflected to application.

**6. Payment Processing:**

On the booking of tables there will be cost for each table according to number of guest and total payable amount will be calculated accordingly. Also in the pre-ordering stages, on the selection of every food item and its quantity the respective item cost will be added in the payable amount. Once the customer is done with table booking and pre-ordering, he/she will be eligible for final or advance payment. There is a compulsion on payment of table booking via websites payment portal however the 50% advance payment of pre-ordered food is expected from customers so as to confirm his/her pre-order. Diner can also pay the complete payable amount via website to avail different offers and discounts.