

Project Proposal

Digital Public Distribution System

Project Proposers:

Arun Prasad M (2016103507)

Saijayavinoth T V S (2016103053)

Computer Science and Engineering
College of Engineering Guindy
Anna University

Public Distribution System:

Public distribution system (PDS) is an Indian food security system. Established by the Government of India under Ministry of Consumer Affairs, Food, and Public Distribution and are managed jointly by state governments in India, it distributes subsidized food and non-food items to India's poor. This scheme was launched in India on June 1947. Major commodities distributed include staple food grains, such as wheat, rice, sugar, and kerosene, through a network of fair price shops (also known as ration shops) established in several states across the country. Food Corporation of India, a Government-owned corporation, procures and maintains the PDS.

Problems with current System:

The traditional method of public distribution system (hereafter referred to as PDS) is that it distributes ration to the valid ration card holders. There is a question on the efficiency and transparency of the current system. There is an urgent need to improve the efficiency of this system.

Proposed Project:

Our proposal is to completely digitize the PDS in order to make the system more efficient. There are many bogus cards in the market and hence we have chosen to have AADHAR (Unique Identification for each citizen) as a mandatory requirement to purchase Ration goods. This move will help in reducing illegal movement of ration. Also users will now be able to get the right quantity and the government will also be able to track the ration supplies. i.e. the government can ensure that ration has reached the correct individual in the correct quantity.

Overview of Project:

The project is planned to be implemented in C++ using OOP concepts. The features planned to implement are as follows.

