

MOBILE APP FOR SANSAD ADARSH GRAM YOJANA

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Abstract – India is a country where major part of its population lives in rural area and majority of rural people are deprived from the very basic amenities. For this the Prime Minister of India, Narendra Modi has launched a programme SAGY (Sansad Adarsh Gram Yojana). This paper presents a mobile app for SAGY (Sansad Adarsh Gram Yojana) wherein all the details of the villages adopted by different MP's (Member of Parliament) the developmental growth and the institutions associated with the respective villages will be displayed. In addition to this it will also show other available villages along with their details which can later be adopted by the MP's for development.

Keywords - Mobile Application, Database, Cloud Computing, Data processing.

I. Introduction

India is a country where major part of its population lives in rural area and majority of rural people are deprived from the very basic amenities. There are approximately 649481 villages in India. These villages are not in very good condition and do not cater to the basic needs of villages i.e. education, healthcare, employment etc. For this the Prime Minister of India, Narendra Modi has launched a programme SAGY (Sansad Adarsh Gram Yojana). Sansad Adarsh Gram Yojana is a rural development programme broadly focusing upon the development in the villages which includes social development, cultural development and spread motivation among the people on social mobilization of the village community. A mobile app for SAGY (Sansad Adarsh Gram Yojana) wherein all the details of the villages adopted by different MP's (Member of Parliament) the developmental growth and the institutions associated with the respective villages will be displayed. In addition to this it will also show other available villages along with their details which can later be adopted by the MP's for development. The last section of conclusion and recommendation is not merely based upon theoretical study but detail surveys which were carried out by subsequent visit to the village. Also with the help of this project various MP's, institutions and villagers will get an opportunity to take part in development process and make their surrounding a better place to live and grow. It is hoped that this little work will contribute in some measures to serve the society and nation.

II. Goals and Objective

The main goals and objectives of this paper is that:-

- It will be used to display info about model village.
- It can be used to show the adopted villages under HON'BLE MP's and various institutions.
- It will display the projects undertaken and its work progress in adopted villages.
- It will also display the available villages for adoption.

III. Existing System

For each of government projects there is a separate app e.g. Gram Samvaad. These apps only provide all the expected time data. There is no section for common people to interact with the concerned authorities, moreover these apps lacks a lot of features such as lack of transparency for the common man, all related authorities data are not provided etc. which makes them non user-friendly.

Technically, many of these apps do not work properly in real-time system as they fail to provide real-time data of the ongoing projects.

IV. Limitations of the Existing System

The application does not provide real time data of ongoing, completed project.

Moreover it becomes hectic for user's to have different apps for different schemes.

Security issue of these apps is a major problem.

V. Methodology

Agile Approach: – Agile development is quick and iterative. The tasks are divided into short phases of work, frequent assessment and adaptation to plans.

In contrast to desktop applications, mobile apps have shorter development life cycles, frequent changing demands, frequent updates, and ability to quick download.

Agile methodologies have proved efficient and helpful to mobile app development environment. It fits these characteristics appropriately as it is more flexible, while traditional methods are costly and there is very less scope of change.

As agile methodology is more adaptive, it helps create apps that are seamless, quick, small in size and easy to work upon. Agile development makes the app more stable with fewer errors, thus increasing the quality.

The usual question asked by developers is which method is best for Mobile App development. Here is a quick comparison between Agile & Waterfall development:

1. Agile is a fast team based approach, while Waterfall is methodical and sequential.
2. Agile focuses on addition of new features and evolving trends unlike waterfall.
3. Since testing happens almost simultaneously the project (App) can be launched sooner.

Types of Agile Development :-

1. Agile Scrum: – It's a technique in which development is broken into small chunks called scrum. A project manager is assigned to each Scrum. He is known as a Scrum Master.

2. Lean development: – Used in Lean manufacturing Principles. For instance, sticking out notes to discuss the next task.

Usually app development firms are focused on offering the best possible solutions in a quick time. Agile methodology is followed more often. But there are cases where Waterfall would make more sense. Here we have deployed a mobile app and we have connected it to Firebase server, so that it can give real time data of the system.

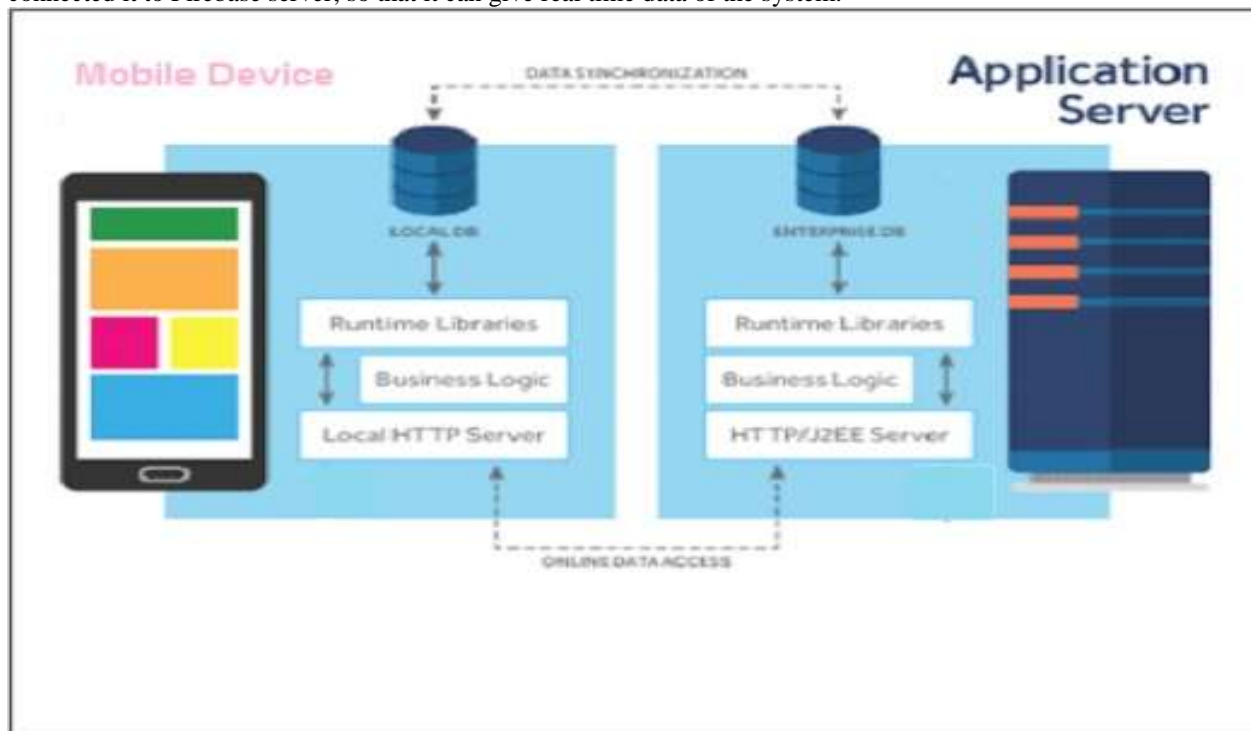


fig. system architecture

VI. Advantages of proposed solution

The proposed solution of this app is that it provides a common platform where all the different projects organized by the government can be monitored by common people from any place.

It also aims at providing the real-time growth of the projects as well as the expected growth of the project in a fixed span of time in well-defined graphical format.

VII. Future Scope

The fact that there hasn't been a deployed app which monitors and keeps track of any government projects growth as well as its real-time progresses any application system based on rural development can integrate this system and its components.

VIII. Conclusion

This App is simple and versatile as it provides all the details of the development happening in a village in user-friendly manner. Moreover, it provides a common platform where people can see the programmes initiated in different villages from a common point.

Also it provides Hon'ble MP's and institutions to select and adopt the village and look after its development process. It will boost the socio-economic integrity of the village. Also it will help in educational upliftment and industrial development of the village. The last section of conclusion and recommendation is not merely based upon theoretical study but detail surveys which were carried out by subsequent visit to the village. It is hoped that this little work will contribute in some measures to serve the society and nation.

IX. References

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