E-Gram Panchayat Management System

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Abstract— This project is aimed at the developing an E-Grampanchayat management system. The System (GMS) is an online based application that can be accessed throughout the internet. This System may be used for monitoring grampanchayat activities. Admin as well as body member's logging, it may also access and public can search provided information regarding grampanchayat at any time. The Information about Schemes published by government or any other activities and billing record will be updated by body members and the secure data maintained by only administrator. This System (GMS) is being developed for Kalawade Grampanchayat to maintain and facilitate easy access to information. For this user don't need to be registered. It is user friendly website, only admin has authority to give access or choose login members. GMS is an online based application that aims to provide information keep the Records and Documents like birth certificates, death certificates, residential certificates, 7/12 certificates. Any user can access the data and download some information from database and only body members have authority to upload the data.

Key words: Web Application, User Friendly, Secured, Centralized Approach

I. INTRODUCTION

A. Project Idea

In recent year Government has taken many step to improve its online services, like online payment ,collection of bills, providing information to its branches through internet and getting their response, online various exam form related to government job, but still we are lagging in rural sector whereas in rural area roads, electricity and water reached out. When we talk about technology used in rural area like computer based services many villages are totally depend on small city nearby that village, not only people of that village depend on that small city but also government officers also depend, To minimize dependency on small city as well as minimizing time taken by government services to complete its work, we are trying to build a software which will help Grampanchayat to do following work: Grampanchayat Administration, Tax collection, Birth registration, Death registration, Property assessment, Account of Grampanchayat , Issuing various certificate.

The Governments all over the world are interested in enhancing the quality and quantity of services provided by their administration, most of the government want their administration should reached out at the each person of every village. The state Governments have created several Grampanchayat institutions to ensure grass root level development, but most of the panchayat are lagging in development because of less use of technology throughout the administrative process. Here we are trying to find out solution for the feasible administrative processes and avoid delays and through conserve resources in the country. We are also trying how to implement the solution in a cost effective manner which not only empowered with efficient administration but also responsive local administration at every village.

B. Need of project

Various states governments have also taken various innovative steps to promote e-governance and drawn up a roadmap for IT implementation. Various projects are being implemented for improving the service delivery to the citizens through e-governance. But still most of the work in grampanchayat is done on paper; most of the documents issued by Gramsevak are on the paper, delay in that process lead to loss of villager related to his work. Schemes may avail by the bogus people; there is chance of misuse of the scheme fund. Documents and information related to the schemes related to villager may be loss, and then villager will have to again apply for the related document. Which not only increases workload of the Gramsevak, it also create problem for the villager

II. LITERATURE SURVEY

A sentiments were expressed by Prime Minister Jawahar Lal Nehru. "India is poor because villages of India are poor. India will be rich if the villages of India are rich Panchayats should be given greater powers, for we want the villagers to have greater measure of swaraj (self-government)in their own villages[4]

The Panchayats are expected to play an important role in rural development in India, particularly after independence. Plan documents of both the central and state governments and various committees have emphasized the importance of these bodies in the polity. a panchayat as responsible for village development keeping transformation of social and economic life of rural areas as its goal of development. It says that, the rural progress depends entirely on the existence of an active organization in the village which can bring all the people, including the weaker sections, in to common programmes to be carried out with the assistance of administration. To achieve this objective the second Five year Plan entailed the Panchayats to perform civic, developmental, land management, land reform and judicial functions. Subsequent plans and policy pronouncements of national leader to emphasized the role of Panchayats in village development[1] the role of grampanchayat are[4] -

- Implement schemes for the development of agriculture.
- Establishment of primary health centres and primary schools.
- Supply of drinking water, drainage, construction/repair of roads.
- Development of cottage and small. Scale industries and opening of cooperative societies.
- Establishment of youth organizations. []4

In Existing Grampanchayat Management all records of people filled by manually. While paper records are a traditional way of managing people data there are several drawbacks to this method. It takes a very long time to convey the information to the people

Some of the drawbacks of existing systems are given below as per our survey:

- Active participation of villagers in Gram Sabha is low, as they find it not up to their interest nor they understand the information being communicated. [2]
- Monthly meetings of Gram Panchayat purposely get adjourned and held at the convenience of male members/Pradhan/Secretary, excluding women's participation.[2]
- Gram Sabha meetings are perceived as a formality only to maintain the records in panchayat office and for ulterior motives[2].
- there is lack of proper cooperation and coordination between the people and the officials like Block Development Officers, the District Officers etc. Again the officers fail to discharge the development duties more efficiently and sincerely[3].
- Selection criteria are often not met for the beneficiaries on schemes. It is at the wish of Pradhans and/or Panchayat members' to choose the beneficiaries depending upon the cuts/bribes paid[2]
- Villagers are generally unaware or do not have complete information on schemes and funds available. There is very little knowledge in villages about the funds received and the heads under which they are utilized[2].
- Mandatory provision of keeping monthly record of expenditure and displaying it on notice board of the Panchayat Office is not followed.This leads to corruption and misappropriation of funds.[2]
- Most of the Stakeholders did not have much idea about the provision of the taxes.[2]
- There is lack of clarity in regard to the concept of Panchayati Raj itself and the objectives for which it stands[3]

The main sources of income of the panchayat samiti are grants in aid and loans from the State Govt.[4]

In present state all the 33 Zilha Parishad,351 Panchayat Samiti,27900 Grampanchayts in Maharashtra are equipped with Desktop computer, Printer cum Scanner machine[4]All ZP, PS are connected and around 22000 GPs are provided internet connection.[4]

III. PROPOSED SYSTEM

E-Grampanchayat Management System is Web based application which deals with the problem of accessing and providing all activities of grampanchayt and the grampanchayat member can access and maintain their records from the database.

The member can also scan and print their documents, bills like born and death certificate. The private section is become more safe and useful having the document summery facility. It also facilitate us explore all the activities happening in the grampanchayat. Unauthorised person cannot access other's account which will maintain security below are models which we provided in our application.

A. Modules and Their Functionalities Master

1) Home:
It contains information about website. A home page

2) Scheme:
We will display upcoming schemes on the site. Documents required for this scheme will be mentioned who are eligible for the scheme also will be mentioned.

3) Member's info:
We will display the Ex-members as well as current members of grampanchayat. The whole information about members will be also displayed.
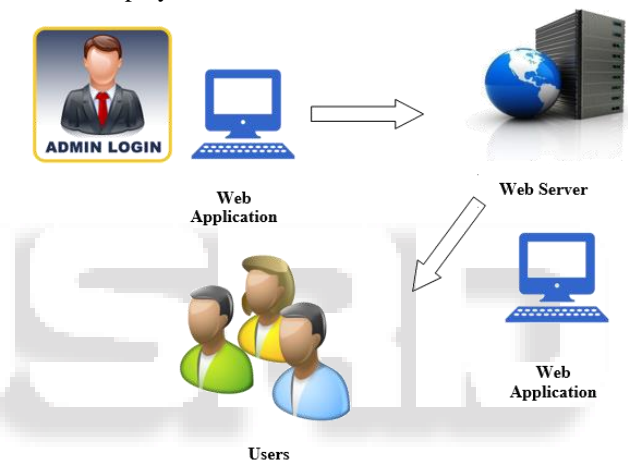
4) Education:
All the educational institutions and the detailed information about the institutions will be displayed in this section.

5) Association:
Information about social organizations and pathasanstha will we displayed in this section.

6) Event info:
All the Information about past events and upcoming events will be displayed in this section.

7) Login:
Only authorized persons can login into the web site.

8) About us:
Information of village and Grampanchayat is available in this section.

B. Notice

1) Scheme notice:
Information about schemes will be available on the site as well as notices will provided to the registered users.

2) Activity notice:
All the information about activities going to carry by Grampanchayat will be displayed here.

3) Other:
Other type of notices will be sent we through messages.

C. Billing

1) Property Tax:
All the records of property taxes will be maintained here and unclear bills of property taxes will be sent to the users through the messages.

2) Water Billing:
All the records of water billing of the all the users will be available to the registered users. Un-cleared bills of property taxes will be sent to the users through the messages.

3) Payments:
All the details about the payments of workers of Grampanchayat will be available in this section.
Direct expenses
Indirect expenses

D. Records

1) Birth Registration:
All the records of birth registrations available on the site.
2) Death Information:
All the records of deaths information will be available on the site.
3) Property Registration:
All the records about the property belonging of all the persons is available.
4) Turn over:
Information about turnover of grampanchayat will be available.
5) Funds:
All the records of the funds given by government will be available in this section.

E. Documents

1) Residency Certificate:
Proper format of residency certificate is available in this section
2) 7/12 certificate:
Proper format of 7/12 certificate is available in this section
3) Born and death certificate:
Proper format of residency Born and death is available in this section.

F. Setting

1) Change Password:
Password can be changed.
2) Auto Backup:
Backup will be carried out automatically.

IV. CONCLUSION

This web base application will not only helpful to the local Government but also to the villager of that village, it will bring transparency, accountability, efficiency in administration. Document and their related record will be available on this application. It help to make administration more accountable as well as more transparent, above survey and proposed system will help Grampanchayat system to work efficiently. This system provide User ID and password for the gramsevak , villager can only download document with its secret key, Account history provide information about the transfer money directly from the government. Both analysis and evaluation results confirms that the proposed web base system can provide an effective solution for creating E-Governance environment in which most of the work will be online. This will help to minimize corruption in the system, also save effort and time of common man and government officer

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