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## **GRAMA PANCHAYAT MANAGEMENT SYSTEM**

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### **ABSTRACT**

Grama Panchayat Management System are the essential part of our lives, providing development in our village due to change in technology development. We decided to develop web and android application for Grama Panchayat Management System.

It is necessary for the Grama Panchayat to keep track of its day-to-day activities & records for e.g. Funds Management For Water And Sanitation Facilities In A Village, Ensuring Safety Of Drinking Water In Gram Panchayat, Road Management, Street Light Management, Heir And Death Certificate Management, Funds Report Generation.

Keywords— village management system, Grama Panchayat Management system.

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### **INTRODUCTION**

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But keeping track of all the activities and their records on paper is very cumbersome and error prone. It also is very inefficient and a time-consuming process observing the continuous increase in population and number of people visiting the Grama Panchayat.

Recording and maintaining all these records is high unreliable, inefficient and error-prone. It is also not economically & technically feasible to maintain these records on paper.

This Project gives the idea from smart cities to smart villages management. It focuses on the key areas of interest in the village perspective and also evaluates the applications in those areas. It also provides a comprehensive view with respect to improvement in the quality of life in villages. There is a need for designing and building smart villages which are independent in providing the service and employment and connected to the whole world. Smart villages will be connected to villages via information and communication technologies (ICT) used to access internet.

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### **LITERATURE REVIEW**

#### **2.1 Honorable Neman B. Rice (1998) [1]**

In this paper have written by a former mayor of Seattle, this article describes the smart growth movement as a way to sustain the livability of a large urban center in the twenty-first strategy. It mainly describes problem facing urban area experiencing population growth, traffic, rising housing prices, and scarcity of open spaces. The smart growth movement seeks to address these problems in a cost effective and environment-friendly manner. Specifically, it seeks to do so through increased citizen participation in development decision a constructive dialogue regarding the development of individual neighbourhoods. Ultimately the goal of the movement is to make urban areas more attractive to live and work in, creating both investment and jobs. This article describe some of the community sacrifices required by the movement, including and the separation of the middle and upper-income households from the urban poor, low-density residential neighborhoods, dependence on the automobile.

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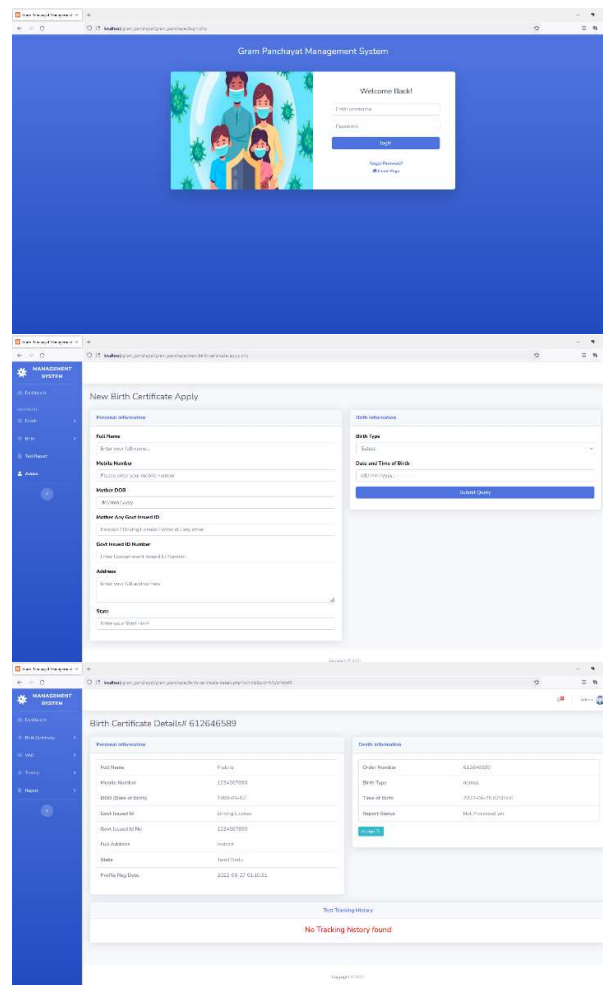
### **RELATED TECHNOLOGY**

Different technologies are used to develop this application. The technologies are GPS, Android, XAMPP, PYTHON and MYSQL. Familiarization of these technologies is given below:

#### **A. Android**

The Android operating system is made-up of a virtual machine that runs on the Linux kernel, plus APIs and built-in applications. The open source code under the Apache License is released by Google. Additionally, Android has a large community where developers write application in a customized





## CONCLUSIONS

In Conclusion, by using this application, the Grama Panchayat Management System are become easy. This project can later be expanded on a larger scale and also helps the Local Villager develop healthy customer relationships by providing reasonably good services.

It can be summarized that the future scope of the project circles around maintaining information regarding: We can give more advance software for including more facilities.

We will host the platform on online servers to make it accessible worldwide. Create the master and slave database structure to reduce the overload of the database queries. Enhancements can be done to maintain all the Village Information.

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