Sustainable Development of Grampanchayat through E-Governance

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Abstract— E-Governance is system which not only helps Government servants by reducing their unnecessary workload but also helps to the other people those who seeking the services of government. Here Grampanchayat work on the one website which allows Gramsevak work more efficiently. Villager can get transparent and accountable administration. Loss of government resources and the effort of the villager reduce. Villager and Grampanchayat official's dependency on the nearby city or town reduce .Indirectly it helps to sustainable development of the village.

Keywords: E-Governance, Government-citizen relationships, E-Government.

I. INTRODUCTION

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 also are 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.

II. OBJECTIVE

- 1. An Reducing use of paper in Grampanchayat.
- 2. Grampanchayat system will work under one web base application.
- 3. Villager and Gramsevak work under and get information on their account.
- 4. Villager will get the message from Grampanchayat about the scheme and related document, through the SMS or e-mail.
- 5. Gramsevak will get the information on application from databaseyour text into it.

III. PROPOSED SYSTEM DESIGN

A. Analysis of problem

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. This problem can be solved by using E-governance.

B. Problem Definition

Villager mainly depend on the grampanchayt office for the development of the village and his own, villager mainly do farming in villages, to support them government provide different schemes under that villager get money or equipment. For that villager need necessary document, grampanchayat is the only place where villager get document. Grampanchayat office plays a key role in villagers life, Gramsevak is the only person who can give them information related to the schemes, documents. In existing system most of the grampanchayat do the work on paper, if villager wants any document villager should reach grampanchayat and request for the document, which is time consuming. If villager wants information related to any government schemes contact to gramsevak which is time consuming and there is no assurance that information is correct. Villager doesn't know whether scheme money or any other grampanchayat related money transferred to his account or not.

C. Design

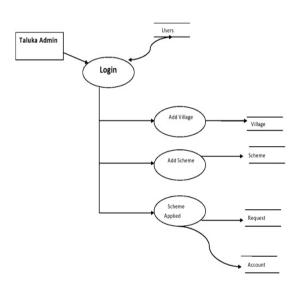


Figure 1: DFD for Admin

Data flow diagram for admin shows how admin system work, admin have user id after entering into admin window, admin will register the village and information of that particular village gramsevak. Automatically user id and password generated and send to his e-mail id. Admin can see and approve the scheme related amount transfer to villager account. Scheme added and removed by the admin, this scheme information will appear on the gramsevak and villager web page. Request process by the gramsevak appear in the admin window, after studying the document and ground level report by the officer, admin transfer money to the villager as per the scheme fund. Admin can check the account in which villager, name and his account details shown with amount and scheme. Admin can delete or add village as well as gramsevak.

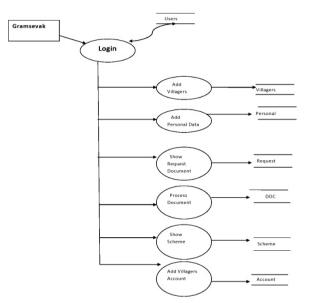


Figure 2: DFD for Gramsevak

Data flow diagram of the Gramsevak shows that after getting the login detail from admin gramsevak login into the gramsevak window. Where gramsevak add or register villager and villager information i.e. personal details of the villager, like name, birth, date, adhar card no, income, land, electricity, water etc. After adding the villager his generated login detail sends on his email id. Gramsevak can saw details of the scheme and list of the applicant villager. Request send by the villager for the document appear in the gramsevak window, document request process and the process document will uploaded by the gramsevak, at the same time generated secret key send to the villager on his email. By using that villager can access his document. Gramsevak generate reports from the information which gathered from the villager and able save it in the form of pdf file or can print.

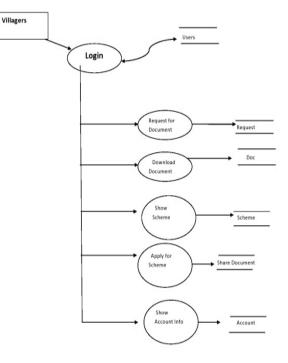


Figure 3: DFD for Villager

User ID concept is very useful, villager will get its user ID by registering its name and personal data at the Grampanchayat after registering the information user ID and password generated ,it is either send to its e-mail ID. Through that user can register for its requirement through account, if all goes well then user will get copy of the document in its account. Documents like Birth, Death certificate, living certificate, notice of tax collection can be included in the user account. Villager can get his document by using secret key which is send by the system on his email account. Schemes are displayed by the admin in the villager account where villager can apply with necessary document; these documents will be verified. Villager can select different types of certificate. Account information villager account information displayed in villager window, which shows the amount transferred, under the scheme, village name.

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Above screen shot shows the home page in which we can login for the admin, gramsevak, and villager by login in it

we can make necessary changes to the schemes, registration

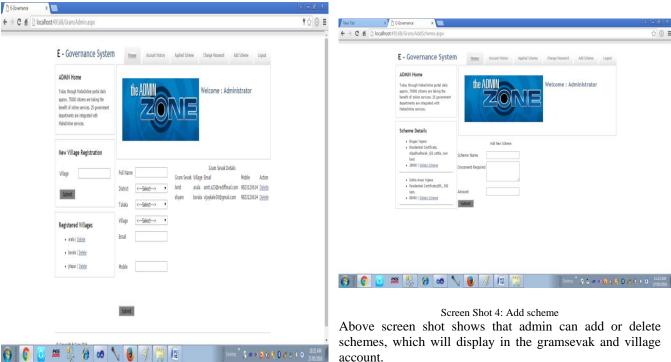
of the gramsevak or delete, schemes addition with the

Above screen shot shows the admin window which shows the account history, applied scheme, add scheme and change password. In which account shows the information about villager account as well as the information of the scheme fund. Applied scheme shows the villager applied for the schemes. Add scheme allow to display new scheme in gramsevak and village account.

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Parikaj Sarad	MAH6799	80000	1002	borala	Indira Awas Yojana	

Screen Shot 3: Admin Account History

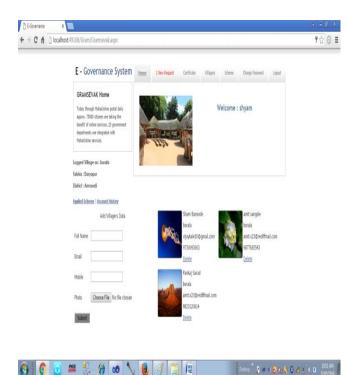
Above screen shot shows the admin window in which shows the account history detail, money transferred in villagers account, how much money reduce from the admin account, under which scheme money transferred.



Screen Shot 2: Admin window

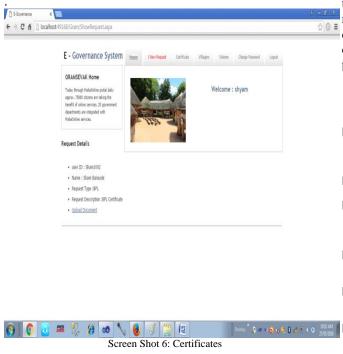
IV. SYSTEM EXECUTION DETAIL

details.



Screen Shot 5: Gramsevak Window

Above screen shot shows that gramsevak can add or register the villager, gramsevak handle and processed the request of the villager, certificate and schemes also handle here.



Above screen shot shows that processing of the document by the gramsevak. Later on it will upload the process document and send the secret key to villager account.

V. CONCLUSION AND FUTURE SCOPE

A. 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 ID and password for the gramsevak and villager, 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.

B. Future scope

This system has been designed keeping in mind the requirements of an administrator of Grampanchayat records and enables the administrator to make entries in the database about Villager, person detail, tax, certificates. This system also provides him the authority to manipulate his account. We can add much more feature in the system i.e. alert system, message from the Grampanchayat for Gramsabha, we can provide transaction system in which all the money related work handled. It will save time and will reduce corruption. By using this system data collected from different grampanchayat will be helpful for implementing different scheme will help in natural calamities and data can be useful in other field.

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