Department of Computer Science and Engineering

National Social Assistance Programme Scheme

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Introduction

The NSAP was launched on August 15,1995

VISION OF THE PROGRAM:
A society, where all persons are free from undeserved want and deprivation, and lead dignified life

MISSION OF THE PROGRAM:
To reach out to and provide social security to vulnerable sections of society, particularly those living below the poverty line

ABOUT NSAP,
•   The National Social Assistance Program is a welfare program being implemented by the Ministry of Rural Development

•   The NSAP is being implemented in rural areas as well as urban areas.

•   NSAP represents a significant step towards the fulfillment of the Directive Principles in Article 41 and 42 of the Constitution.

•   The NSAP provides opportunities for linking the social assistance package to schemes for poverty and the provision of basic needs.

Objective of the Project

• To provide financial assistance to eligible individuals who are unable to support themselves due to old age, widowhood, or disability.

• To improve the social status of the targeted population by providing them with a regular source of income.

• To promote gender equality by providing financial assistance to widows, who are often neglected in traditional patriarchal societies.

• The NSAP aims to improve the social and economic well-being of vulnerable individuals and promote social inclusion and equality in India.

Literature Survey

YEAR	TITLE	AUTHOR	DESCRIPTION
2021	An Ultralow Complexity String Matching Approach to Screen Content Coding in AVS3	Yufen Yang Kalin Zhou	the string offset vector and string length are very limited, resulting in few bits to code the two parameters and high coding efficiency. Compared with the AVS3 reference software HPM7.0 with IBC disabled,
2021	Parallel Hybrid String Matching Algorithm using CUDA API Function	Sinan Sameer Mahmood	This paper proposed a parallel design of a hybrid string matching called SSTBMQS on a GPU device using CUDA API. The result shows that the parallel version of SSTBMQS algorithm on GPU device using CUDA API function is unappropriated and un-recommended.

Literature Survey

YEAR	TITLE	AUTHOR	DESCRIPTION
2021	A Novel FPGA Architecture of Commentz-Walter Algorithm using Bit-Split String-Matching Engines	Sugandima M.Vidangamachchi	This architecture can match multiple patterns of proteins efficiently when implemented on a Field Programmable Gate Array. Finally, we compare a previously developed hardware architecture of bit-split Aho-Corasick with our bit-split Commentz-Walter architecture.
2020	Study on Fuzzy Identity Authentication Approach based on String Matching	He Jingsha; Li Zhen	The test results show that the proposed approach will not only help complete the identity authentication process, but also effectively protect the password strength and information security of users.

Problem Statement

- The National Social Assistance Programme in India faces several challenges in its implementation.

- One major issue is the limited coverage of the program, as many eligible individuals remain excluded from the scheme due to administrative and logistical challenges.

- Additionally, there is a lack of awareness among the targeted population about the program's benefits and the application process.

Proposed System

The following proposed system could be implemented:

- Digitalization of NSAP
- Targeted outreach
- Increase funding
- Strengthen monitoring and evaluation
- Improve transparency and accountability
- Collaboration with NGOs and community-based Organizations

Software / Hardware used

SOFTWARE USED

- Python
- HTML CSS
- DJANGO

HARDWARE USED

System: Pentium i3 processor
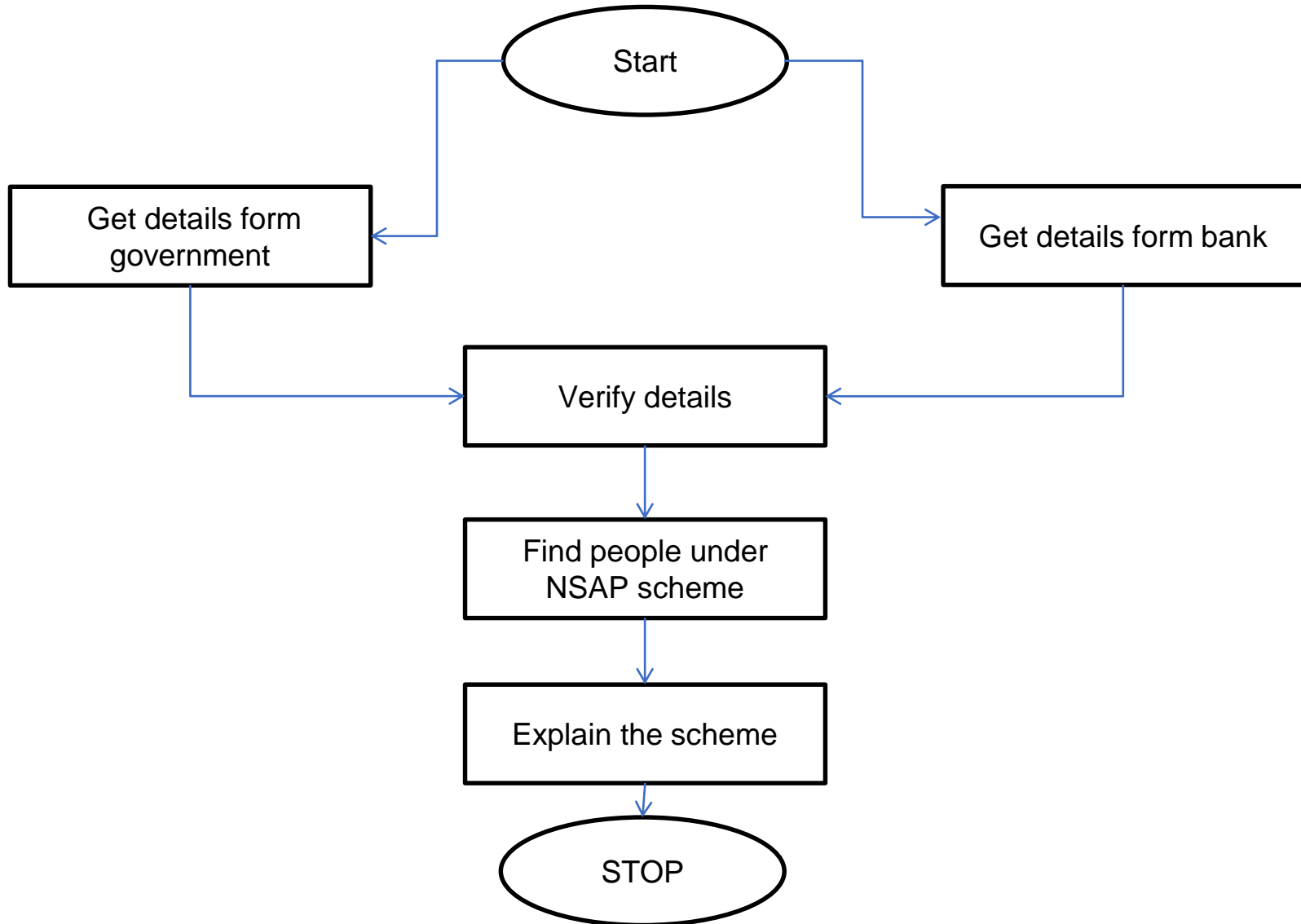Hard disk:500 GB
Input devices: Keyboard,Mouse
RAM: 2GB

Module

The National Social Assistance Programme could have the following modules:

1. Login module
2. eligiblity checking
3. verification
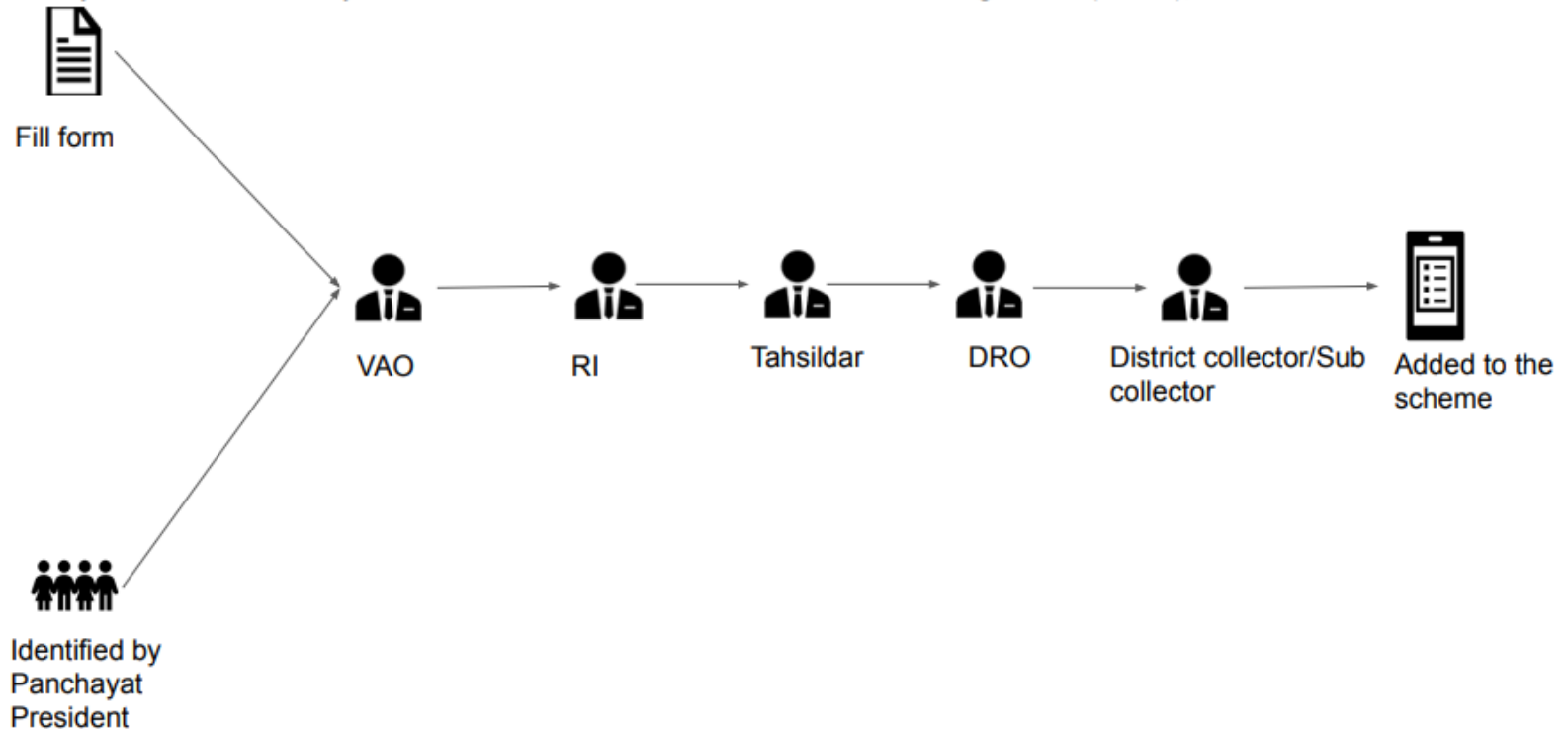4. Approval / Reject

System Design - Flow Chart

```
                          ┌─────────┐
                          │  Start  │
                          └─────────┘
          ┌──────────────────────────────────────┐
          ↓                                        ↓
┌──────────────────┐                    ┌──────────────────────┐
│ Get details form │                    │ Get details form bank│
│   government     │                    │                      │
└──────────────────┘                    └──────────────────────┘
          │                                        │
          ↓                                        ↓
                  ┌──────────────────┐
                  │  Verify details  │
                  └──────────────────┘
                            ↓
                  ┌──────────────────┐
                  │ Find people under│
                  │   NSAP scheme    │
                  └──────────────────┘
                            ↓
                  ┌──────────────────┐
                  │ Explain the scheme│
                  └──────────────────┘
                            ↓
                      ┌─────────┐
                      │  STOP   │
                      └─────────┘
```

Module Description

- Getting the database from the Government sector and from the bank sector.

- By comparing the both database we can identify the people under the NSAP Scheme.

- Till now there are some people who doesn't aware of the NSAP scheme.

- Send the proper guidelines message to the people to get awareness of the scheme.

Module Description

- Tell about the Scheme to the people by calling them.

- Our processing team will help them to get the amount from the bank.

- Update the bank details to the aadhar card to verify that the people has claimed the NSAP scheme.

Architecture diagram

Currently to be added into any scheme under the National Social Assistance Programme (NSAP), the individual must either

Fill form

VAO → RI → Tahsildar → DRO → District collector/Sub collector → Added to the scheme

Identified by Panchayat President

Testing /Performance Evaluation / Results

If the user gives a invalid username and password ,It shows the below picture
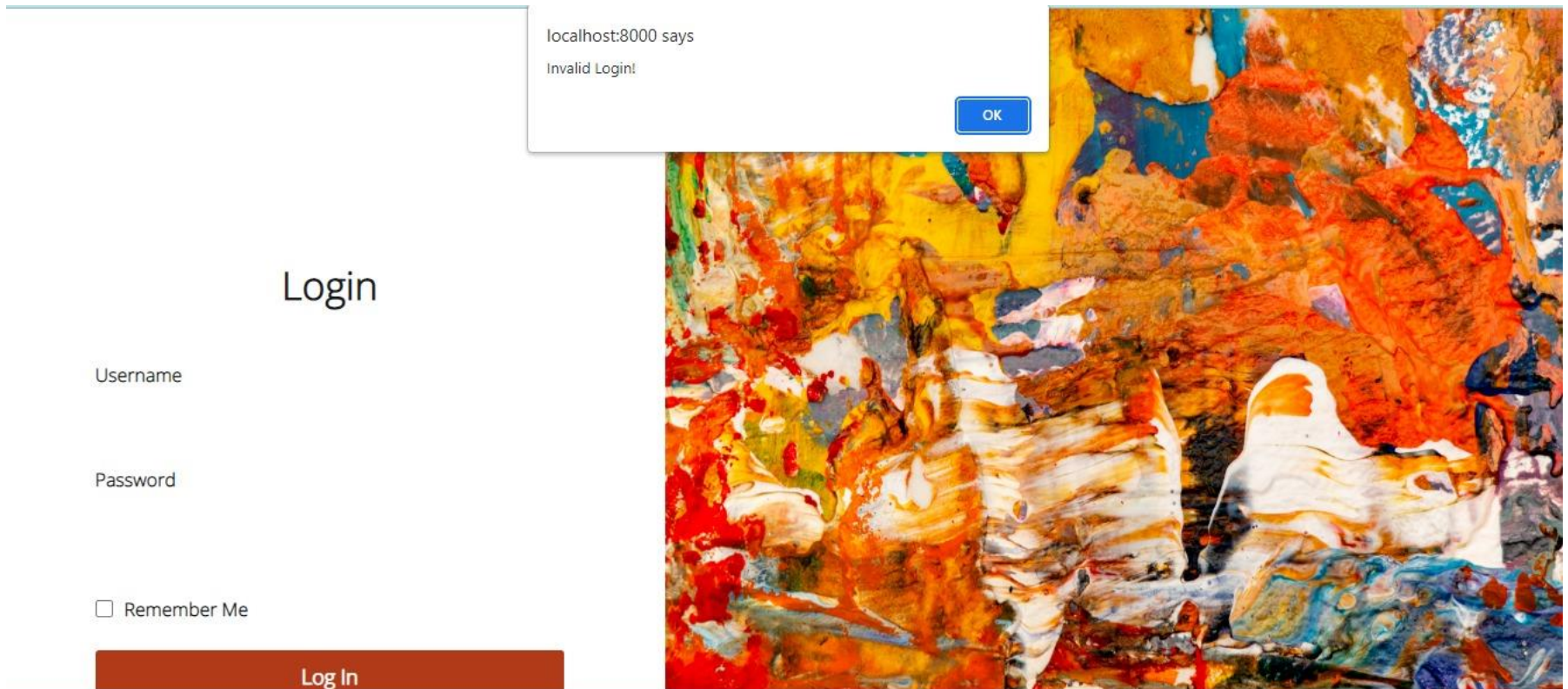
Testing /Performance Evaluation / Results

- If the user enters the correct username and password it move on to the Lvl 1 Dashboard
- Verifying the details with Lvl 1 it moves on to the Lvl2 Dashboard
- Similarly it moves to the Level 3 Dashboard.

The following steps are shown below on the screenshots

Screen Shots
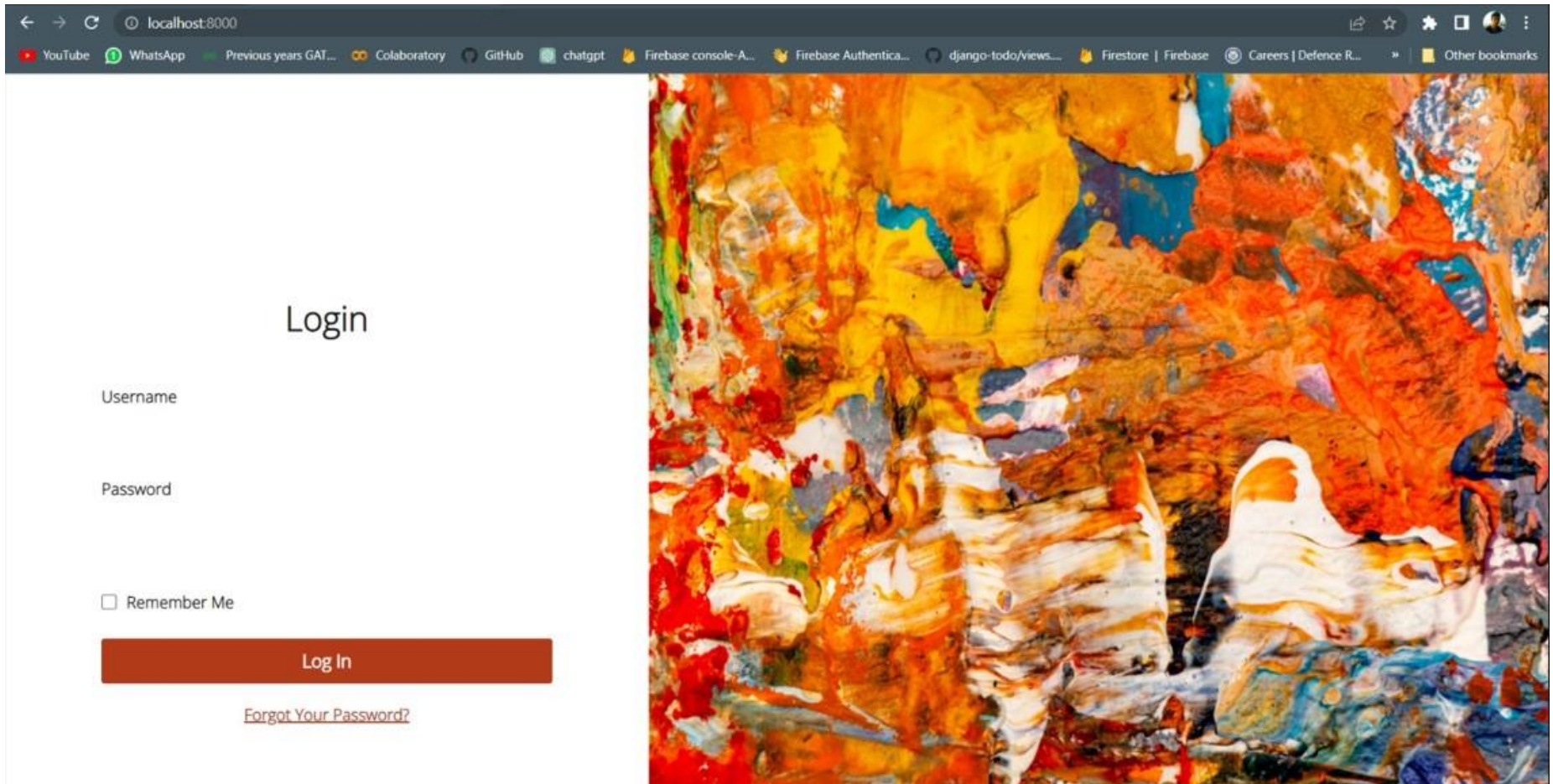
Level 1 Dashboard
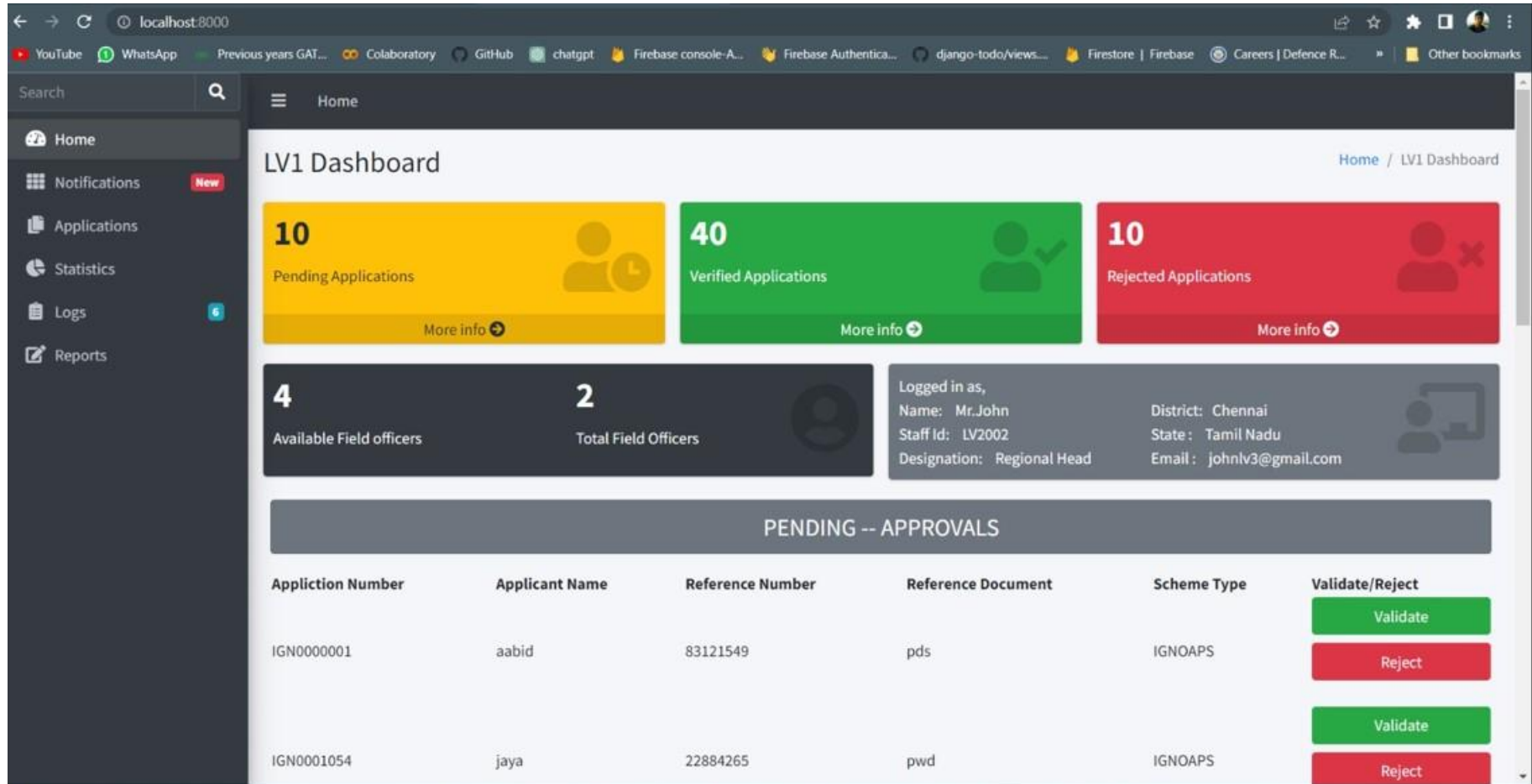
Level 2 Dashboard

Level 3 Dashboard

Conclusion

- The NSAP has been a significant Step towards improving the lives of vulnerable sections of society in India.

- The implementation has helped to provide a basic income to the elderly, widows, and disabled persons, which has reduced their financial insecurity and improved their standard of living.

Reference Paper/ URL

https://www.etsy.com/market/handmade_dresss
www.w3schools.com
www.codegrepper.com
www.geeksforgeeks.org
www.stackoverflow.com
www.studentstutorial.com