SOFTWARE REQUIREMENTS SPECIFICATION

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SMARTER VILLAGE

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1.INTRODUCTION

1.1 Purpose
The purpose of this document is to describe the manual process easier by making it a computerised system. It deals with the development of a village with the help of government and social service groups .

1.2 Scope
The panchayath head can view the complaints, public needs and requirements, comments or messages from publics of a village. The public can post their views regarding the development of their village, post complaints, public needs and requirements which will be verified by the panchayath. This site provides the details of the Govt. Authorities, sponsors etc of the village.

1.3 Product perspective

1.3.1 System interfaces
This web application is runs in the latest version of chrome or any web browser on Windows, Linux and Mac

1.3.2 User interfaces
In this application user interfaces includes menu bars, text boxes, buttons,hyperlinks are used to the user can perform operations on the application.
1. Registration page
2. Login page
3. Development page shown the current developments of the village
4. Complaint and charity service page

1.3.3 Hardware Interfaces
Proper internet connection must needed in this application for proper working.

1.3.4 Software Interfaces
It requires Database for storing the information about the user's ,development details,charity ,details of complaints and alert details for that we use MYSQL database system.

1.3.5 Communications Interfaces
The communication is possible via HTTP/S protocol. Because a client and sever model is followed by this application. It a connection less and stateless protocol.

1.3.6 Memory constraints

Memory constraints of this application is low level. Use small amount of memory for processing and storing information.

1.4 Product Function

The application is used to easily handle the user's information and also reduce the delay of information getting from the village office and further operations for the user's. village officer's contains all information about the appropriate punchayath corresponding ward and including people. Officer's can pass alert for a particular message. The information can be retrieved with high speed and accuracy.

Main functions are:

1.4.1 Admin login
1.4.2 User login
1.4.3 Add development details
1.4.4 Add complaints details
1.4.5 Add charity details
1.4.6 Alert message

1.5 User characteristics

The users of the system are the people of the village. A new user register their details for creating an account. They can view all details of officers, developments and charities. Users can also add their problems.

1.6 Assumptions and dependencies

Internet must need for a good processing and working of the software.

1.7 Acronyms and abbreviations

We use hyperlinks, bold letters and italics. Each of provide different uses.
Bold letters pointing important functions of the application. Italics describes notes.

1.7.1 Admin

The admin controls the system and complaint's regarding their village problems, details of the developments and its processes.

2. REQUIREMENTS

2.1 External Interfaces
The software engineering different types of interfaces are used. Most important interfaces are User Interface, Software Interfaces and Hardware Interfaces.

2.1 .1 User Interfaces
User can interact with page which is developed by php and html.

2.1.2 Hardware Interfaces
It contains IPV6 format based local address of the system.

2.1.3 Software Interfaces
In software interface system interact with the content manager to obtain product specification

2.1.4 Communication Interfaces
The project is based on a client server model so that the communication interfaces contain a HTTPS(Hyper Text Transfer Protocol).

2.2 Functions

2.2.1 Admin login
Admin should provide their village details including wards and corresponding developments

2.2.2 User login
User should add their details for login that contains name, address, contact numbers etc, and also add their email id for conducting meetings.

2.2.3 Add developments details
Users can view the developments of their wards and punchayath.It contains subsidies, which categories persons can apply.

2.2.4 Add complaints details

Users can add their complaints subject to their land property, developments and other social issues.

2.2.5 Add charities details
Users wish to participate social services groups or charities they can be add requests in this location. Schemes of charities and appropriate organization or person details are listed

2.2.6 Alert message

If any meeting are occur in the panchayath then that information is switched to users by the message. Which helps to conduct the meeting in that time.

2.3 Usability requirements

Users can be use this software easily.

2.4 Performance requirements

The performance of the project is fastly load. There is no lagging in the contents of this software will appear. So that the initial part of the loading is smoothly done.

2.5 Database requirements

Database requirements contain store the information in a table format.
MySQL provides the enterprise data management platform the organization needs to adapt quickly in a fast-changing environment

2.6 Design constraints

Design constraints include two main factors, one is time taking for designing a software. But it is not related to the designing page were load. Second is the cost for design a software.

2.7 Software system attributes

The software is user friendly so all the data inputs are collects from users and analyse it.

3. VERIFICATION

Verification is the process of check all the given requirements are fully and completely present in the last product. Over all aspects of verification is local checking and conformance checking. Main aim of the verification is checking the development of the product in right way.

4.REFERENCES

Software Requirement Specification Document for ReqView