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A PATH FOR HORIZING YOUR INNOVATIVE WORK

PERSPICACIOUS E-GOVERNANCE SYSTEM FOR GRAMPANCHAYAT

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Abstract: Today's world is overloaded with new and ever changing technologies, to cope up with the user demands there is need of maintaining a very high quality for each and every product being launched. Thus software industry is no different, and is constantly striving hard to develop and maintain high quality software. Information Technology plays a vital role in E- Government and e-grampanchayat is a part of it but Security becomes the key issue. e- Governance implies technology driven governance. E- Governance facing a problem of red tapism, corruption. So such initiatives system will help citizens reach directly & learn about the various policies, process and help the lives that the government offers. This application will help to maintain all daily transactions which take place in Grampanchayat. This paper provides the application for reducing paper work at Grampanchayat and e-services will give the simple servicing. It also encloses the fact of reducing the labor of paper work. Here digital signature will play an important role in deploying such services. In day to day transactions e-Governance has become part of every citizen's governmental transactions and realizing its importance the government of India, also focus is given to deliver the services in a simple manner. The basic aim of intelligent system used in E-Governance can be used to give quick response and delivery of birth, death & residential certificate by the Grampanchayat

Keywords: E-governance, Sarpanch, Digital Signature, Internet, Server.



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INTRODUCTION

"E-GramPanchayat" is online application which describes the work done by grampanchayat. **GramPanchayats** are local self-governments at the village or small town level in India and the Sarpanch is in charge of it. It is formal and democratic structure at gross root level in the country. It acts as cabinet of the village. It is political institute. A village or groups of village are the jurisdiction of work of Gram Panchayat. As of 2002 there were about 2, 65,000 gram panchayats in India. The gram panchayat is the foundation of the Panchayat System.

A gram panchayat consists of between 7 and 17 members, elected from the wards of the village, and they are called a "panch". Peoples of village selects panch, with one-eighth of seats reserved for female candidates. To establish a Grampanchyat in a village, the population of the village should be at least 500 people of voting age.

Structural aspects of Gram Panchayat Gram Panchayat is formed by election procedure. The adult citizen voters elect their leaders as members of Gram Panchayat from the wards by observing formal voting procedure. Then the members elect their Chief leader known as 'Sarpanch'. Every member has been assigned a portfolio of Gram Panchayat work.

The *Sarpanch* has the responsibilities of

1. Maintaining street lights, construction and repair work of roads in villages and also the village markets, fairs, collection of tax, festivals and celebrations.
2. Keeping a record of births, deaths and marriages in the village.
3. Looking after public health and hygiene by providing facilities for sanitation and drinking water.
4. Providing free education.
5. To organize the meetings of Gramsabha and Grampanchayat.

The Gram Panchayat Secretary is official man and he is known as 'Gram Sevak'. He assists the work of Sarpanch and keeps records and documentation village.

Throughout the history of e-governance, data security is one of the most serious vulnerabilities in information technology. In a grampanchayat , Sarpanch is the incharge of it, who is elected by the people of the village but the actual working is handled by the gramsevak, who is appointed by the government . till now all the process are conducted manually

grampanchayat is local Self- government at the village or small town level in india. Government deals with sensitive information of national interest, securing data is of very importance hence security of data & a policy plays an vital role. The idea of project has been taken from the Bihar e-gram and the innovation of online delivery is done for the required person. E-governance is the public sector's use of information & communication technologies with the aim of improving information & service delivery, encouraging citizen participation in the decision-making process and making government more accountable, transparent and effective. E-governance vision is to establishing a Networked Government for greater transparency and accountability in delivery of public services to facilitate moral & material progress of all citizens. E-governance involves new styles of leadership, new ways of debating and deciding policy and investment, new ways of accessing education, new ways of listening to citizens and new ways of organizing and delivering information and services. "Governance" is a way of describing the links between government and its broader environment - political, social, and administrative."

This is required to protect individuals from others getting access to information while online services try to increase responding to the needs of online government services. This Project is done after surveying through Municipal structure and then providing an ideal solution as an Application. This application will help to maintain all daily deaths and births which take place in Grampanchayat. As well as it maintains the record of number of people residing in that Village (Grampanchayat). This is basically a client server application where Grampanchayat plays role as an administrator. This maintains the record of the entire enrollment and issuing of certificate.

EXISTING WORKS

The existing system works on enrolling the details and issuing the birth or death certificate. The manual process carried out by grampanchayat for issuing and enrolling is done by the Gram Sevak, as he is the authorized person in which applicant needs to visit the grampanchayat and submit the application for which he/she have visited the grampanchayat then the gramsevak/lepi asks the Applicant to visit after 5-6 days after that during this span the member of grampanchayat will manually verify the respective birth or death entry. If exist , the applicant will get the respective birth, death and Residential certificate But if the entry doesn't exist , the applicant will get the respective birth, death, Residential Non- Availability certificate. But this Process carried out by Grampanchayat for issuing birth, death and Residential certificate is about 5-6 days which is actually a long span.

Proposed Work

The Proposed system is a complete computerized system, in order to eliminate the gap between the manual systems.

Proposed System is Providing Following documents online:

- Birth Certificate
- Death Certificate
- Residential Certificate
- Third Child Certificate

OBJECTIVES OF SYSTEM

- In any organization most of the work is on computerized and if any pc has any problem and if any problem then the work on the pc will stop and i.e. not beneficial/good for company as well as employee so to make the recovery process fast. So this system is very fast.
- Another objective, which is achieved by the computerization, is the increase in overall efficiency as compare to the present system.
- Accuracy in calculation and important aspects it will take care automatically.
- The users of the system will be benefited due to specify accurate transaction, which saves their valuable time.
- Retrieval of data is very fast.
- The system is very user friendly.

This Project an ease to the people interacting with Grampanchayat. Thus this system will be beneficial for accessing the document/certificate online. The application timing and delivering time will be reserved. This Project provides the application for reducing paper work at Grampanchayat and e-services will give the simple servicing. The basic aim of intelligent system is used here uses the birth date or death date to generate the barcode on the certificate.

The system proposed that the application structure consist of client server application. The client side consists of the details such as applicant's name, relation with the candidate whose

birth/death certificate is to be issued, date on which the application is filled. These details are reflected in database at server side. If in case the birth or death registry is not done in grampanchayat it gives a form 10(b) which tells that register doesn't contain proof, but can give the Unavailability certificate for birth/death too? All these certificates are given under the sign of the serpent (head of gram panchayat). Thus for online purpose digital signature will be the safest way for preventing Mathematical scheme for demonstrating the authenticity of a digital message or document. Tampering and any misuse. A digital signature or digital signature scheme is a For the candidate who is unable to register, can register through their relatives.

The client side consists of the details such as applicant's name, relation with the candidate whose death certificate is to be issued, date on which the application is filled. These details are reflected in database at server side.

Limitation of the System

We have tried our best to integrate the system with the all the daily activity of the Grampanchayat. Still, the system should be reviewed from the negative angle too. So that it will offer as inputs for further developments.

SCOPE FOR FUTURE DEVELOPMENT

Any software product developed has some sort of enhancement until it is designed to satisfy all the existing as well as the future needs. This project is not an exception when considering the above side. The system is open for future development as and when required by the users. As modular development approach is followed any future enhancement to the system will not be a tedious task and will not have any adverse effects on the other modules or the system as whole.

CONCLUSION

The E-Grampanchayat has completed its first phase of the Web development section successfully within the given time span and has fulfilled all the requirements specified by the user during the evaluation in first phase. The system is thoroughly tested by the professional testers under live conditions and hence concludes that the system is working in accordance with the requirements of the user and it totally error free.

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