



Government Scheme Awareness Through App

Pranav Patil, Ritik Rana, Bikas Maharana, Ashwini Kothawale

¹(EXTC, Viva institute of technology/ Mumbai University, India)

²(EXTC, Viva institute of technology/ Mumbai University, India)

³(EXTC, Viva institute of technology/ Mumbai University, India)

⁴(EXTC, Viva institute of technology/ Mumbai University, India)

Abstract : *Government Schemes in India are launched by the government to address the social and economic welfare of the citizens of this nation. These schemes play a crucial role in solving many socio-economic problems that beset Indian society, and thus their awareness is a must for any concerned citizen. The whole idea of this project is to create a platform which connects citizens to the government and spread awareness of government schemes available based on their eligibility. Provide detailed information of the scheme and complete instruction on how to apply for it. Create a back-end for easy management (change, add and remove) of the scheme database.*

Keywords - *Scheme, Awareness, Application, Government, Communication.*

1. INTRODUCTION

1.1 Importance of project

Government Schemes are launched by the government of India to address the social and economic welfare of the citizens of this nation. These schemes play a crucial role in solving many social and economic problems that beset Indian society, and thus their awareness is a must for any concerned citizen. Government utilizes significantly large amount of money to spread awareness about these schemes through different advertising mediums. Our app acts as a bridge between Government and society. You just have to put information like location, gender, age, profession, and area of interest (finance, education, health etc) and the app tells you which government scheme suits your interest.

1.2 Motivation

As a student & future employee I was interested in what government has to offer us to help my career life. So while researching I ended up on the official government site where a variety of schemes were displayed but I was finding it difficult while going through which scheme will be applicable to my criteria because there was no proper search engine used. So I came up with the idea of making a government schemes app which is user friendly which saves time by giving you the proper result eligible with your criteria you have chosen by developing an accurate search engine.

1.3 Organization of the report

This report is the overview of how the project will be built. It contains all the basic information of making this project. This synopsis contains the literature review in which we have mentioned some of the papers we have studied during this course. Further in this paper we have described the design methodology, that how we will make this project done step by step description. The tools, hardware and software that are required in this project are also mentioned below.

2. Literature Survey

Sr No.	Title of paper	Author	Publication and year	Work Done
1	Transformation of government through information technology by cloud computing.	Mukesh Kaluti, K. C. Rajant, Rohit Prakash	IEEE 2020	This research work enclucidate the process of central state and local government admin interact with citizens using simple android application.
2	Design and implementation of a MySQL database backup and recovery system	Yu Ping, Hu Hong=Wei, Zhou Nan	IEEE 2019	To Prevent data loss and damage in MySQL database for a variety of causes.
3	The communication system between web application host computer and embedded system based on Node JS.	Dhing Sang, Fujin Lu	IEEE 2018	In order to realize the communication between the web applocation and embded system
4	Research on the E-Government scheme based on multi technology and bi-directional authentication	Li Liangzhi	IEEE 2008	In this paper e-government identification solution is proposed.
5	Comparison of importance of mobile government application.	Rully Alaxander, Andhika Prabhavati, Djoko Budiyanto	Isemantic 2018	Impact of android application on information flow between Gov and socity
6	M-Government in the local level: An exploratory study	Azi Lev-on,	IEEE 2018	Usage of mobile application to connect government and socity
7	Emerging mobile application an app to improve literacy and communication for disabled pesone	Hananel Rosenberg	IEEE 2017	This work deals with evolving technology in making android app for the disabled person
8	Utilizing mobile application as a channel of interaction between the citizen and the government	Ahmed Ghazi	IEEE 2015	Mobile technology are enhanced with distinctive feature that provide government agencies with more efficient and convenient service
9	Enhancement on privacy permission management for android apps	Supriya S Shinde, Santosh Sambare	GCCT 2015	Providing new approach for handling privacy permission management to android application
10	Design and development of E farm with SCHEME	Sumruddhi Khadare, Sushipti Fawade, Varsha Turkar	RISE 2017	To build an agricultural website and mobile app for the farmer with a good and increased usability.

3. Methodology

This topic will tell us about how we will make this project? What will be our approach? And how far we can reach with the amount of resources we have. Let us go through the block diagram to get the basic understanding of the approach.

Create Database of Govt. Scheme and connect this database to android app. Create Govt. Account and connect it to Scheme Database. Create Citizen Account and connect it to Scheme Database. Citizen account can login app and brows scheme, search for which scheme they are eligible and acquire all the information they needed.

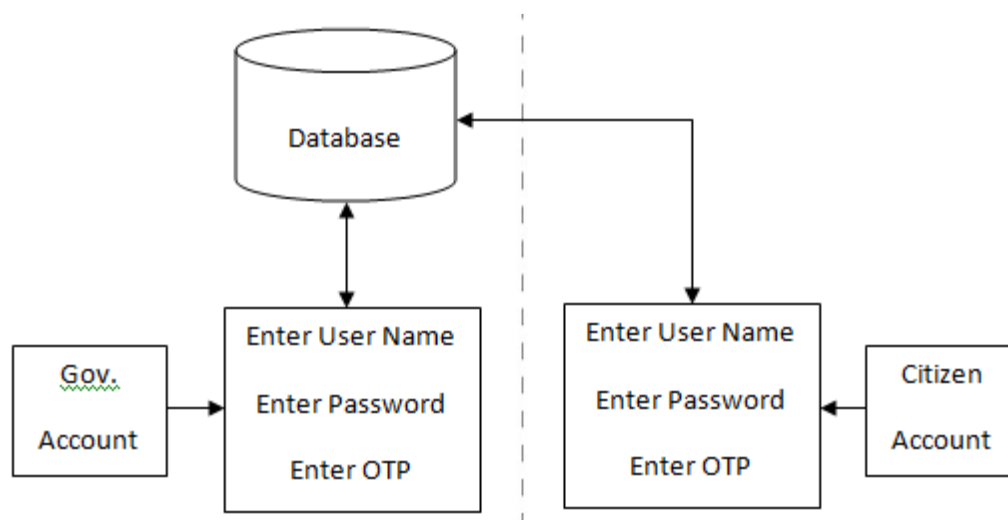


Fig. 3.1 Architecture

Govt. account login the app and can control database (Add, delete, edit) if required. Implement key word based search and tag based filter. Build user friendly GUI. This app also has features like rate scheme, comment which help Govt. to gather information like how citizen react on certain scheme (like it or not). Help government to aware citizen by putting posts and sending notification through app.

4. Tool Required

4.1 Visual Studio Code

To write any line of code and execute it an IDE is required. It provides many facilities to application developer. To develop this project visual studio code is used.

4.2 React Native Framework

It is very powerful framework used to create attractive and beautiful user interface. App development become easy and efficient in terms of time and cost.

4.3 Java Programming Language

Java is one of the oldest and very trusted programming language for app and mobile development which is widely used among software developers across globe.

4.4 MySQL

SQLite is an open source SQL database that stores data in device in form of text file. Android comes in with in build SQLite database implementation

4.5 Oracle

Oracle provide SDK (software development kit) for android mobile platform.

5. Conclusion

Using this app citizen can easily aware about government schemes which are available for them and then take benefits of it. Government easily aware citizen about schemes and reduce advertisement cost. Further improvement can be done by making app available in multiple language and adding feature - applying for government scheme using app.

REFERENCES

Journal Papers:

- [1] "Transformation of government through information technology by cloud computing" by Mukesh Kaluti, K. C. Rajant, Rohit Prakash IEEE 2020
- [2] "Design and implementation of a MySQL database backup and recovery system" by Yu Ping, Hu Hong=Wei, Zhou Nan IEEE 2019

- [3] “The communication system between web application host computer and embedded system based on Node JS” by Dhing Sang, Fujin Lu IEEE 2018
- [4] “Research on the E-Government scheme based on multi technology and bi-directional authentication” by Li Liangzhi IEEE 2008
- [5] “Comparison of importance of mobile government application.” By Rully Alaxander, Andhika Prabhavati, Djoko Budiyanto IEEE 2018
- [6] “M-Government in the local level: An exploratory study” by Azi Lev-on IEEE 2018
- [7] “Emerging mobile application an app to improve literacy and communication for disabled person” by Azi Lev-on IEEE2018.
- [8] “Emerging mobile application an app to improve literacy and communication for disabled person” by Hananel Rosenberg IEEE2017
- [9] “Utilizing mobile application as a channel of interaction between the citizen and the Government” by Ahmed Ghazi IEEE2015.
- [10] “Enhancement on privacy permission management for android apps” by Riya S Shinde, Santosh Sambare GCCT2015.
- [11] “Design and development of E farm with SCHEME” by Sumruddhi Khadare, Sushipti Fawade, Varsha Turkar RISE2017.
- [12] “EGG (Enhanced Guided Google) – A Meta Search Engine for Combinatorial Keyword” by Vishwas Raval and Padam Kumar ITNU2011.
- [13] “Learning analysis of mobile JavaScript frameworks” by Hugo Brito, Álvaro Santos, Jorge Bernardino, Anabela Gomes CISTI2019.
- [14] “Comparative Study of Syntactic Search Engine and Semantic Search Engine: A Survey” by A.C. Santha Sheela and Dr.C.Jayakumar ICONSTEM2019.
- [15] “React-Native Based Mobile App for Online Experimentation” by Xingwei Zhou, Wenshan Hu, Guo-Ping Liu IEEE2020.