

Android Application for Smart Ration Public Distribution System

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Abstract:- I our projects is “android application for smart ration public distribution system” . In system the process of ration PDS (Public Distribution system)by the government. For consumer flexibility due to delay in supply all citizen need to come to the ration shop and ask them whether they are providing the items today. When the food items are received in the ration warehouse the schedule will be sent as “MESSAGE”. Our system is centralized so all the data are stored in the central server when food items received and also at the time of sale within home delivery. Our system is flexible for user interaction more easily to communicate with admin.

Keyword:- Android Studio, Mobile Device

I. INTRODUCTION

Government ration shop is established to serve Indian citizen by providing the food materials for affordable cost. But due to delay in supply all citizen need to come to the ration shop and ask them whether they are providing the items today. Because of this problem when the items are provided people stand in big queue fighting for the items thinking that they won't get items. If they are aware of the items content and when they are provided then it will be helpful for them. Our system is not only intimate the citizens about their sales, but also provides schedule for buying the food items. When the food items are received in the ration warehouse the schedule will be sent as “MESSAGE”. Our system is centralized so all the data are stored in the central server when food items received and also at the time of sale within home delivery. Our system is flexible for user interaction more easily to communicate with admin.

II. LITERATURE SURVEY

A. Real Time Automatic Ration Material Distribution System[5]:

In this concept, people buy the various goods like rice, sugar, oil, kerosene from the ration shop. But, they are two disadvantages, weight loss of the goods due to the human mistakes and the customer did not buy the goods the supplier to buy the goods for another customer without card. This paper developed at GSM and RFID reader. After the customer detail will be stored at database. This idea will be developed at android application and flow more to the user friendly.

B. Auto Rationing System[3]

This distribution system is widely faced in issues on manual work and high technology. But the manual work has lot of illegal activity. Due to the activity the goods are low quality and some other illegal issues. The automated system, the user database already stored in the system which also including their “AADHAR” number and other information. And also this system interface thumb module to the microcontroller and PC to store the customer database.

C. Smart Ration Card System Based On GSM Technique[1]

The smart ration card is to bring the transparency between the government and user. This system to developed at customer details and needs to store at usage of RFID reader. The microcontroller connected to the reader to check for user authentication. Hardware connected to the GSM with the help of SMS domain. The Web service requires Database which contains user interface system. There are three types of user for our system, Admin, User and District Admin. All the local level Information will be handled by admin. District admin can keep overlook on the overall transactions. The actual use of system will be done by user. This technique can able to reduce the corruption related with ration system.

III. PROPOSED WORK

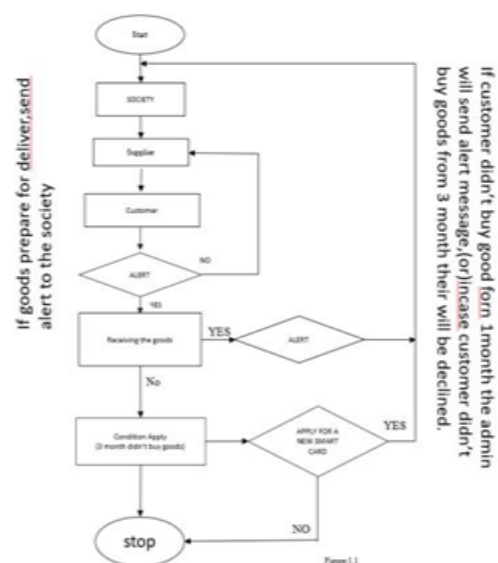


Fig 1:- Flow Diagram

In my application have 4 working process:

A. Input part

This application is used for purpose of purchasing commodities through online. First you register this personal details to access this application by input their personal information. The information's are stored in database. Then the user can access this application by their user id and password. And also user can additionally add our Aadhar and Ration card details will be stored by the application request from user.

B. Processing

The user supposed to get an ID to access the smart ration public distribution card by accessing this card. We can know details about commodities this application will alert you when the card is going to decline. For getting an acknowledgement we use Toll-free and SMS alert system. In case the customer failed to buy goods for continuously three month the application will alert consumer that you couldn't buy goods. In absence of buying goods for three month the card declined then consumer can renewal the card every process will stored in the database and it monitored by admin.

C. Displaying system

The database is reliable, then the system will display the card details and card holder name and the quality of goods with the usage of android application.

D. Messaging system

The customer to buy the goods and the information will be send by message system. I. Card holders will get receive message. II. If customer failed to buy goods for one month the consumer will get an alert message through this application. III. Also consumers failed to buy goods for three month then the declined consumer can't receive any product.

IV. RESULT

This application is to reduce the complexity where people are facing to buy commodities in ration shop. This application provides user login and registration for

consumer this application contain complete data about ration shop commodities which has been available for daily bases with SMS alert for one month and three month also by this application consumer can renewal the card.

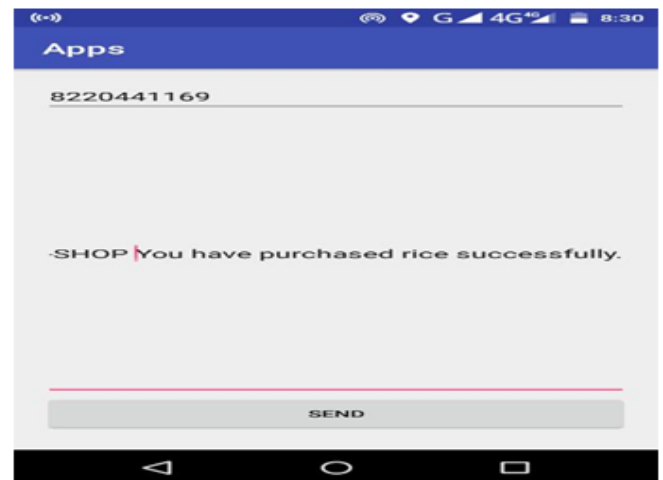


Fig 2:- Message Received

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Fig 1:- Alert Message