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Survey Paper on Online Food Ordering System in Restaurants

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Abstract: Our proposed system is an Online food ordering system in restaurants that enables ease for the guests. It overcomes the demerit of the traditional queueing system. Our proposed system is a medium to order online food hassle-free from cafes as well as mess service. This system improves the system of taking orders from the client. The Online food ordering system in restaurants sets up a food menu online and guests can fluently place the order as per their want. Also with a food menu, guests can fluently track their orders. This system also provides a feedback system and food standing system in which stoners can rate the food particulars. Also, the proposed system can recommend taverns, and food, and rested on the conditions given by the stoner, the hostel staff will be informed about the advancements along with the quality. The payment can be made online or pay- on- a delivery system or cash system. For further secured ordering, separate accounts are maintained for each stoner by furnishing them an ID and a word.

Keyword – Food hub, Food, Foody, Online Ordering, food system, food ordering.

I. INTRODUCTION

The Online food ordering system in restaurants sets up a food menu online and guests can fluently place the order as per they like. Also with a food menu, online guests can fluently track the orders. The operation maintains guest's database, and meliorate food delivery service. The Restaurant operation systems motivates us to develop the system. There are colorful installations handed so that the addicts of the system will get service effectively. Also, the system considers cafes as well as Mess installation to the guests. Again, the idea comes that substantially mess addicts are person who are shifted for colorful reason in new megalopolises. So, they're interrelated. adding use of smart phones is also considered as a provocation, so that any addicts of this system get all service on single click. Another provocation can be considered as the system will be designated to avoid addicts doing fatal crimes, addicts can change their own profile, addicts can track their food particulars through GPS, addicts can give feedback and recommendations and can give conditions, it'll give applicable feedbacks to cafes Mess service providers. Due to lack of a full fledge operation that can fulfill the client conditions by furnishing him food from cafes as well as from mess service, there's a need for the system. This proposed system will be used by the people who keep shifting from megalopolises to cites. As well as, it'll be useful for the scholars studying in different megalopolises. The proposed system will give the fle harshness to the guests addicts to order from either cafes or Mess. It'll also give Recommendations to the guests from the cafes mess possessors uploaded on a quotidian base. In the proposed system, there will be no limitation on the number of order the client wants. Also, same operation can be used as a Startup Business for the inventors. It'll give real time guests feedback and conditions along with the commentary to the cafes mess proprietor. It gives applicable feedbacks to addicts, so if there's any error happed, also there will be a feedback dialog toward addicts. The proposed system is designed to avoid addicts doing fatal crimes and unhappy action. compass of proposed system is maintainable because in large quantum peoples are shifting to different megalopolises so wide range of people can make a use of proposed system. The system/ interface will take input from a stoner. The major attributes that will give input to the dataset are name, address, dispatch- Id, mobile no, other particular combined values, etc. The affair will include stoner/ client's Order, Bill, Feedback and Payment options.

Originally there will be 10 to 12 cafes and mess services of tiffin services considered inside 2 to 3 areas. The reason why to choose this design is the idea behind design that's to break problem of people which they're facing when they shift to different megacity. The system isn't only for stoner but also for provider who provides food service and digital dining table. This system is for making effective communication between consumer and patron of the food system which will also leads to turnip the beat.

1 . PROBLEM STATEMENT

The Online food ordering system in restaurants sets up a food menu online and guests can fluently place the order as per they like. Also, online guests can fluently track their orders. The operation maintains the client's database and ameliorates food delivery service. This system also provides a feedback system in which the stoner can rate the food particulars. Also, the proposed system can recommend hospices, and food, grounded on the conditions given by the stoner, the hostel staff will be informed about the advancements along with the quality. The payment can be made online or in cash or pay- on- a delivery system. For further secured ordering, separate accounts are maintained for each stoner by furnishing them an ID and a word.

TABLE NO.1

S.NO	FACING ISSUE	MARKS	GRADE
1	Food and beverages served incorrectly	703	III
2	Delivery /Order mix-ups	692	V
3	Perceived low value /high pricing	784	I
4	Impolite servant	719	II
5	Long-awaited	677	VI
6	Absence of Washrooms	632	VII
7	Low quality of furniture	702	IV
8	Quite detestable	560	VIII

In the above table, there are the list of some major issues faced by the customer mostly after paying money also, according to our research we were given a mark and grade to the facing issues the major issue carrying first rank in the TABLE NO.1

Although the hostel is of a transnational class and quality, it's not realizing its maximum eventuality due to detention of conditioning by the current spare homemade system. Due to huge losses suffered by the hostel from the frequent crimes in the current system, the hostel operation decided for a motorized system, which would .

1. Be friendlier to guests and the staff.
2. Ameliorate client care and service at the hostel.
3. Increase the hostel performance.
4. Reduce the functional costs of the hostel.

1.1. PROBLEMS IN THE MANUAL SYSTEMS

1. Complains from guests due to poor operation of documents encouraged by the homemade system, several cases were reported where guests complained of overcharging, and charging of services not used by the guests
2. Poor communication due to poor communication between the departments, guests are frequently served with services they didn't order.
3. Difficulty in the position of guest lines due to a large number of guests' lines, position of guest lines during checking in, streamlining of diurnal expenditures, damage generation, and checking out is extremely delicate for the hostel workers.
4. Large storehouse space the physical lines enthrall too important space of about two apartments full of storehouse closets.

2. LITERATURE REVIEW

In (1) an automated food ordering system is proposed which will keep track of user orders sharply. they executed a food ordering system for different types of cafes in which users will make orders or make custom food with one click only. Utilizing android operation for Tablet PCs this system was executed. The anterior end was developed using HTML, CSS, JAVASCRIPT, and Android and at the backend MySQL database was used.

In (2) customer using a Smartphone is considered as an introductory supposition for the system. When the customer approaches the café, the saved order can be vindicated by touching the Smartphone. The list of named preordered particulars shall be shown on the kitchen screen, and when vindicated, the order slip shall be published for further order processing. The result provides an easy and accessible way to elect-order trade from guests.

In (3) there was an attempt to design and performance of digital dining in cafes using android technology. This system was an introductory dynamic database avail system that fetches all information from a centralized database. effectiveness and delicacy of cafes as well as mortal crimes were bettered by this user-friendly operation. before downsides of automated food ordering systems were overcome by this system and it requires a one-time investment for contraptions.

In (4) an operation of integration of hotel operation systems by web services technology is presented. The ordering System Kitchen Order Ticket(KOT), Billing System, and customer Relationship operation system(CRM) are held together by Digital Hotel Management. Add or expand hotel software systems in any size of hotel chain terrain was possible with this result.

In (5) disquisition work aims to design and develop a wireless food ordering system in the café. Specialized operations of the Wireless Ordering System(WOS) including systems architecture, function, limitations, and recommendations were presented in this system. It was believed that the added use of handheld devices analogous to PDAs in cafes' pervasive operation will come as an important tool for cafes to meliorate the operation aspect by minimizing mortal crimes and by furnishing advanced quality customer service.

In (6) along with customer feedback for a café a design and execution of a wireless food ordering system was carried out. It enables café owners to set up the system in wireless terrain and update menu donations easily. The smartphone has been integrated with the customizable wireless food ordering system with real-time customer feedback performance to grease real-time communication between café owners and guests.

In Paper (7), the purpose of this study was to probe the factors that impact the station of internet stoners towards online food ordering in Turkey among university scholars. A Technology Acceptance Model (TAM) developed by Davis in 1986 was used to study the handover of Web terrain for food ordering. Trust, Innovativeness, as well as External Influences, are added to the model as main factors along with TAM.

In the paper (8), the disquisition work aims to automate the food ordering process in café and also meliorate the dining experience of guests. The design performance of the food ordering system for cafes was bandy in this paper. This system, tools wireless data access to waitpersons. The android operation on the user's mobile will have all the menu details. The kitchen and cashier admit the order details from the customer's mobile wirelessly.

In Paper (9), this disquisition works on efforts taken by cafes owners also to adopt information, and communication technologies analogous to PDA, wireless LAN, expensive multi-touch defenses, etc. to enhance the dining experience. This paper highlights some of the limitations of the conventional paper-predicated and PDA-predicated food ordering system and proposed the low-cost touch screen-predicated Restaurant Management System using an android Smartphone or tablet as a result.

3. PROPOSED SYSTEM

To overcome the limitations of the below system, an Online food ordering system in restaurants grounded on the Internet of effects is proposed. It's a wireless food ordering system using android bias. Android biases have gained immense fashion ability and have revolutionized the use of mobile technology in the robotization of routine tasks in wireless terrain. Android is a Linux- grounded operating system for mobile bias similar to smartphones and tablets. Developing a dependable, accessible, and accurate Food Ordering System is considered a general idea of the study. Developing a system that will surely satisfy the client service will be considered ideal. One of the ideas is to design a system that's suitable to accommodate a huge quantum of orders at a time and automatically cipher the bill. To estimate its performance and adequacy in terms of security, stoner- benevolence, delicacy, and trust ability is an important ideal. To ameliorate the communication between the customer and guests is one of the ideals.

Figure. 1 represents the simple system consisting kitchen management, Delivery management , system management, login management, customer management, booking management all this manage by the online food ordering system in restaurant the main function is, in what pattern the stoner will search the service so for that purpose a part of Geo- Hashing Algorithm is used,

and the GPS should be on. A person can have the installation to search service by the position that home position of the person is detected with GPS and according to the named option position of near service gets searched. Another way for searching is by cost. Then stoner must give input in terms of rupees and in what range he or she needs service per plate if there are any service providers within that area then the list will be displayed. stoner can also search by standing. The service that has standing is checked by the stoner given standing and if matched it'll give the list of services. Hunt can be done by accepting distance from the stoner in which the stoner needs to search and display service providers within that distance. stoner can communicate with a service provider with the help of a communication box and get an announcement from the provider end if any. On the other end provider has installation to add or reject a request from the person who wants to join the service



Figure.1. Online Food Ordering System

4. CONCLUSION

therefore, the conclusion of the proposed system is rested on the stoner's need and is user-centered. The system is developed in considering all issues related to all users which are included in this online ordering system. A wide range of people can use this if they know how to operate android smartphones and laptops. various issues related to Mess/ Tiffin Service will be answered by furnishing them with a full-fledged system. thus, the performance of Online food ordering system in restaurants is done to help and break one of the important problems of people. rested on the result of this disquisition, it can be concluded It helps the customer in making an order easily; It gives information demanded in making an order to the customer. The Food website operation made for café and mess can help café and mess in entering orders and modifying its data and it's also made for admin so that it helps admin in controlling all the online Food systems. With Turnip the Beat, a café and mess menu online can be set up and the guests can easily place their orders. Also, with a food menu online, tracking the orders is done easily, it maintains the customer's database and meliorates the food delivery service. The cafes and mess can indeed customize the online café menu and upload images easily. Having a café menu on the internet, implicit guests can easily pierce it and place an order at their convenience. thus, an automated food ordering system is presented with features of feedback and wireless communication. The proposed system would attract guests and adds to the effectiveness of maintaining the café and mess ordering and billing sections. compass of the proposed system is justifiable because a large amount people are shifting to different cosmopolises so a wide range of people can make use of the proposed system.

4.1 FURTHERS SCOPE

The website ONLINE FOOD ORDERING SYSTEM IN RESTURENTS can be further useful for all customers who can take different techniques benefit with help of that registering as a user and they can use it according to the requirement in our FOODHUB.

It allows normal users to avail for a regular customer, book the table for desired days and even enroll for various activities in the FOOD HUB. The hotel management system is built keeping in mind various daily activities of an online dining table etc. and the website automates all these food hotel functionalities for easy operation of the hotel.

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