



VILLAGE DEVELOPMENT SYSTEM

Cibi Chakaravarthi J¹, Krishnan K², Veeraragavendhira G³, Yokesh K⁴, Hemalatha V⁵.

^{1,2,3,4}UG Student, Department of Computer Science and Engineering

⁵Assistant Professor, Department of Computer Science and Engineering
N.S.N. College of Engineering And Technology, Karur, Tamil Nadu, India.

ABSTRACT

The development of a country depends on the village's development. As part of the smart village concept, we need a system that helps in development of villages in the areas like Primary education, people's healthcare, Roads and Transportation, Drinking water facilities, government policies awareness and availability of basic facilities/infrastructure. This application helps the members to collaborate, plan, assess and implement different activities and learn with others experience/feedbacks and suggestions. Smart Villages - the community, individuals and collectively, will be empowered to take smart decisions using smart technologies, communication and innovations. The Partner(s) will be encouraged to bring in innovative ideas, technologies and resources and disseminate information on global and local best practices to facilitate learning and accelerate achievement of the program outcomes. A Smart Village is an urban environment able to actively improve life quality. Smart Village can facilitate life and satisfy the needs of people, companies and organizations, thanks also to the widespread and innovative use of technology, especially concerning communications, mobility, environment and energetic efficiency. The administrative module helps you to customize Search to meet the needs of your users. This module gives information that serves as the backbone for the rest of the system. Security issues are taken care of through this module as well by defining user rights. Using this application the user can check the government scheme also. In this project the admin can add and update the government scheme details. The registered user can get the automatic notification for scheme details. Using this mobile application the user can get the government scheme details and also user can post any complaint related to government department like electricity, water and transportation.

KEYWORDS- Village Development System, Road recovery, Android Application, Complaints of Villages, electricity .

INTRODUCTION

Problems in towns are unknown to federal government. The advancement of a nation depends on the village's advancement. As a part of the smart village idea, a system that assists in advancement of towns in the locations like Primary education, individuals health care, Roads and Transportation, Drinking water centres, federal government policies awareness and accessibility of standard facilities/infrastructure was required. Numerous people live in remote rural village neighbourhoods. Until such neighbourhoods have access to contemporary energy services, little development can be made to establish their economies and enhance their lives. In each of the 6 areas, a significant global workshop that brings together the varied set of gamers from throughout the area, offering a revitalizing and open environment favourable to create brand-new insights was framed for utilization.

India is a country dominated by villages, so development of India is based on the development of villages, but because of lack of communication problems in villages they do not have central communication system.

Also, villagers do not have sufficient knowledge about electricity complaints, water complaints, important announcement in village, etc.. To overcome this problem and to help villagers, an android application was developed for them to know all important information. This application functions as a notice board to share all necessary information to farmers. It provides centralized management system.

A large number of Indians are living in village; hence it is necessary to include their point of view to make India smart. Now this is the time to change the views of rural people as they are using smart mobile with many useful applications. Modern information technology is very easy to change their views and understand the concept of smart village. A smart village means where a person can able to speak and for work to respect each other. Large number of people requires a large amount of resources in our country. In rural areas, it is very difficult to provide digital devices to every village people. This system is developed after understanding life of the village people and how smartphones are used to enhance life of people who live in village area.



After getting independence in 1947, it was believed that our nation progress a lot by adapting the advance technologies from western powers but due internal rational disagreement on the foreign materials India lacked this opportunity and didn't adapted to new technologies. As the time passed on and development in computerization created a revolution in 1990's Indian people came to know about the importance of automation and now in 21st century it became a great need.

Current system has lots of drawbacks as it requires lots paper work, manpower which is infeasible and over the more accuracy is low with high probability of corruption. Understanding all this a system was developed which can reduce all the hard work to zero and yield great result.

ANDROID OVERVIEW

Android is a mobile operating system developed by Google, based on the Linux kernel and designed primarily for touch screen mobile devices such as smart phones and tablets. Android's user interface is mainly based on direct manipulation, using touch gestures that loosely correspond to real-world actions, such as swiping, tapping and pinching, to manipulate on-screen objects, along with a virtual keyboard for text input.

In addition to touch screen devices, Google has further developed Android TV for televisions, Android Auto for cars, and Android Wear for wrist watches, each with a specialized user interface. Variants of Android are also used on notebooks, game consoles, digital cameras, and other electronics.

World is contracting with the growth of mobile phone technology. As the number of users is increasing day by day, facilities are also increasing. Starting with simple regular handsets which were used just for making phone calls, mobiles have changed our lives and have become part of it. Now they are not used just for making calls but they have innumerable uses and can be used as a Camera, Music player, Tablet PC, T.V., Web browser etc . And with the new technologies, new software and operating systems are required.

MY SQL

MySQL is the world's most used open source relational database management system (RDBMS) as of 2008 that run as a server providing multi-user access to a number of databases. The MySQL development project has made its source code available under the terms of the GNU General Public License, as well as under a variety of proprietary agreements. MySQL is a popular choice of database for use in web applications, and is a central component of the widely used LAMP open source web application software stack—LAMP is an acronym for "Linux, Apache, MySQL, Perl/PHP/Python."

EXISTING SYSTEM

In previous days, if any problem occurs in the village, people have to go and ask higher authorities, and also there is no interaction between people and higher officials. So they have to solve their own problems as there is of no communication between Rural and Urban people. They need to write a complaint letter about the problems faced by the people and handover it to the higher officials. It was a very difficult scenario.



Complaint drafting

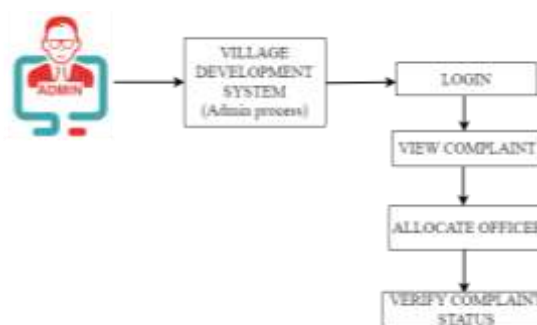
DISADVANTAGES

- It takes 2 or 3 days to submit the complaint to the officials.
- The officer should be attentive for the complaints submitted and must solve the problem but its not sure they will be attentive.
- The user need to visit the office to know the status of the complaint posted by them.

MODULE DESCRIPTION

ADMIN LOGIN

In this module, admin login to the system to view the complaint information. He is responsible for the overall system. He can retrieve the information from database.



Admin process

- **LOGIN**
The admin can login to the admin portal using the login credentials such as user name and password.
- **VIEW COMPLAINT**
After the login, the user admin can view the complaint posted by the user based on the department.



• **ALLOCATE OFFICER**

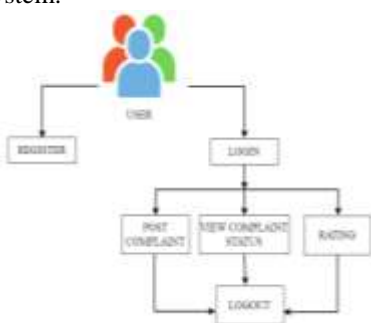
The officer is allocated by the admin to process the complaint based on the department.

• **VERIFY COMPLAINT STATUS**

The admin can monitor the complaint status that is allocated to the officer whether it is processed or not.

USER LOGIN

In this module, user can register their details such name, gender, age, phone number, district and so on. After that he gets user name and password for authentication and login to the system.



User process

• **REGISTER**

The user should be register to the application for posting the complaints in it. The user registration have the credentials such as Name, User name, Aadhar number, contact number, Area, District, Password.

• **LOGIN**

The user can login to the user page by using the username and password created by the user in the registration process.

• **POST COMPLAINT**

The user can post the complaint of their problem in the user page. It requires the user details such as Area, District, Complaint department details, Location and images regarding the complaint. All the credentials should be entered to post a complaint.

• **VIEW COMPLAINT STATUS**

In this, User can view the complaint status, Officer allocation for the complaint verification and the officer details who were allocated to rectify the complaint.

• **RATING**

The rating can be allotted to the officer by the user after the work completion of the complaint posted. The rating can increase the value of the officer.

• **LOGOUT**

After posting the complaint or after viewing the complaint status or after rating the officer, the user can logout of their account form page.

OFFICER LOGIN

In this module, officer registers their details such as officer name, gender, age, department, phone number, and mail id and so on. Officer can login to the system and to view complaints information in their page.



Officer process

• **DEPARTMENT LOGIN**

The officer should login into the page using the department login tab. The credentials such as username and the password is used to login to the department after the registration.

• **OFFICER DETAILS**

After the login, the officer can view the other officer details through his login.

• **COMPLAINT DETAILS**

The officer can view the complaint details posted by the user. He analyses the nature of the complaint and allocated the persons who are experts to rectify the problem.

• **ALLOTTED OFFICERS FOR THE WORK**

The officer can view the works allotted to other officers by his login through the department page.



WORK STATUS

The work status and the completion of the work can be updated by the officer in the portal.

LOGOUT

After the verifying officer details or after viewing the complaint details allocated to the officer or after viewing the work status, the officer can logout of their account form page.

COMPLAINTS INFO

Complaints information is collected from various departments such as water, bus transportation and other miscellaneous issues. This information is stored database for further notification.



Complaint

NOTIFICATION MODULE

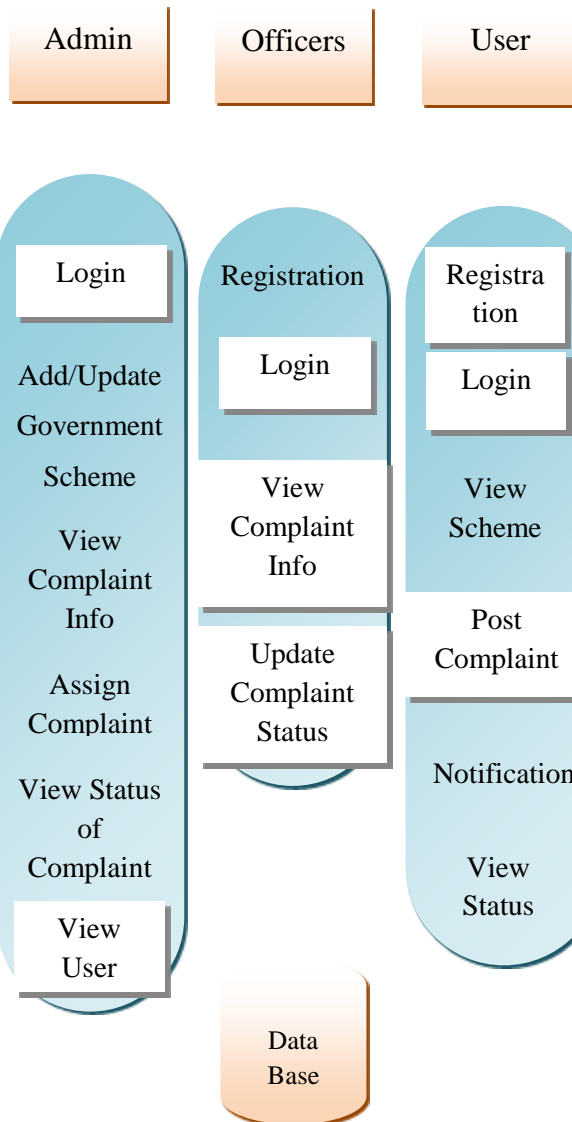
In this module, notification alerts is sent to each user account and also specify the pending complaints to each department. User can login to the account to view the all information in their page.



Notification

SYSTEM ARCHITECTURE ARCHITECTURAL DESIGN

VILLAGE DEVELOPEMENT WITH GOVERNMENT SCHEME SYSTEM USING ANDROID





A system architecture or systems architecture is the conceptual model that defines the structure, behaviour, and more views of a system. An architecture description is a formal description and representation of a system, organized in a way that supports reasoning about the structures and behaviours of the system. System architecture can comprise system components, the externally visible properties of those components, the relationships between them. It can provide a plan from which products can be procured, and systems developed, that will work together to implement the overall system. There have been efforts to formalize languages to describe system architecture, collectively these are called architecture description languages.

Various organizations define systems architecture in different ways, as -

- An allocated arrangement of physical elements which provides the design solution for a consumer product or life-cycle process intended to satisfy the requirements of the functional architecture and the requirements baseline.
- Architecture comprises the most important, pervasive, top-level, strategic inventions, decisions, and their associated rationales about the overall structure (i.e., essential elements and their relationships) and associated characteristics and behaviour.
- If documented, it may include information such as a detailed inventory of current hardware, software and networking capabilities; a description of long-range plans and priorities for future purchases, and a plan for upgrading and/or replacing dated equipment and software

CONCLUSION

Smart village system is a less time consuming system as the execution happens faster than usual as the time taken to get complaints Form analysis is reduced in terms of computerized feature generated to fill the form. It will be helpful to members as well as to admin to check and know the status of the complaints of the members. We are implementing a system in which the department Recent Approaches. New Delhi send the list of members who has submitted the complaints to the administrator. We can take the actions on the complaints which include the details such as water details, bus details and so on. These details are stored and updated easily and it is user friendly to administrator and other members. It takes less time for the operator to get use-to with the system.

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