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SMARMER: A Smart Farming App

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ABSTRACT: In today's world the scope of usage of android has increased like anything. In cities we can the usage of android where from bus stop to aeroplane everywhere android is in use. But there is use of android there in villages; still something is not as much as city. There in villages also lot of activities are there where people are dependent on legacy fashion. So we have decided to implement one idea to help people of villages. Our proposed system will be an android application which will be helpful for the people of village to know what new government scheme has been come directly by checking by our application. With that the farmers can also check out the market costing of different products just on click. This android application is also going to help to farmers to increase their crop by checking weather before planting seed. By this way our concept is going to help Indian village people also to help government of India in the mission of the digital India.

KEYWORDS: schemes, govt, digital, products, growth rate, smart, crop, govt schemes.

I. INTRODUCTION

Smart communities and smart villages are being developed worldwide. smart community is defined as a community with a vision of the future that involves the application of information and communication technologies in a new and innovative way to empower its residents, institutions and regions as a whole. a smart village is a concept which refers to a set, series or even a bundle of services being delivered to a group of residents inhabiting that particular rural area and businesses effectively and efficiently .the concept of smart community or village has become a global phenomenon that exists all over the world .what has made this a globally increasing phenomenon is undoubtedly the recent development in information communication

Our smart village project aims to bring changes in rural communities or villages with increasing use of android technology to solve or overcome several challenges currently, Malaysia is attempting to scale up the smart village initiative by replicating the rimbunankaseh model at as many as 12 sites in the short to medium term. this community model is established in north-east of Kuala Lumpur, and it comprises 100 affordable homes and recreational facilities for high-tech education and training, and a creative agricultural system which is designed to provide both food and supplementary income for villagers. thus, the model provides a holistic change for people and especially those in rural communities. The present study aimed to address the major issues faced by the community of farmers in the Smart Village in Kg Besting in Malaysia and put forward a practical strategic plan to implement the Smart Village project successfully

II. EXISTING SYSTEM

Current existing system is if someone want to check new government schemes in village then he must go to Sarpanch and whatever Sarpanch will tell that villager need to believe. Again if someone want to know market rates crops then he need to visit each taluka market which is hectic costly for him.

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III. PROPOSED SYSTEM

Our proposed system will be an android application which will be helpful for the people of village to know what new government scheme has come via our app only. With that the farmers can also the market costing of different products just on single click. This android application is also going to help to farmers to increase their crop by checking weather before planting seed. Here admins will be there who will be responsible for updating the market cost of crops and also fertilizers products. Again government admin will be responsible for adding the new latest government schemes for villages.

IV. IMPLEMENTATION

- 1) As shown in figure a one can choose his/her login i.e weather as user or govt admin or sales admin.
- 2) Figure b represents govt admin login. Here government admin can make login to his account.
- 3) As per figure c if government admin is not having account yet then he can fill up the shown registration form to create account.
- 4) Once government admin get logged in then he will be moved on home page where he can view request came from any villager for any document again he is able to send the document in response after completion of document and third one is he can update latest government schemes came for village.
- 5) Figure d represents sales admin admin login. Here sales admin can make login to his account.
- 6) As per figure e if sales admin is not having account yet then he can fill up the shown registration form to create account.
- 7) Once sales admin get logged in then he will be moved on home page where he can update products again he can update crop rates as per market and third one is update weather information in particular villages.
- 8) Figure f represents user login. Here user can make login to his account.
- 9) As per figure g if user is not having account yet then he can fill up the shown registration form to create account.
- 10) Once user get logged in then he will be moved on home page where he can check out current market rates, weather details in farm field for further predictions, he can view the latest government schemes, to get solution on any agriculture related problem can contact to Kisan Call Center, he can request for any government document like death certificate here only, can check out the latest products like pesticides or insecticides etc... as shown in figure j.

Data Flow Diagram:

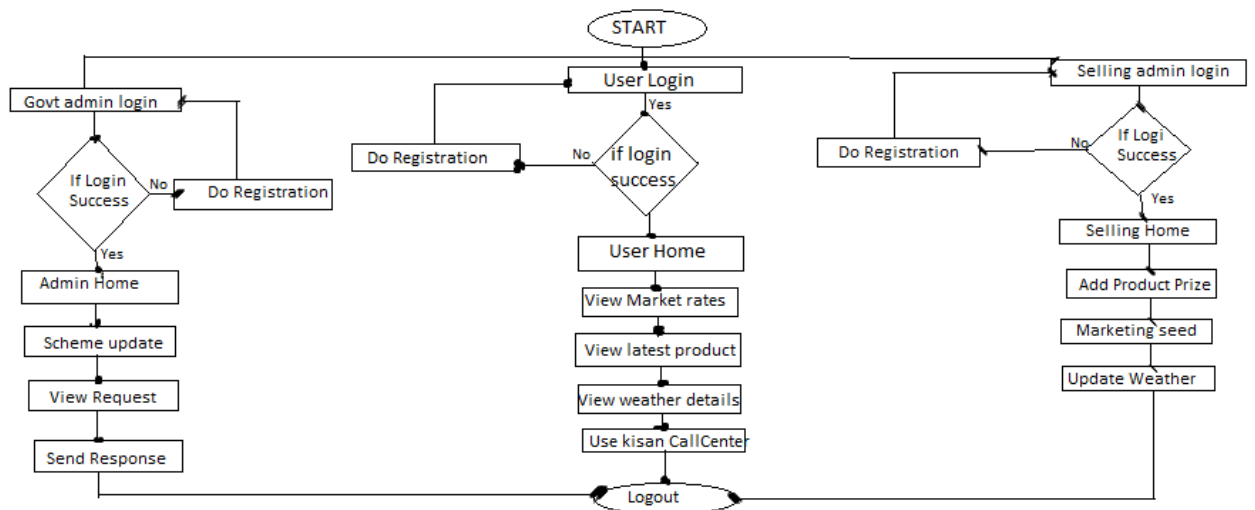


Figure: DFD of Smart Village

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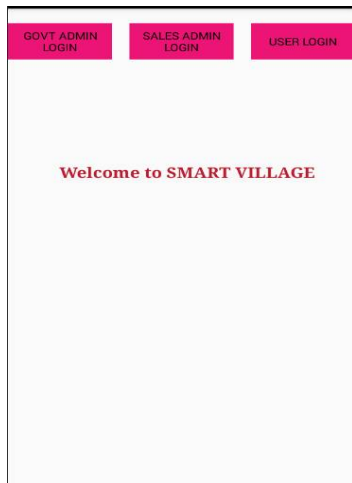
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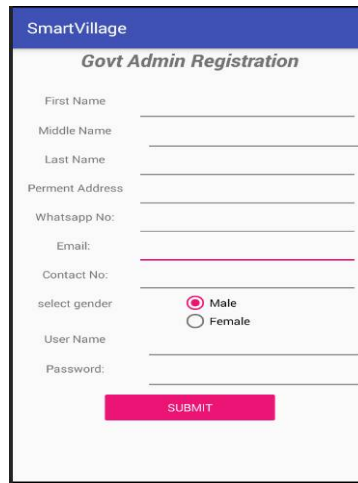
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V. EXPERIMENTAL RESULTS

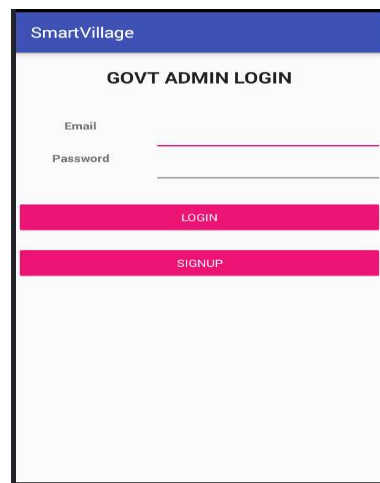
As shown in figure a) one can choose his/her login i.e whether as user or govt admin or sales admin. Figure c) represents govt admin login. Here government admin can make login to his account. As per figure b) if government admin is not having account yet then he can fill up the shown registration form to create account. Figure e) represents user login. Here user can make login to his account. As per figure d) if user is not having account yet then he can fill up the shown registration form to create account.



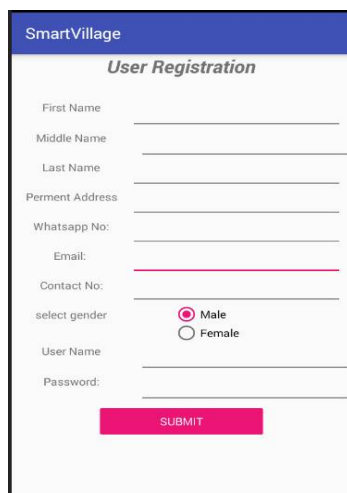
a) Home Page



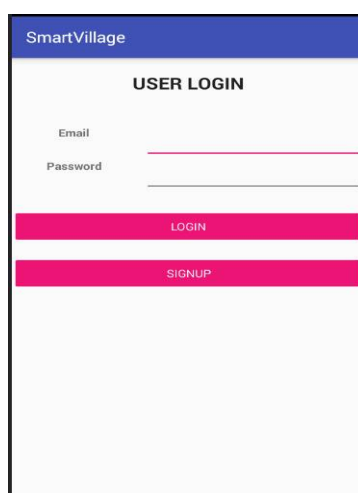
b)Govt Admin Registration



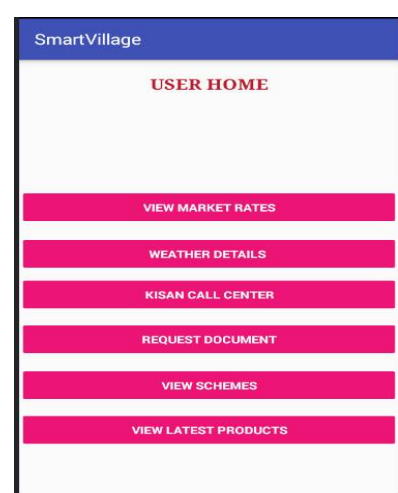
c)Government admin Login Page



d) User registration page



e)User login page



f)User home

VI. CONCLUSION

By using this application corruption is going to decrease on panchayat level as because of live schemes checking on app. By helping the Indian farmers to improve their crop production our nation is also going to grow in economically. These are nothing but the main parts where we have focus that is on controlling corruption and increasing economic growth.

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