

Ration Goods E-Check

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Abstract: The ration distribution system having some issues like non-availability of ration goods and wastage of time due to lack of intimation. In which the customer has inconveniences to know the ration goods are available in the ration shop, hence we have taken an approach to tackle the complications. Hence, we have created this web application to know the available quantity of ration goods in the corresponding ration shop. Using this web application customers will be able to check the available quantity of ration goods before going to the ration shop. This web application makes the customer to enter their basic details and their current ration shop location.

Keywords- *Public Distribution System; Fair Price Shop; database;*

1. INTRODUCTION:

Public Distribution System is an Indian food security framework. A public ration shop, otherwise called reasonable value shop is a part of India's public framework set up by the Government of India which disperses proportions at a financed cost to poor people. Locally these are known as ration shops and public conveyance shops, and essentially sell wheat, rice and sugar at a value lower than the market cost called Issue Price. Ration Card is quite possibly the main archive which goes about as personality verification for any person. On the off chance that individuals are not having their own Ration card they can likewise apply for something very similar. The interaction to apply for ration card has been encouraged to incredible degree however now daily this process is online which comes as benefits for the candidates who standing long time in lines for filling the application structure and afterward go to the workplace again to know the status. Other fundamental items may likewise be sold. To purchase things one should have an ration card. These shops are worked all through the country by joint help of local and state government. The things from these shops are a lot less expensive however are of normal quality. Ration shops are currently present in many territories, towns and urban communities. India has more than 5.5 lakh (0.55 million) shops, establishing the biggest distribution network on the planet.

The vast majority of the ration shopkeepers keep counterfeit ration cards with them. Because of phonyration cards, the ration handler gets the additional ration from more

significant position authority and he deals it out of the dark market. The ration handler may not give an adequate measure of food grains to shoppers. More often than not individuals don't know about the accessibility of ration goods in ration shop. The seller may deal ration goods at higher rates than suggested by the public authority or he may do wrong passages in register. Thusly, in the current circumstance we are dealing with issue of defilement in open circulation framework. There is no such compelling framework through which government gets affirmation of utilization of food grains by individuals.

The customer has inconveniences to know the ration goods are available in the ration shop. The aim of proposed project is to create a web application in which the customer needs to enter the username, password and they need to mention the location. First authenticates the user and then it checks the available quantity of ration goods in their corresponding ration shop. If there is available quantity in the ration shop then customer can get all the goods in the ration shop or the customer needs to search for another ration shop. Through this web application customer easily checks the available quantity of ration goods.

2. LITERATURE SURVEY

Lavanya Kumari et. Al. [4] has proposed the transportation of stocks from FCI and factories under PDS and corruption in FPS. Mahima Gopal Ghabru et. al. [5] has proposed the efficient functioning of ration shop must for the success of PDS. Fiona H. McKay et. al. [6] has proposed the working and proficiency of the PDS in accomplishing food and wholesome security in India.

Vikram et. al. [3] has proposed Smart Ration Card System. The keen card is adjusted as a keen proportion card by coding Microprocessor chip present in it as per the necessity. The brilliant card contains interesting standardized tag. At the point when the shopper visits the apportion shop, he needs to show this card before standardized identification per user. Seller confirms the savvy card and in like manner conveys proportion.

Dhanashri et. al. [2] also, Neha et. al. [1] has created web empowered unrivaled public appropriation framework. The framework distantly screens the power source of different products and vehicles, giving apportion to proportion shop. In this framework, endorser needs to get to the site each time they want to get an ration.

Aishwarya Pachpute et. al. [7] has proposed framework, the OTP contains and an Identification Number of the client which will highlight the information base. First client enlisted into framework with the substantial record with remarkable secret word, proportion card ID, individual subtleties. Records check the public authority officer such as executive majestic

3.PROPOSED SYSTEM

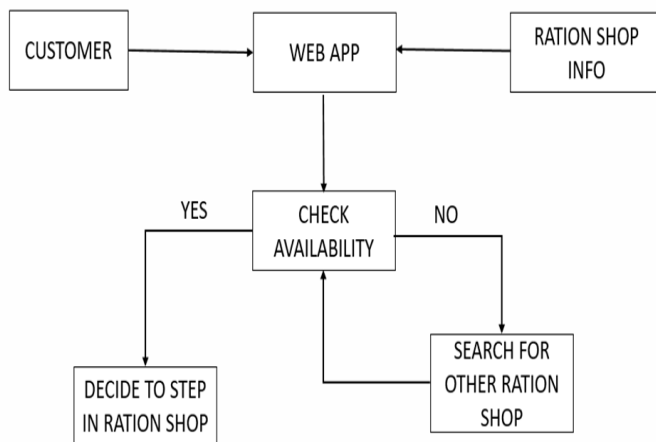


FIGURE 1. SYSTEM ARCHITECTURE

We have created web application to know the available quantity of ration goods in the corresponding ration shop. Using this web application customers will be able to check the available quantity of ration goods before going to the ration shop. This web application makes the customer to enter their basic details and their current ration shop location. The customers use this web application, which contains the information about available quantity of ration goods for the corresponding ration shop. The customers can check the availability of ration goods before going to the ration shop. If ration goods are available in their corresponding ration shop, they can decide to go to the ration shop. Otherwise, the customer can search for another ration shop in the nearby location.

3.1. Issues

Everyday population have been increasing since, the need of ration goods have been increased. Quantity of the goods differ from each fair price shop. The customer facing the difficulties like non-availability of the ration goods although they have waited in the queue for long time which causes waste of time for the customer due to lack of intimation from the admin of the ration shop.

3.2. Proposed Algorithm

Hence we taken this approach to tackle the confusions and complications faced by the customer for checking the goods availability and the issues can be posted in the query page through login as customer in the login page. In admin side updation of the sold goods in the table can be done which helps admin to get clear idea about goods sold list through login as admin in the login page. Finally, the survey analyses chart confers the overall goods sold

per month it is transparent to the admin and the customer which may reduce the scam held in the fair price shop.

3.3.Module 1: Credentials Validation

FIGURE 2. CREDENTIALS VALIDATION PAGE

First Customer need to enter their name, date of birth and password to login. The subtleties will be approved with the information base. Customer needs to enter every one of the fields in any case, the blunder message will be appeared. On the off chance that the customer fail to remember their password they can give failed to remember password and they can change the new password. The new customer can't have the option to login without register. They need to enlist first by entering their name, date of birth, password and it will divert to the login page.

3.4.Module 2: Product Availability Checking

KEROSENE IN LTR	SUGAR IN KG	RICE IN KG	DAAL IN KG	RATION ID
5	11	7	1	4411

FIGURE 3. PRODUCT AVAILABILITY CHECKING

Once the customer have logged in they have to enter the name, customer id and aadhar number. Customer id will be created by the government which contains the first three letters of their name and aadhar number. Customer needs to enter all these details which is

mandatory and they have to click next. In that page the customer needs to enter their corresponding district id, village name and ration id which is mandatory. By entering these details and they have to click view to see the availability of products in their corresponding ration shop. Ration handler updates every time when the customer buys the ration product. Each and every updation the customer can check the remaining quantity of products available in their corresponding ration shop. All the products are sold in their corresponding ration shop, the customers can search in another ration shop. They have to go back and again they have to enter another ration id to check the availability of products. In addition to that the customers can able to see the number of customers have bought the ration products.



CUST_ID	RATION_ID	KEROSENE	SUGAR	RICE	DHAN	DIST_ID	STATE_ID
24111825239CBE	4A11	2	5	18	7	40A1	40A
33121926340CBO	4A12	3	4	20	6	40A1	40A
6003869910412ND	4B32	1	3	18	8	40B3	40B
9194971010079CBE	4A11	3	4	18	7	40A1	40A

FIGURE 4. CUSTOMER BOUGHT DETAILS PAGE

3.5.Module 3: Posting Grievances

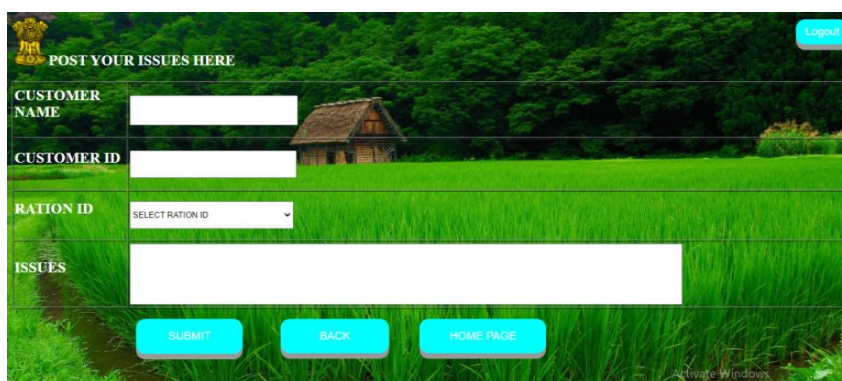


FIGURE 5. POSTING GRIEVANCES

Customer has any grievances, they can able to post it here. They have to provide their name, customer id, ration id and they can post the issues which they are facing at the time of buying the ration products. These issues will be viewed seriously and the actions will be taken soon.

4. FINAL RESULT

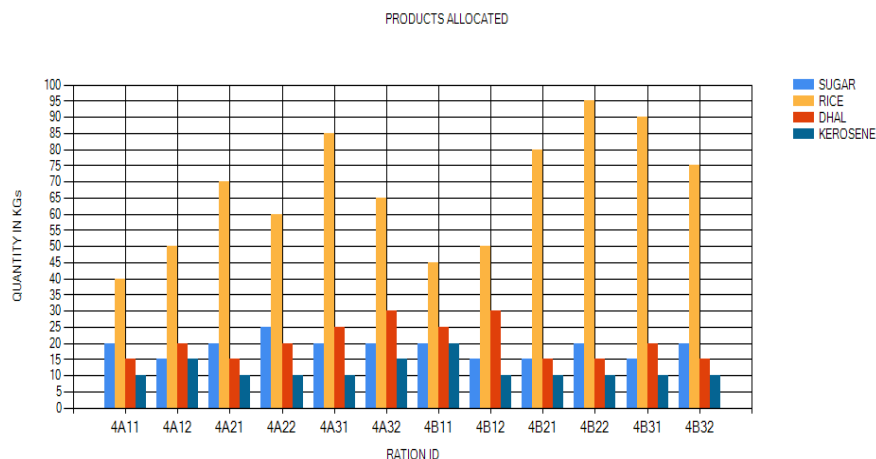


FIG. 6.A. ANALYSIS PAGE

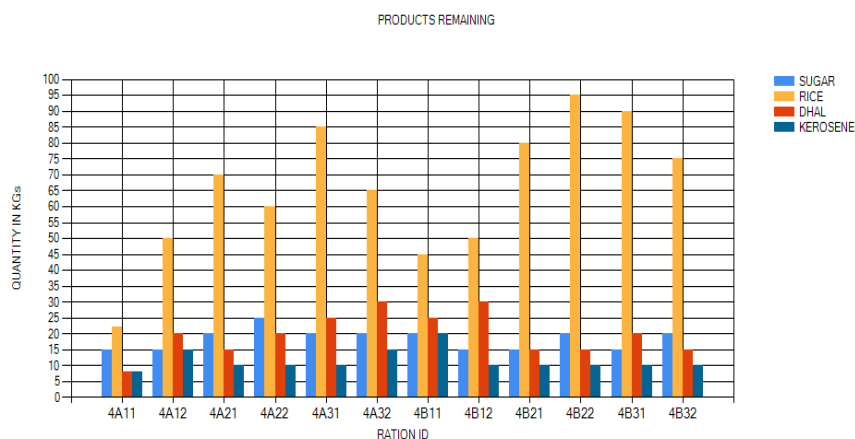


FIG. 6.B. ANALYSIS PAGE

SELECT * FROM PRODUCT_AVAILABILITY_DETAILS;							
100 %							
Results Messages							
	RATION_ID	KEROSENE	SUGAR	RICE	DHAL	DIST_ID	STATE_ID
1	4A11	10	20	40	15	40A1	40A
2	4A12	15	15	50	20	40A1	40A
3	4A21	10	20	70	15	40A2	40A
4	4A22	10	25	60	20	40A2	40A
5	4A31	10	20	85	25	40A3	40A
6	4A32	15	20	65	30	40A3	40A
7	4B11	20	20	45	25	40B1	40B
8	4B12	10	15	50	30	40B1	40B
9	4B21	10	15	80	15	40B2	40B
10	4B22	10	20	95	15	40B2	40B
11	4B31	10	15	90	20	40B3	40B
12	4B32	10	20	75	15	40B3	40B

FIG. 7.DATABASE TABLE

Finally, the customer can able to transparently see the difference between quantity of products allocated and quantity of products sold in every ration shop.

5. CONCLUSION

The proposed project can provide efficient way of public distribution. Here we have developed web application that the customers need not every time visit the shop for knowing whether the items are available at the shop or not. In conventional system there is a chance for illegal activities such as saying no stock in the ration shop. If they not buy material at the end of the month they lose their grains and kerosene this can be solved by our project by updating the account of the customer after every withdrawing of grains and kerosene. This will assist with evading such criminal operations occurring in proportioning framework generally by giving straightforwardness at each level. As there's no manual information put away in books or register, all the data is put away in data set. Henceforth it turns out to be simple for more higher authority to cross check the information anytime. In the present system we have used limited items within the database so in the future new items can also be added in the databases.

6. REFERENCES

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