Government of India Schemes in A Single App Using Voice Interface

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Abstract

The proposed App is user friendly and contains all the Yojanas (schemes) implemented by GOVERNMENT OF INDIA (States and UT's). The user gets to know the details of schemes that have been implemented so far. Registration of the scheme is available with every scheme. Most of the schemes introduced by the government remain unused because of the fact that officials who implement them fail to spread awareness about the scheme. There will be description about every scheme and also the direct link of the government websites to which the user can view and get use of it. The categories under this schemes are: Disabled, Employment, Digital India, Agriculture, Women & child care, Education, Health, Urban Development, Rural Development, Protecting our Ganga, Fisherman, Finance, Come Let's Fly, Electricity to all, Cook with LPG. Addition to these Schemes and Registration process, there is a voice interface, which is used by people to search the category they wanted. There is also an All India Radio (AIR) button, where people can listen to the Radio in all Indian languages, can hear: news, emergency information, and songs. To use this App, Guidelines are also provided on how to use this App. For other Government services, direct download linkof the Government Apps are provided. Using this App, Citizens of India gets utilized and there is also a knowledge created while studying about these Schemes.

I. INTRODUCTION

The proposed App is user friendly and contains all the Yojanas (schemes) implemented by GOVERNMENT OF INDIA (States and UT's). The user gets to know the details of schemes that have been implemented so far. Registration of the Scheme is available with every scheme. Due to lack of knowledge about the available Government schemes to the public, their usage were limited. There will be description about each and every scheme and also the direct link of the government websites to which the user can view and get use of it. The categories under these schemes are: Disabled, Employment, Digital India, Agriculture, Women& childcare, Education, Health, Urban Development, Rural Development,

Protecting our Ganga, Fisherman, Finance, Come Let's Fly, Electricity to all, and Cook with LPG.

Addition to these Schemes and Registration process, there is a voice interface, which issued by people to search the category they wanted. There is also a All India Radio (AIR) button, where people can listen to the Radio in all Indian languages, can hear: news, emergency information, and songs. To use this App, Guidelines area also provided on how to use this App. For other Government services, direct download link of the Government Apps are provided .Using this App, Citizens of India gets utilized and there is also acknowledge created while studying about these Schemes.

II. EXISTING SYSTEM

The already proposed systems are Government websites having the individual information about the Schemes. All the schemes are decentralized and located at various swebsites. Existing Apps have a study of Schemes and not the registration process. Every scheme implemented so far is in each with every individual. Nowadays, Print media publishes various government schemes and it is advertised by the corresponding departments. It is difficult for people to get the relevant information and approach the officials for availing the services. The benefits to people are limited due to insufficient knowledge and

awareness about the schemes among the public, Therefore, leading to not fulfilling its objective.
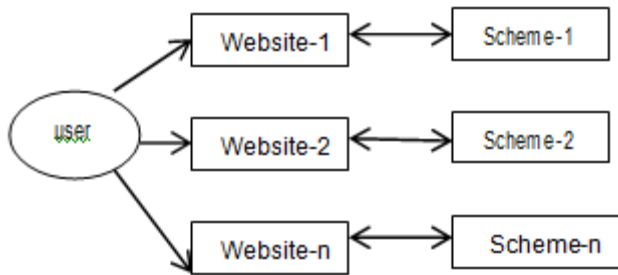
III. PROPOSED SYSTEM

All the schemes introduced by Government of India are into a single domain in an App. The proposed system is an App based application. It stores the data and information about the schemes. This helps to search information more easily as per the users desire.The schemes are classified into various division. Users, also has the provision for applying or registering in any of the schemes through online from the information provided. This App consists of Voice interface, All India Radio, Government Apps download link. Verification is done first using OTP Generation.Using Voice Interface, people using the App can go into the category directly by saying the category they wanted to view.They can also search the category by typing. The proposed system has additional access to All India Radio (AIR), and can download Government Apps, which are available in Play Store.
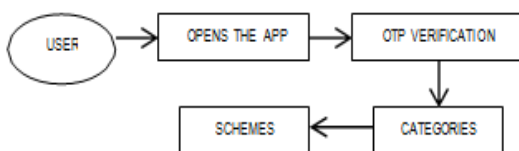

Fig (i) Block diagram

A. Input Data

The input data is the App, which is loaded into the mobile using as USB cable. Developer option is switched ON and the USB Tethering is enabled so that the APK file gets converted into an App. These streams are loaded into the mobile using the Android studios in which the program is built. Android Studios is the interface between the

Programmer and App. The App comes into existence only with the help an Android Studio.

B. OTP Verification

The App when loaded into the Mobile phone, displays a screen asking for the Mobile Number, after entering the number, a 6 digit OTP is send to the mobile. This is done by using Google's Firebase. In Firebase, we should have an account, which produces a link, which must be copied into the program. User, enters the mobile number and every mobile numbers used to enter the App are recorded in the Database of Firebase

Fig (ii) OTP verification

C. Categories

Based on various Schemes initiated by Government of India, the schemes are divided into categories. So, we have divided the schemes into 15 categories, namely: Disabled, Employment, Digital India, Agriculture, Women & child care, Education, Health, Urban Development, Rural Development, Protecting our Ganga, Fisherman, Finance, Come Let's Fly, and Electricity to all, and Cook with LPG.
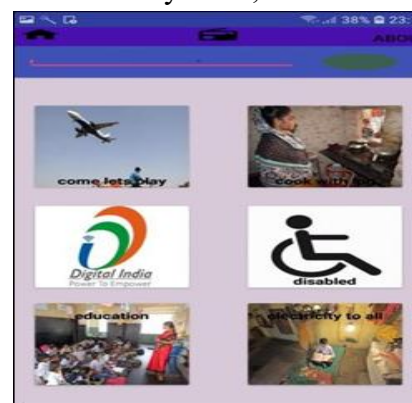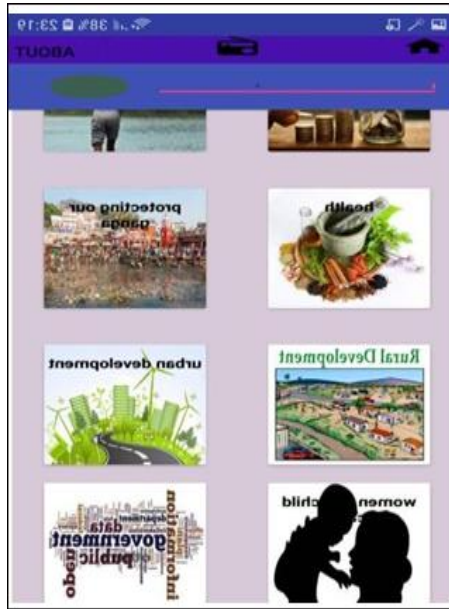

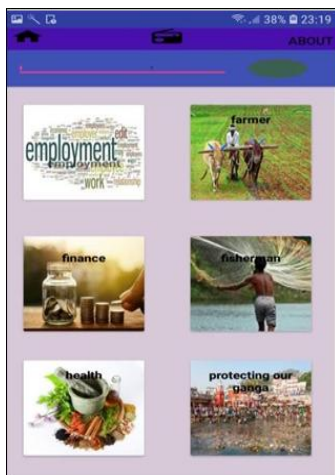Fig (iii) Government Applications

Fig (iv) Government Applications

Fig (v) – Government Applications

Fig (,iii,iv,v) - Categories

IV. RESULT

After entering into the Category, we find Schemes associated with every Category. Every scheme describes about it and gives a hyperlink at down called 'Website', when user click that button, the hyperlink opens the website to which it directs to. We can register for that Scheme if we are eligible to do so.
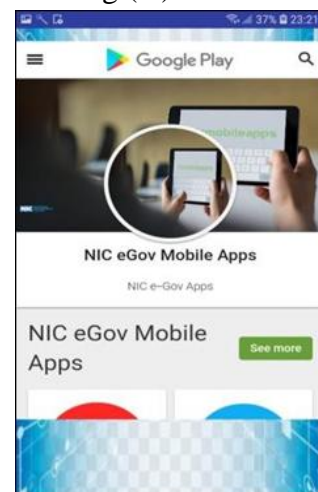
A. Additional Features

Additional to the Schemes, we have All India Radio (AIR) accessed through Internet, and Download link for other Government Apps, where

Citizens of India doesn't know whether these Apps really exist or not and gets use of it.

Fig (vi) – AIR

Fig(vii) – Other Govt Apps

B. Voice Interface

Using Voice Interface, the schemes can directly be searched by speaking to the phone. For the voice interface, Google API is used, where the names in the categories are added from the Google's API's. So, when the user speaks a word belonging to

any category by touching the speak button, we enter into thatcategory.

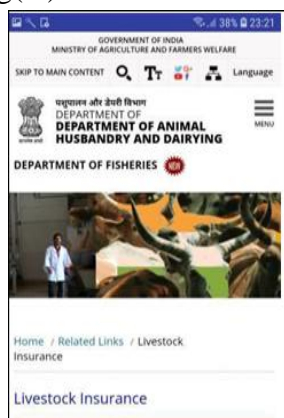Fig(viii) – Agriculture category

Fig(ix) – About the scheme

Fig (x) – website

V. CONCLUSION

In the proposed system, the App which is user friendly, secured and can be accessed anywhere, anytime. When the Schemes get updated or when a new scheme comes into existence, they are added by updating the version every month. Only when updated, user gets to know about new information and the changed information.

VI. REFERENCES

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