

BPL Intruders

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Abstract: *In the existing BPL (below poverty line) card generating system manual work is more and there may be the chances of the scandals. And due to these scandals real poor people does not get the benefits provided by the government due to scarcity of the resources. To reduce these scandals we developed a web based software to reduce the scandals. This can be achieved by validating the details of the applicant against the rules set by the government.*

Keywords: BPL, scandal, validation

1. Introduction

Our government has categorized the citizens of India into the two basic categories they are below poverty line (BPL) and above poverty line people (APL) based on some criteria's set by the central government that is based on income of the family and cost of living that is they should use less than 150 units power, they should not own any four wheelers and their income should be less than 17,000rs pa in urban areas and 12,000rs pa in rural areas. These are the main criteria's should be check while issuing the BPL card.

The state government is providing so many benefits to the BPL card holders like low cost food grains supply, scholarships, medical facilities, kerosene supply, housing facilities and many more etc. These facilities have been used illegally by the people who does not belong to the below poverty line category, thus it causes the scarcity of resources

The main cause for the scandals to happen is that the verification is done manually. This can reduced by the BPL intruder system as it verifies the details entered by the applicant and the BPL card will be issued only if the rules are validated.

2. Aim of the Project

The main aim of the project is to minimize the scandals that are undergoing in the BPL card issuing. Due to this scandals people who get the BPL card utilize the benefits given by the government and thus the rightful BPL card holders does not get the benefits. Thus the BPL intruder system has been implemented to minimize the scandals.

2.1 Existing System

In the existing system, the applicant registers his details in the food civil services office. These details will be sent to the PDO (Panchayath Development Officer), the PDO receives the details and then he verifies those details manually by visiting the particular applicant's home. After the verification process the PDO sends the status whether the details are in accordance or not back to the food civil services office. If the details are appropriate then the card will be issued in some reasonable number of days, else the application will be rejected.

2.2 Proposed System

In the proposed system, the applicant registers the details in the BPL intruder system, this will be done in the food civil services module, the system verifies for the rules and amendments set by the central government. It takes the aadhar card number of the applicant, using the aadhar card number system fetches the details of bank income linked to the applicant's aadhar card number. If the income is according to the rules then the application page will be displayed, if the details of the applicant is validated successfully then the user can enter the details and then he can even add or remove family members. After the successful submission an ack will be sent to phone number of the applicant entered in the form, the user can use this ack to check the status of the card. The user can also apply for regeneration of the card if he or she has lost the card by using the number of card. The admin has a login page, only the rightful admin can login, the admin can set the status of the card by using the ack, then he can also view the details of the lost card applicants. Using this system we can minimize the scandals.

3. Requirements

Software

- Operating system: windows: windows 7 & above.
- Back end: MySQL.
- Front end: JSP, J2EE.
- Browser: Internet explorer
- Web server: Apache tomcat -6.0.1.14 server.
- Development tool: Eclipse(3.4.0)

Hardware

- Processor : Intel core
- RAM: 1GB
- Hard work: 40 GB hard disk and above.

4. System Architecture

The system architecture of BPL system has four major modules they are food civil services module, central government module, verification module, judiciary module. The food civil services module is responsible for registering the user details. Validation also is done in this section. The central government module sets the rules and amendments.

The verification module verifies whether the details registered in food civil services module with the rules set by central government. The judiciary module takes the result of verification module and specifies rejection or submission of the details.

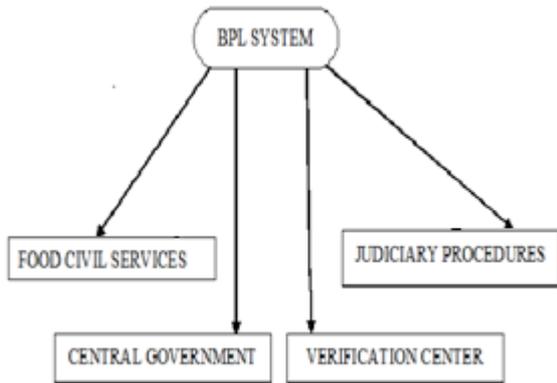


Figure 4: System architecture

4.1 Data flow diagram

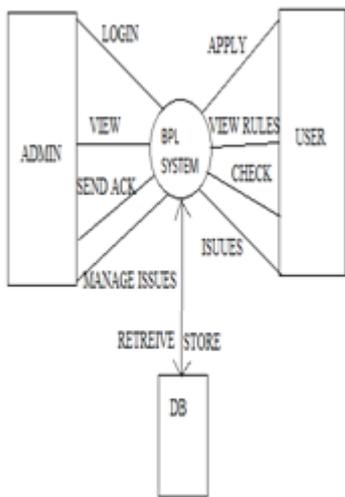


Figure 4.1: Data flow diagram

5. Use Case Diagrams



6. Snapshots



Figure 6.1: Admin login page



Figure 6.2: Set card status



Figure 6.3: View lost card details



Figure 6.4: check the card status

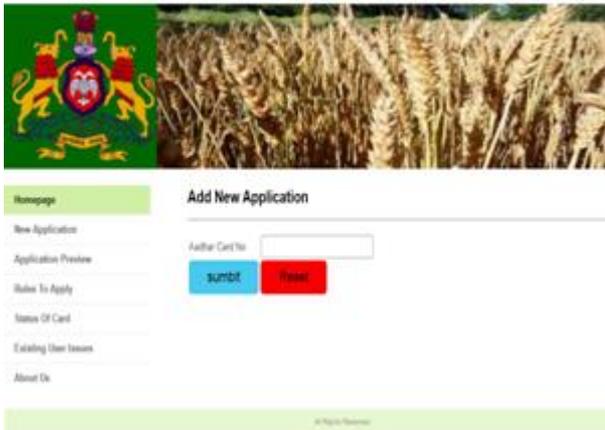


Figure 6.5: Enter Aadhar number to check the applicant



Figure 6.6: New application form of Bpl card



Figure 6.7: User card status

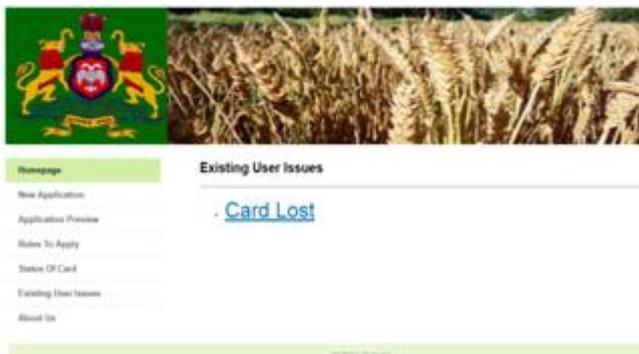


Figure 6.8: Existing user issues

7. Conclusion

The aim of the project is to implement a BPL intruder system that will reduce or minimize the scandals like illegal utilization of the benefits of the BPL card by the people who are not eligible to be rightful BPL card holders. Since such scandals affect the benefits that has to be given for the rightful holders, thus the main aim of the project is to eradicate such intruders. This is done by validating the details of the applicant against the amendments set by the government by this method the intruders can be found and the scandals can be minimized.

References

- [1] From newspaper: <http://www.thehindu.com/news/national/karnataka/bpl-ration-card-holders-to-get-lpg-connection-for-free/article6321750.ece>
- [2] From newspaper: <http://timesofindia.indiatimes.com/city/bengaluru/Karnataka-govt-changes-rules-for-BPL-card-holders/articleshow/53638642.cms>
- [3] Government website [online] <https://india.gov.in/check-ration-card-details-pds-beneficiaries-online>
- [4] <http://unpan1.un.org/intradoc/groups/public/documents/other/unpan022063.pdf>
- [5] Karnataka Government website [online]. <https://aahar.nic.in>