
“e-GRAMPANCHAYAT”

¹SAGAR BANKAR

Department of Computer Engineering, Vidyalankar Institute of Technology, Mumbai
Sagar.bankar@gmail.com

²ROHIT JAIN

Department of Computer Engineering, Vidyalankar Institute of Technology, Mumbai
rohit.jain@gmail.com

³ZAID SHAIKH

Department of Computer Engineering, Vidyalankar Institute of Technology, Mumbai
zaidshaikh1049@gmail.com

⁴PROF.SACHIN DESHPANDE

Department of Computer Engineering, Vidyalankar Institute of Technology, Mumbai
Sachin.deshpande@vit.edu.in

ABSTRACT: *Today's age is the age of innovations and technological revolutions. Digitalization is the new form of revolution which is encountered in each and every field of the current modern world. In this current advanced generation, individual information holds a very important value for any administrative organization. Information can be processed and presented in day to day life. Management of information is an important part of the daily life cycle and is much needed when it comes to administrative work. We know managing data can be a very tedious job and specially maintaining it can be a very huge task. Hence a data can be stored in the most efficient way that is by digitizing it. The main purpose to initiate this was to take a step towards making "The Digital India" campaign a grand success. Many rural areas are deprived of advanced facilities which slow them down in the race for development. This project would revolutionize the functioning of the administrative departments in the rural areas and this is not the end, this initiative would also become a source of employment in the rural areas.*

Keywords: Digital India, rural areas, Digitalization.

1. INTRODUCTION

The application software will keep a track of people by conducting online registration. The registration would be highly customized. This project will make the administrative work of the Grampanchayat members very easy as all the operations would be performed on the computer machine and paperwork would be minimized. The project allows the computer operator to save the information of people. The software would be doing administrative tasks such as registration, calculation of taxes, giving the certificates (ex. Certificate for address proof, birth certificate and death certificate) to people, information about the collection of taxes and all over the salary distribution, etc. This project would be helpful for Grampanchayat members as it would ease them from the load of maintaining paperwork. Not only the administration, but also the villagers will be free from the hectic paperwork and also the delays that are mostly faced by administrative offices in the rural areas

2. LITERATURE SURVEY

The main motive behind developing this software was to work towards digital India. The idea of a minimized paperwork system came into our mind after visiting some of the Grampanchayats in the rural areas which made us realize that the administrative work can be done in a more digitized manner which would be more systematic and organized. The idea will not only digitize the working system in rural areas

but will also provide be a source of income in the villages. For this we visited many Grampanchayat offices, including Grampanchayat office kandli Dist. Amravati, Grampanchayat office Ghatladki Dist. Amravati, Grampanchayat office Lonagra Dist. Akola and Grampanchayat office Colwad Dist. Buldhana and got familiar with various operations that is done in their offices daily. We also came across the problems that are faced by the offices which made us develop this software.

3. NEED FOR THE APPLICATION

The main objective is to avoid paper usage and digitize the administrative process. With this idea the administrative work in the rural area would become very easy as every single task, such as issuing a birth certificate would be done by the software and also all the data would be kept safe in the database which will ensure data's safety and integrity which was not guaranteed with the registers. Today the information can be used in day to day life. This age is the age of information. In every District there are number of Grampanchayats all the work of Grampanchayat offices can be done on paper. It is difficult to store different records such as birth registration, death registration, person registration, employee registration, member registration, records of taxes and records of expenses etc. in different section and problem occurred while finding the records. For the purpose of saving time and effort, try to reduce paperwork and to solve the

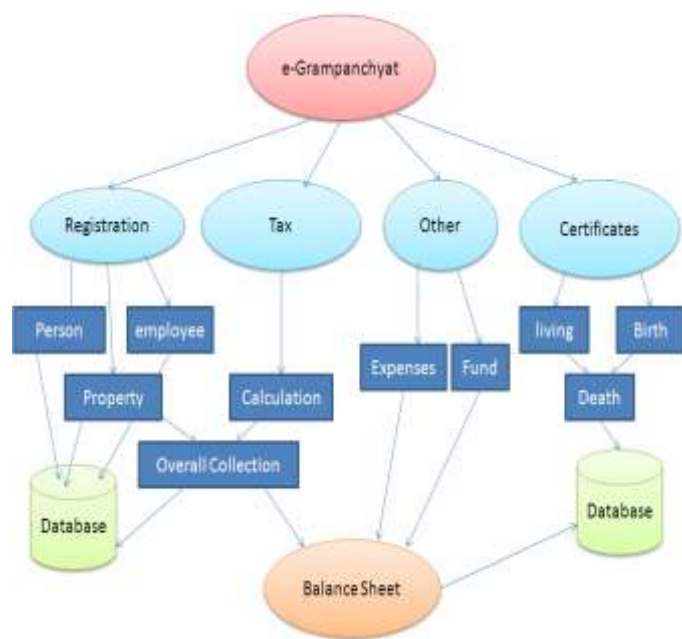
problem of record finding we think to develop software for Grampanchayat which do all the work of Grampanchayat automatically, for example, tax calculation, registration processes, etc.

In Grampanchayat offices the problems like losing of records and calculation errors arises frequently, which would not be the case here as everything will be computerized and all the data will be stored in the databases which will be safe and secure.

4. AREA OF APPLICATION

This project is mainly developed for using in administrative offices in rural areas. The main function of this project will be to do all the paperwork on desktop and keeping all the records safe, so that no one can hamper the personal information about any individual.

5. SYSTEM DESIGN



6. MINIMUM REQUIREMENT

Hardware Platform

Processor	-	PENTIUM IV and above
Clock speed	-	750 MHz and Above
RAM	-	1GB and Above
Hard Disk and required.	-	182 MB for our software 3.91GB for operating system is required.
Total space	-	Minimum 4 GB is space is required on hard disk for running this software.

Software Platform

Operating System	-	Windows 2000 server, Windows 2000, XP
Developing Technology	-	Java/J2EE
Integrated Development Environment (IDE)	-	Eclipse

7. FUTURE SCOPE

The current project is working only on local machines and it may work only on a dedicated machine, although the features which have been included can be expanded to a much higher level. Hence we plan to make this application server based so that all the operations are performed by the server and the data that is being stored is secured and cannot be tampered by any unauthorized person.

This project is scalable and can be used on the internet in the coming future. In the future, we can connect this software to government offices, SDO offices, and other fund sources etc. For a government who runs several Grampanchayat which are scattered all over the city or state can use the network or the internet version of this project to keep central control on the financial record of all Grampanchayat offices.

Building internet version of this project is the future scope of this project and add developed a language translator logic in this project, then this project can be used in every state of India. This software can be linked to most of the administrative offices. E-transaction of funds is one of the most important future scopes of our project.

8. CONCLUSION

Thus we conclude this by keeping the development of the rural areas and the digital India as the vision behind the development of this application software. As mentioned earlier, this would not only be digitizing the administrative work, but also will produce faster and efficient results which would of great help to the people in the rural areas and also the concept of smart villages can come into existence with this idea. This software would be of great aid In the grampanchayat offices as they will be doing almost all of the work that was supposed to be done manually and will not only increase the speed of work but will also be a huge step towards the development of the rural areas.

AUTHOR PROFILE

	Sagar Bankar Pursuing Bachelor of Engineering in computer Engineering from Vidyalankar Institute of Technology, Mumbai, India. His area of interest is development and programming.
	Rohit Jain Pursuing Bachelor of Engineering in computer Engineering from Vidyalankar Institute of Technology, Mumbai, India. His area of interest is development and programming.
	Zaid Shaikh Pursuing Bachelor of Engineering in computer Engineering from Vidyalankar Institute of Technology, Mumbai, India. His area of interest is development and programming.
	Prof. Sachin Deshpande, Head, and Associate Professor, Department of Computer Engineering from Vidyalankar Institute of Technology, Mumbai, India. His area of interest is Networking, database, and Computer graphics