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Online Laundry Service

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ABSTRACT

In this era of technology people are not able to do their domestic work at given time like cleaning laundry clothes. Sometime they wear the same dirty cloths without washing them. So this project definitely going to reduce customer's time intake. Location based applications provide wide range of advantages to individuals. Use of web technology helps the people to get work done in efficient way through social media like YouTube, twitter and Facebook. Location-based services can be used to help improve customer benefit services. Marketing and advertising products have been widely applied .Users of E- laundry service will get information about delivery through message. The technique will gather the information about landmark and pin code from user to locate him/her with nearest laundry center which will be held by admin. Using a combination of pin code and landmark, it will accelerate the process of identifying the location and make more precise identification of the location for reliable service.

Keywords : LBS, Pin code, Landmark, E-Commerce, LSP, Laundry, Location, Emerge, Reliable.

I. INTRODUCTION

Today's modern life makes people need all of their work to be fast. They should be able to divide their time very efficiently. While they eat they do not have enough time to cook their own food rather they buy fast food. Moreover, people now did not have enough time for washing clothes, the worst when they wore those dirty clothes, if not washed will accumulate and can even cause odor. Therefore, many people were happy to bring their dirty clothes to the laundry to get clean. There are many laundry businesses in different places with different pricing options.

Utilization of information technology use online sites and social media is quite effective in marketing as well as providing information of products and services to potential buyers [1]. Currently the development of Internet technology led to fast working using web portals and various sites. It is undeniable that business growth is currently quite high. It causes competition in the business world which is getting sharper. Result in increasing in need of marketing system that is more efficient and reliable to attract more customers. Location Based Services emerges as most used services in applications today [3].

E-Laundry by using location based service can be used to bring the laundry place with potential customers. Prospective customers are permitted to find the closest locations of laundry which will be managed by admin. Web portal is expected with a nice laundry management which will support marketing of laundry because it makes people easier to find laundry which will be indirectly done by admin. Especially with the management of laundry that utilizing information technology in the form of an application. It will brings the laundry and prospective customers meet each other, also it is a value that customer can search for a laundry that is fast, effective and efficient, in particular by providing information where is laundry place and also price of the laundry. Laundry also easy knows that potential customers want to order laundry service.

In addition prospective customers will also be more interested in knowing laundry can be reached and can provide pickup and delivery service.

II. METHODS AND MATERIAL

Problem Statement

In now a day Laundry service provider have to check the manual catalogue, stored the information of

customer and search the cloth at the time of returning. It may be possible that information will lose.

It is unable to judge among number of laundry which will be affordable for customer's requirement. There is different rate card in laundry services.

In existing days, laundry service is time consuming Process. Customers have to often visit Laundry service centre, after the order is placed they have to collect their cloth by their self and they don't get any notification about completion of work.

Although in some of the laundry centre there is probability that they will serve good service to customer and will deliver the order at home but there may be possibilities that customer will not be present at home, so the customer in turn miss his delivery.

III. RESULTS AND DISCUSSION

A. Proposed System Architecture

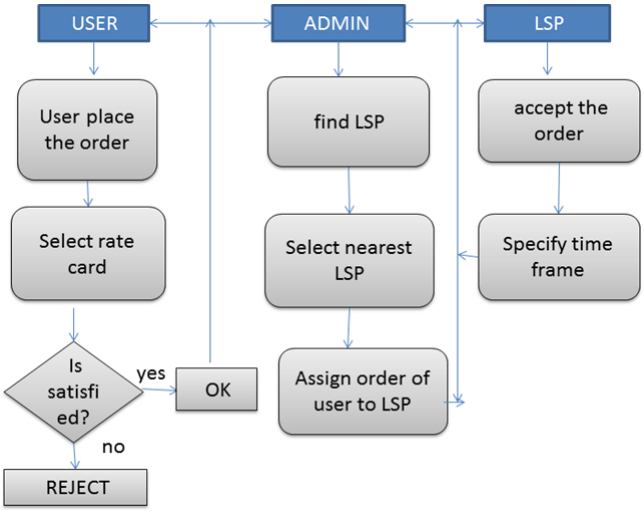

Figure 1. Proposed System Architecture

In this portal user as well as LSP will registers to create their own personal account. They must have to fill all mandatory fields containing name, address of service, landmark, pin code of service, contact detail etc., during register procedure in the login portal.

After user's login, user will place order. Then onwards user will select the type of cloth which they want to give for laundry. When user will select type of cloth, respective rates will be added to the total price. As soon as users place the order, it gets stored in database and admin will assign LSP to user according to proposed algorithm.

B. Proposed Algorithm

Step-1: First of all user can place the order by watching the rate card. If user is not satisfied with the rate then he/she has authority to reject the order.

Step-2: If user place the order, will get admitted into the database. Admin will dumped into database and finds the nearest laundry according to users pin code.

Step-3: If there are more than one LSPs within the same pin code then admin will broadcast a message to all the LSPs for the order.

Step-4: The LSP who get first reply to the admin then admin can assign the order to that LSP (i.e. FCFS basis).

The LSP accepts the order from admin, then LSP will go to respective home of user for collecting the cloths. As soon as LSP collect cloths, it will inform to admin by its own personal account and also report the expected date of returning cloths to the admin. After completion of laundry work from the LSP, it informs to the admin, admin then send reminder message to the user of delivery time of cloths.LSP will collect its charges after final delivery of cloths and will inform to the admin about the completion of work.

IV.CONCLUSION

Admin have all details about user and LSP with pin code and landmark. So, admin can provide the proper and nearest LSP to user for laundry service. This in turn will be more efficient.

It will be more reliable and fast to use, as LSP their self will collect the cloths and deliver it after laundry. The LSP will also inform about the completion of work by the means of admin by sending reminder message about the delivery time of cloths so this will be more convenient to the users. The customer do not have to visit the laundry often, as the services of LSPs are door to door, this in turn will save the time of customer.

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