A Survey Paper On
Public Distribution System

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ABSTRACT

 Public distribution system i.e. allotment distribution is one in every of the wide controversial problems that involves corruption and dirty importation of products. of these happen as a result of each job within the ration[1] search involves manual work and there aren't any specific high-tech technologies to change the task. due to intervention of manual work there area unit several criminal activity[2] happens like wrong entry in register of search concerning the quantity of product that given to the individuals, typically there's probability of distribution of caliber product than actual product provided by government for poor individuals, individuals don't have plan concerning amount} quantity of excellent provided by government to them etc. during this paper we have a tendency to propose the thought close to replace manual add public distribution system (rationing distribution system) as E-government is progressively wont to improve transparency within the government sector and to combat against corruption .E-government is being enforced in additional areas of presidency administration for each the native and national levels worldwide. E- allotment system can cut back corruption in ration outlets. during this paper, on-line registration can done by user and user can fill his personal data and family data in system[7]. each time before ration assortment, the licensed person has to undergo the verification part. Once verification is finished, amount that he can collect additionally logged into the system. thus not solely false and dummy card ration assortment is avoided however at a similar time a correct log of amount however product non heritable by the cardboard holder also will half-track.

Keyword : - *Smart ration card system, Automation of ration shop, web enabled ration shop.*

1. INTRODUCTION

Ration card[2] may be a terribly necessary document for each national in Bharat. card is employed to get varied necessary things like sugar, oil etc. from the ration retailers at a less expensive rate, issued by the govt.. This card additionally acts as address in addition as identity proof. card is required once you apply for passport, PAN number, license[4] etc. Hence, card may be a important document. But, this card system includes a disadvantage, that if the things don't seem to be sold up to the last of the month, then the storekeeper can sell it to some other person and take the profit into his pocket and place some false reading within the government record diary[7]. Public Distribution System (PDS) is associate Indian food security system. it's established by the govt. of Bharat underneath Ministry of shopper Affairs, Food, and Public Distribution and managed collectively with state governments in Bharat. the normal PDS is employed to distribute grocery things to India's poor World Health Organization area unit valid card holders. The validity and therefore the allocation of the ration cards is monitored by the state governments. A card holder ought to be thirty five kilogram of grain as per the norms of PDS. However, there area unit considerations concerning the potency of the distribution method. so as to form it economical and improve this system. victimization this technique, the cardboard holder will get his/her grocery things from the

truthful value Shop's . the most reason for victimization this technique is, to avoid the issues like duplication of cards, Forgery in provision food materials. issue product supported card[3].

2. LITERATURE SURVEY

1] "Smart ration card
Author: Mrs.B.Buvaneswari
The Ration Shop cannot able to meet the requirement of the user due to over population of our country, so the processing speed is low. As a result, there is always crowd of people in the ration shop. Also there is a chance for the illegal usage of our products in the regular system, i.e. the materials are robbed by making wrong entries in the register without the insight of the ration card holder. Due to that large amount of money given by government gets wasted. Hijacking is the main problem in the user ration card. Hence, we have developed a smart ration card application for all android mobile users.

2] Web Enabled Ration Distribution and Corruption Controlling System
Author : Dhanashri Pingale, Sonali Patil, Nishigandha Gadakh, Reena Avhad, Gundal S.S
Corruption has been around for a very long time and will remain in the future unless governments can figure out effective ways to combat it (Mauro 1997). E-government is increasingly used to improve transparency in the government sector and to combat against corruption . E-government system developed to reduce corruption. The aim of this paper is to organize and summarize existing theoretical and empirical work on corruption with a view identifying opportunities for further research. Computerization can help in modernizing the PDS. This paper discusses strategy adapted in using ICT to control diversion and leakage in the delivery mechanism and its successful application in computerization of food grain supply chain. As an outcome of the project, 0.78 Million farmers have received computer generated cheques without any delay. Citizen involvement in the system has been increased in monitoring PDS.

3] Ministry of Consumer Affairs, Food and Public Distribution Department of Food and Public Distribution, Annual Plan 2011-12.
Department of Food & Public Distribution is one of the two Departments under the Ministry of Consumer Affairs, Food and Public Distribution. The Ministry was under the charge of Prof. K. V. Thomas, Minister of State (Independent Charge) for consumer Affairs, Food & Public Distribution with effect from 19th January, 2011. Shri Ram Vilas Paswan has taken over charge as Minister for Consumer Affairs, Food & Public Distribution and Shri Raosaheb Dadarao Danve as Minister of State for Consumer Affairs, Food & Public Distribution with effect from 27th May, 2014.

4] Web-Enabled Ration Distribution and Controlling
Author : Neha Pardeshi , Trupti Desale, Prajakta Bhagwat, Ruchali Ahire
E-government is increasingly being used to improve transparency in the government sector and to combat corruption. A well-planned e-government strategy can build a more efficient, accountable and transparent government. We first analyze the theoretical background of anti-corruption strategy which illustrates the advantages of e-government services. Second, discusses two examples of e-government where corruption was significantly reduced and draws lessons on leadership and managerial issues in deploying information and communication technology (ICT) to combat corruption. In addition, let us discuss the e-government as an anti-corruption strategy in India and point out the urgent tasks for good egovernment in India. Finally, let us analyze some challenges to the development of the e-government system and its existing problems. Here efforts from our side are done to overcome one of the corruption problem involve in ration distribution system through a kind of electrodynamics web template where distribution of kerosene, rice, wheat etc. at rural and urban areas, will be checked, monitored and controlled with filtering the problem of corruption and adulteration.

5] Automatic Rationing for Public Distribution System (PDS) using RFID and GSM Module to Prevent Irregularities.
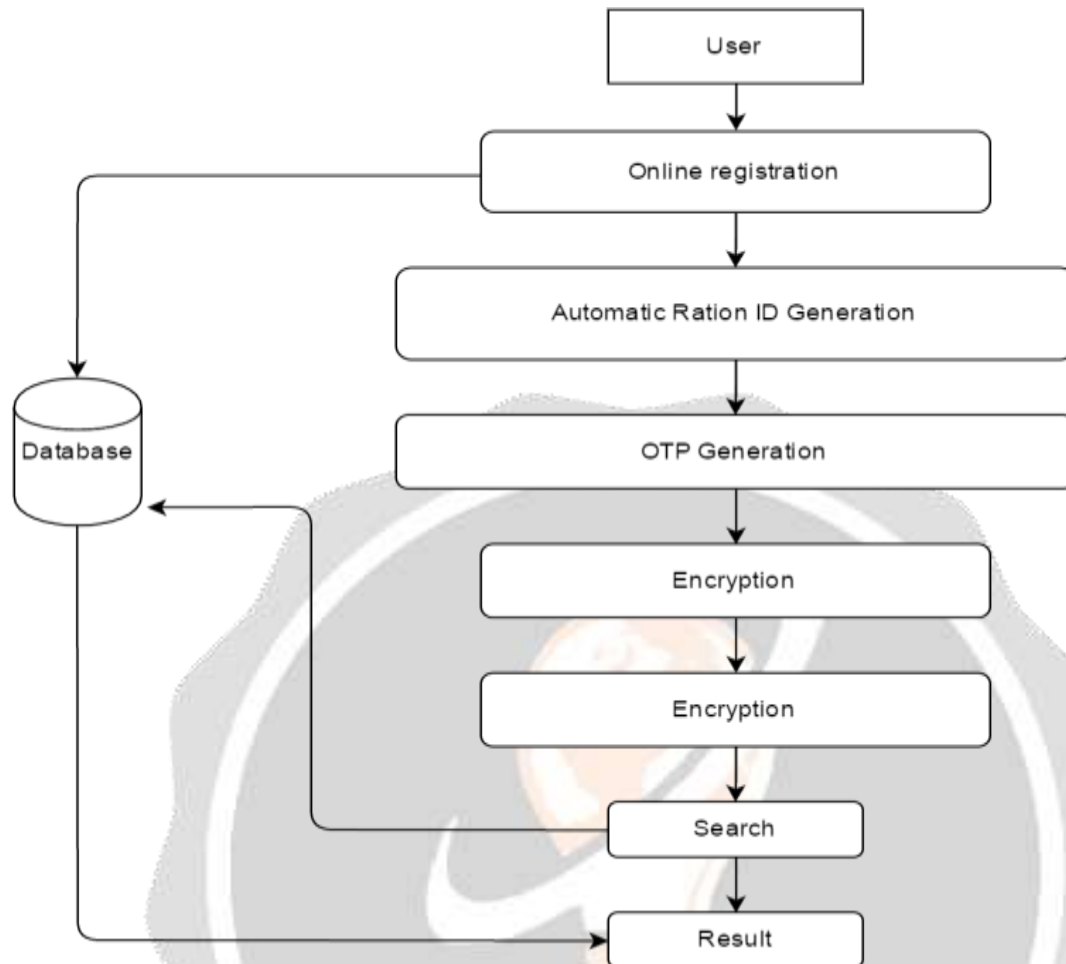Author : Rajesh C. Pingle∗and P. B. Borole
Public distribution system i.e rationing distribution is one of the widely controversial issue that involves corruption and illegal smuggling of goods. One reason of this to happen is because every job in the ration shop involves manual work and there is no specific technology involved in automating the job. Involvement of manual work calls a lots of

irregularities. These irregularities or illegal activities are for example - wrong entries in stock register of shop containing wrong stock information of the products that is ∗Department of Electrical Engineering, Veermata Jijabai Technological Institute, Mumbai, Maharashtra, India †Department of Electrical Engineering, Veermata Jijabai Technological Institute, Mumbai, Maharashtra, India Rajesh C. Pingle and P. B. Borole Automatic Rationing for Public Distribution System (PDS) using RFID and GSM Module to Prevent Irregularities. Page 102 HCTL Open Int. J. of Technology Innovations and Research HCTL Open IJTIR, Volume 2, March 2013 e-ISSN: 2321-1814 ISBN (Print): 978-1-62776-111-6 supplied to the public, sometimes there are chance of distribution of low quality/graded products than the actual products provided by the Government for supplying to the public. In this paper we propose the concept of replacing manual work/job in public distribution system (rationing distribution system in India) by automated system which can be installed at the ration shop with ease. In this automated system we replace the conventional ration card by smart card in which all the details about users are provided including their AADHAR (social security) number which is used for user authentication. This prompted us to interface smart card reader (RFID Based)to the microcontroller (AT89C51) and PC via RS232 to develop such a system.

3. PROPOSED SYSTEM

Public distribution system i.e. rationing distribution is one of the widely controversial issues that involves corruption and illegal smuggling of goods. All these happen because every job in the ration shop involves manual work and there are no specific high-tech technologies to automate the job. Because of intervention of manual work there are lots of illegal activity occurs like wrong entry in register of shop about the amount of products that given to the people, sometimes there is chance of distribution of low quality products than actual product provided by government for poor people, people do not have idea about how much quantity of good provided by government to them etc. In this paper we propose the concept about to replace manual work in public distribution system (rationing distribution system) as E-government is increasingly used to improve transparency in the government sector and to combat against corruption .E-government is being implemented in more areas of government administration for both the local and national levels worldwide. E- Rationing system will reduce corruption in ration shops.

In this paper, online registration will done by user and user will fill his personal information and family information in system. For new user, initially registration will be done by user and Ration Id will be generated automatically. For the security purpose, one OTP will generated. Ration id generated will encrypted and in database. Every time before ration collection, the authorized person needs to go through the verification phase. Once verification is done, quantity that he will collect also logged into the system. All the details regarding to monthly ration provided by government will be available to user by using his ration id.

Fig -1: System architecture of Proposed System.

<u>**Advantages of Proposed System:**</u>

1. False and dummy card ration collection is avoided
2. Corruption in ration shops will be reduced.
3. Transparency in the government sector will be improved.

4. MATHEMATICAL MODE
<u>INPUT**:-**</u>

• Let S is the Whole System Consist of

 • S = I, P,O

• I = Input.

• I = U, A

• U = User

• U ={u1,u2.un}

• A=Administrator

Let U1, U2,..,Un be the set of users, providing the registrartion and getting allotted material. After verify the registration id, access will be given to the specified quantity of the material to the respective user.

Administrator will update the information regarding the material taken by the users.

• OUTPUT:

1. Increased corruption in the Government as well as market sector can be prevented
2. Individual Ration Card search is based on family members

5. CONCLUSION

There are few drawbacks in the existing system, such as all the data is handled manually and there is no technology involved in the system, secondly if the materials are not bought at the end of month, then they will sell too it without any intimation to customers and government. Hence we can overcome these drawbacks using our proposed system

6. REFERENCES

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