Sr.NO	Approach	Short Description	Advantage	Limitations	Year
My Restaurant Management System	Approach: ADD UPDATE DELETE CLEAR OPERATIONS	The following Restaurant database holds the records of its Employees, chef, waiters/delivery boys, food items, drinks and their customer details.	It is a user friendly Database management system which provides various operations on the Restaurant management and its operations	On very big database system may generate some errors	2023
Soon Nyean Cheong; Wei Wing Chiew; Wen Jiun Yap	**Design and development of Multi-touchable E-restaurant Management System**	the MEMS if implemented properly, could possibly improve the overall restaurant efficiency, reducing labor cost, providing a better quality of services and enhance customers' dining experience.	the overview framework of the MEMS that consists of the multi-touchable dining table, the counter payment module, kitchen display module, administrative module and the centralized server. The proposed MEMS was developed using PHP, MySQL and Adobe Flash AS3 scripting on top of Zend framework.	Any update to the food items such as pricing, availability, promotions etc. will require manual modification to the menu	2011
Hassain Saeed; Ali Shouman; Mais Elfar; Mostafa Shabka; Shikharesh Majumdar; Chung Horng-Lung	**Near-field communication sensors and cloud-based smart restaurant management system**	This system will solve key problems faced by restaurants today through the use of technologies such as Mobile and Web applications, Internet of Things (IoT), Near-Field Communications (NFC) sensors, and cloud computing.	The web application provides staff members benefits such as collecting data and statistics on the restaurant's performance in real time and automating the order placement system for waiters and cooks via IoT technology.	Not fully functional for Big Databases	2017
Dr. Vinayak Ashok Bharadi	Online Restaurant Management System for Android	The simplicity and ease of access of a menu are the main things that facilitate ordering food in a restaurant. A Tablet menu completely revolutionizes the patron's dining experience. Existing programs provide an app that restaurants can use to feed their menus into iOS & Android based tablets and make it easier for the diners to flip, swipe & tap through the menu.	run the app on an Android based tablet & not on an iOS based tablet which is more expensive alternative. We use a cloud-based server for storing the database which makes it inexpensive & secure	Server goes down • Tablets suffer a defect • End users are not able to use the tablet devices	2019

Vindya Liyanage; Achini Ekanayake; Hiranthi Premasiri; Prabhashi Munasinghe; Samantha Thelijjagoda	**Foody - Smart Restaurant Management and Ordering System**	Foody stands unique from existing online restaurants that have mobile applications, since it is a comprehensive application that includes LED lighting system, 3D modeling menu, task allocation and scheduling order and summarize customer reviews using sentiment analysis and creates a unique menu for each customer.	This research work has been developed mainly to make day-to-day life of people, easier. Even though this research focusses on the IT industry, the research team will be focusing on reducing time wastage because customers can check availability of tables before entering the restaurants, increase the accuracy of the food ordering process, maintain the customer feedback provided for each food item and generate a unique food menu to each user.	No Disadvantages but the system when have more values in the database may perform differently then expected	2018
Mr. Maderla Rajesh, Mrs. Prof. G.Satya Prabha, Mr. P.V.Vara Prasad Rao	E-Restaurant: Online Restaurant Management System for Android	The main purpose of this paper is to design an advanced e-restaurant online management system using android smart mobile with Bluetooth wireless technology	The menu will be displayed automatically using android application on the table and we can directly order the food items with the help of Android Phone. The controller also takes the responsibility to display the menu items selected on the LCD display unit. At the Kitchen section using wireless RF communication the selected items will be displayed on LCD along with user table number.	No Security Features	2021
Wesley Williams, Devon M. Simmonds	A Case Study in the Design of a Restaurant Management System	This paper reports on the development of a restaurant management system as part of a first course in software engineering. Results and lessons learned are presented.	The main focus of the project was to create a single working "point of management" restaurant system that acts as both a terminal for taking orders and a terminal for generating reports and making changes to employees or items on the menu	Complex in use	2010

Namrata Singhal; E. Konguvel	**An Approach for Restaurant Management System during Covid-19**	This restaurant management system can be used to place orders for multiple menus, as well as change the final bill as according to the quantity of items bought. The user can log-in and access the menu. Multiple items can be bought, and after the order is made, the user can return to the home screen.	The user can easily navigate with the help of this simple interface and can go through the program multiple times with minimal errors as well. Every project always has room for improvement, I too believe in same, there are many changes that can be implemented in future, like adding more restaurant menu after logging in, giving the users a chance to delete the ordered food and edit it and also make a provision for the users to pay using the software.	Can implement more security features	2022