

MAHARASHTRA EDUCATION SOCIETY'S ABASAHEB GARWARE COLLEGE, PUNE.

M.Sc. (Computer Science)

A Project Report

on

Smart Village Android Application

Submitted By

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Guided By

Mrs. Madhuri Khadatare

DURING ACADEMIC YEAR

2022-23



MAHARASHTRA EDUCATION SOCIETY'S (SINCE 1860)

ABASAHEB GARWARE COLLEGE



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Date:

Department of Computer Science

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M. Sc. (Computer Science) Part II course under the guidance of Mrs.Madhuri Khadatare in the									
academic year 2022-23.									
Project Title: Smart Village Android Application.									
Projec	t Gui	ide						Head	
Interna	al Ex	amin	er				Exter	rnal Examiner	

ACKNOWLEDGEMENT

Although we have put in our best effort to complete this project, there are people who have helped us all the way long. We acknowledge with sincere gratitude all those who have helped us to make this project a success. For their constant and unending guidance and support throughout the project. We sincerely thank our project guides.

We would like to thank **Mrs. Madhuri Khadatare** Her advice and support encouraged us to strive for the best.

We extend our heart full gratitude to our **HOD Mrs. Chitra**Nagarkar for her much-needed untiring efforts and co-operation with us.

They were always willing to solve our difficulties.

Last but not the least a very special thanks to our friends who always had a helping hand whenever needed and also for their co-operation and moral support for doing this project.

We are very grateful and thankful to them.

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INTRODUCTION

Smart Village is a Android application which provides information about village and government schemes. The main objective of this project is to build an application program to reduce the manual work of villagers(user). The basic concept the application is to allow villagers to upload informative posts which helpful to other users.

This Android coded project has been designed in a way that is easy to understand by the user. The main motive of this project was to ease the people to get fully updated about his/her village, also take the benefits of the government schemes.

The project consists of the android codes and firebase. This has basically two modules Admin and User. The admin holds the power to control the application. The admin can add, update, edit, delete the user posts, news, doctor details and government schemes. The user is the person who can use smart village application to take the benefits of government schemes and he/she himself/herself will updated about the village.

OBJECTIVE

The Smart Village is online application's major goal is to manage the details of news, posts, doctors and government schemes. It keeps the track of all information of users, doctors etc.

The main objective of this project is to build an application program to reduce the manual work of villagers(user). The basic concept the application is to allow villagers to upload informative posts which helpful to other users.

SCOPE

- ➤ Villagers can share the useful information to other application users so that the other people should be updated about the village.
- Admin can share the important event details through the posts.
- Admin can verify the government scheme after verifying he will share the details of the scheme on Smart Village application.
- Admin can upload the government schemes with details like starting date to apply end date of the application how to apply description of the scheme also the apply link into the application, so that user(villagers) can take the benefits of the schemes.
- ➤ User can easily apply to the government schemes.
- ➤ User can directly call to doctors using the doctor section and doctors degree verify by the admin when the doctor details verify then admin will add doctor details on the application.

PROPOSED SYSTEM

- ➤ The main objective of the project is to design and develop a user-friendly application.
- > Easy to use.
- ➤ To provide better Graphical User Interface (GUI)
- ➤ To develop an accurate and flexible application, it will eliminate data redundancy.
- > To provide a complete security.
- ➤ Less chance of information leakage.

FEASIBILITY STUDY

While designing any application first step is to study requirement analysis it is done through three feasibility study:

- 1) Technical Feasibility.
- 2) Economic Feasibility.
- 3) Operational Feasibility.

1) TECHNICAL FEASIBILITY:

• Technical feasibility centers around the technology used. It means the candidate system is technically feasible i.e. it don't have any technical fault and work properly in the given environment. Our system is technically feasible; it is providing us required output.

2) ECONOMIC FEASIBILITY: -

• Economic analysis is the most frequently used method for evaluating the effectiveness of the candidate system. We analyse the candidate system (computerized system) is feasible as than the manual system because it saves the money, time and manpower. It also feasible according to cost benefits analysis.

3)OPERATIONAL FEASIBILITY: -

• Behavioral feasibility is the analysis of behavior of the candidate system. In this we analyzed that the candidate system is working properly or not. If working than it communicating proper with the environment or not. All this matters are analyzed and a good candidate system is prepared. Due to the change of system what is the change in behavior of the users, this factors are also analysed.

SYSTEM REQUIREMENTS

Technologies and tools in Smart Village Application are as follows:

Developing Environment Requirements:

The environment requirement consists of two requirements as follows for this application

1. Hardware Requirement:

Processor: Core i5 and above

• RAM: 8GB and above

System Type: 64 bit, X64-based processor

2. Software Requirement:

- Operating System: Windows 10 and above
- Android Studio
- JDK
- Firebase Database

Deployment Environment Requirements:

1. Hardware Requirement:

- Android Smart Phones, Tablet.
- Internet Connectivity.

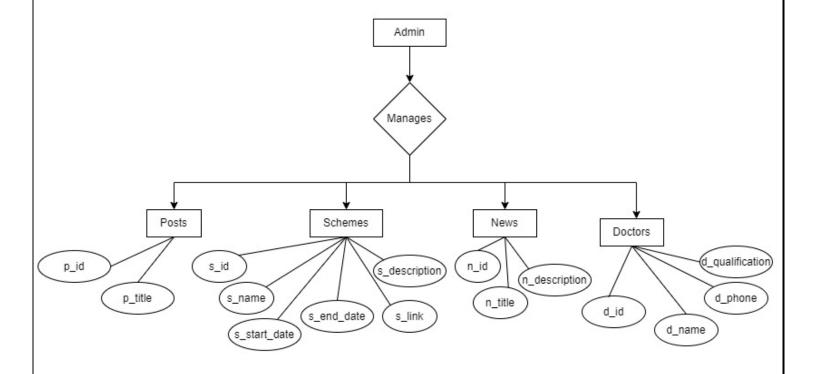
2. Software Requirement:

- Android Operating System
- Android version 5 and above

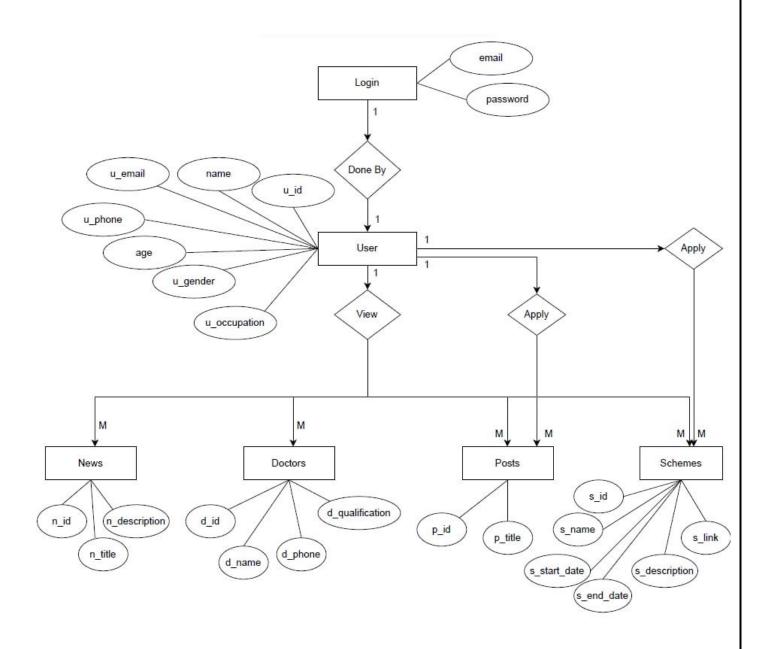
DESIGN PHASE

ENTITY RELATIONSHIP DIAGRAM

1.ADMIN

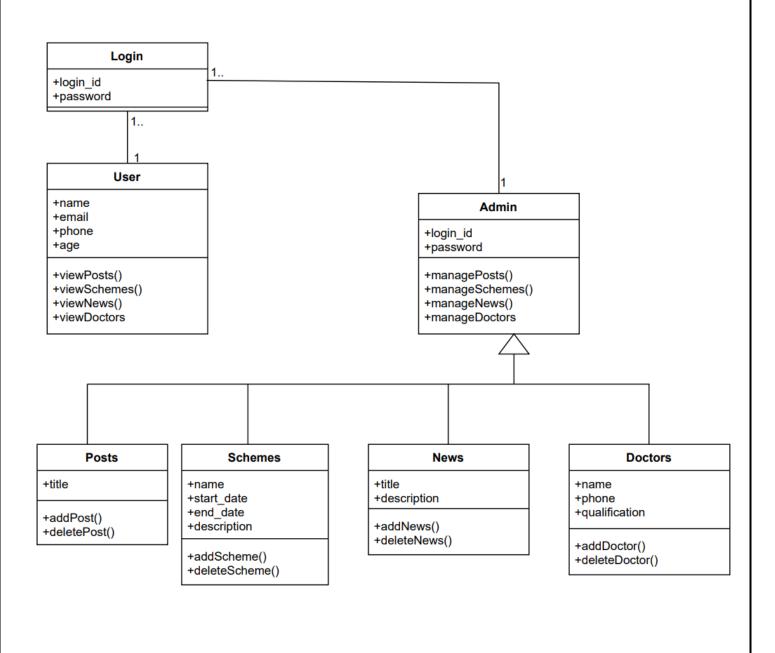


2.USER

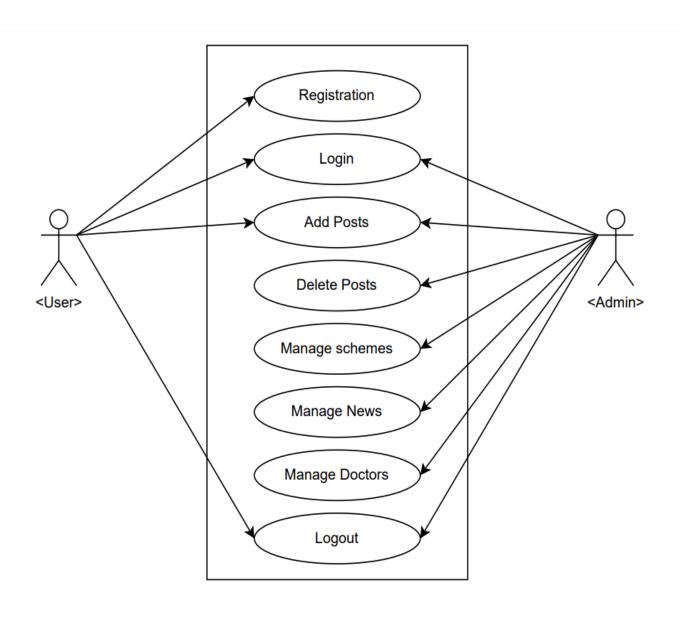


UML DIAGRAMS

1. CLASS DIAGRAM

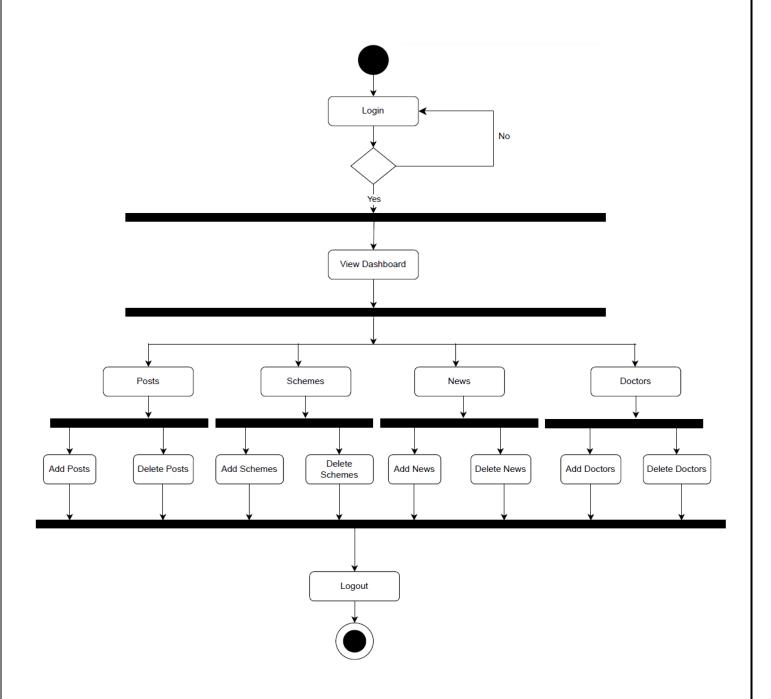


2. USE CASE DIAGRAM (ADMIN AND USER)

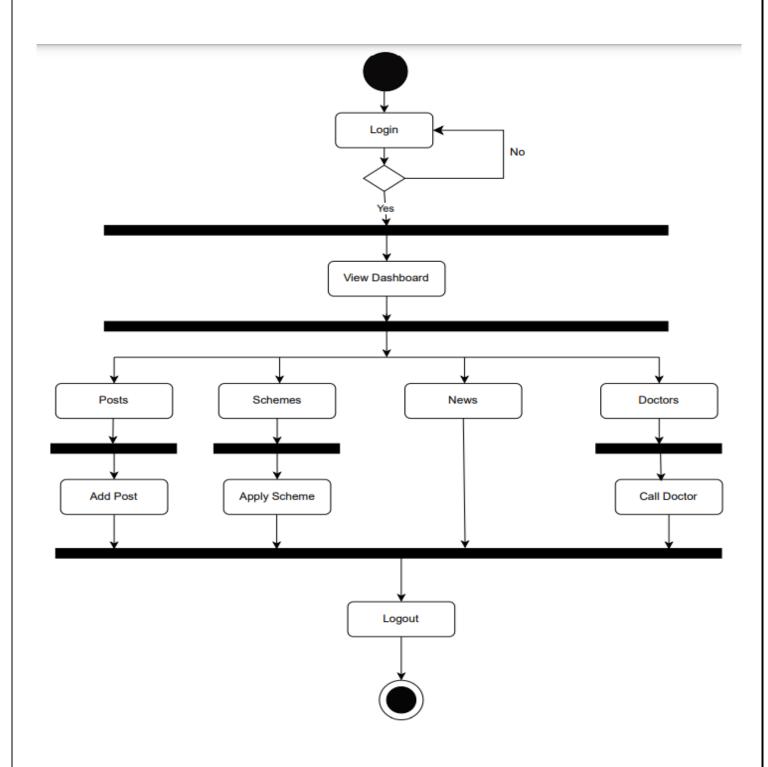


3.ACTIVITY DIAGRAM

Admin:



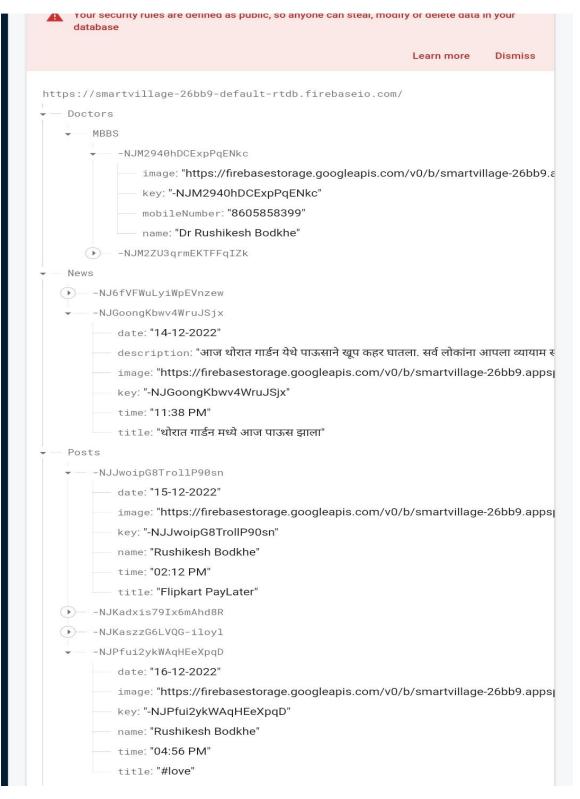
User:

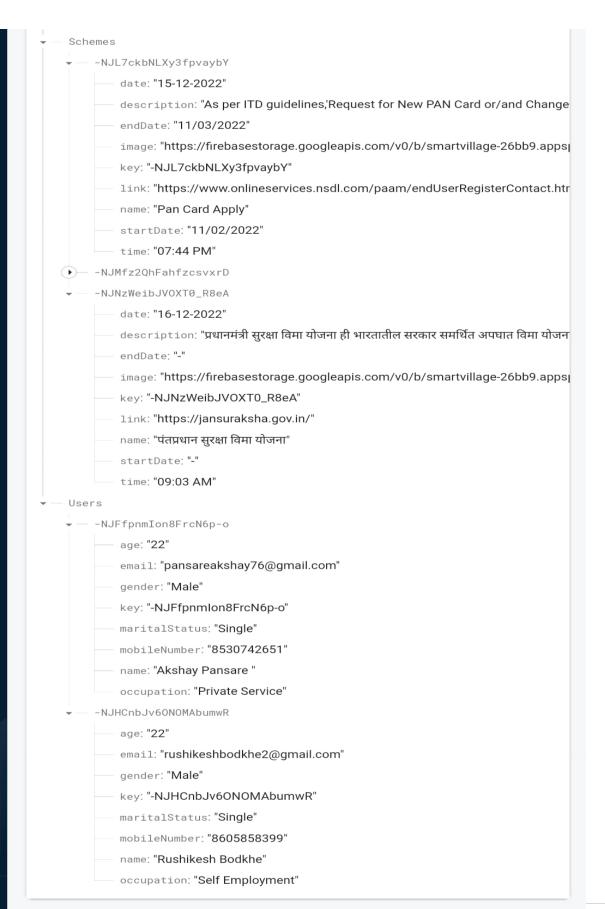


Data Dictionary

11:21 №

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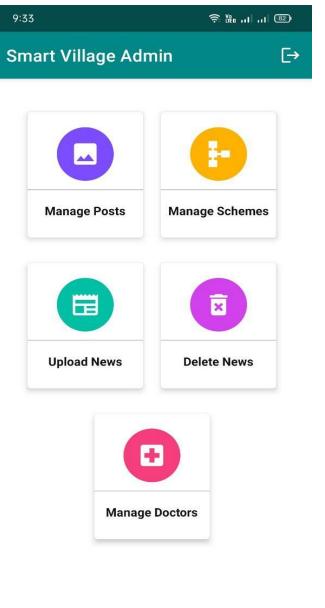




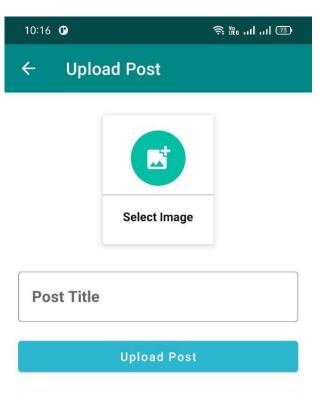
SCREENSHOTS

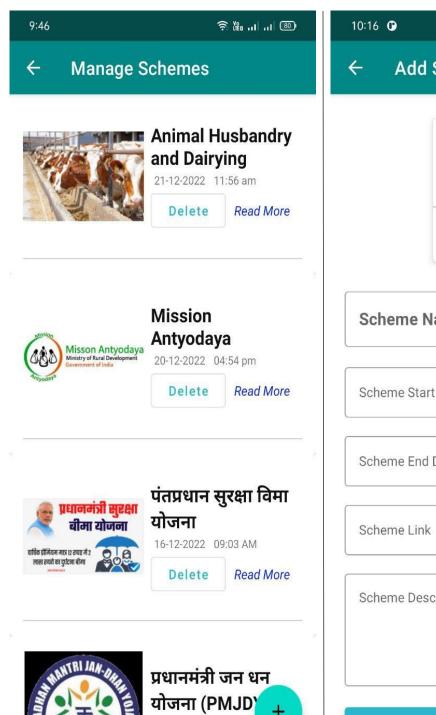
1. Admin Application



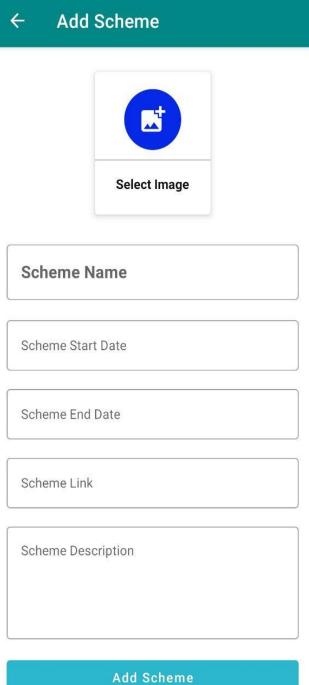








16-12-2022 02:58 AM



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← About Scheme



Animal Husbandry and Dairying

21-12-2022 11:56 am

Start Date: 1st February 1991

End Date: NA

The Department is responsible for matters relating to livestock production, preservation, protection from diseases and improvement of stocks and dairy development, and also for matters relating to Delhi Milk Scheme (DMS) and National Dairy Development Board (NDDB).

MBBS

Manage Doctor

Dr. Ameya Ashok Ithape 9122718737

UPDATE INFO



Dr. Sonal Jhalani Khandelwal 8530742651

UPDATE INFO



BHMS

Dr. Rahul Baldawa 7117729912

UPDATE INFO

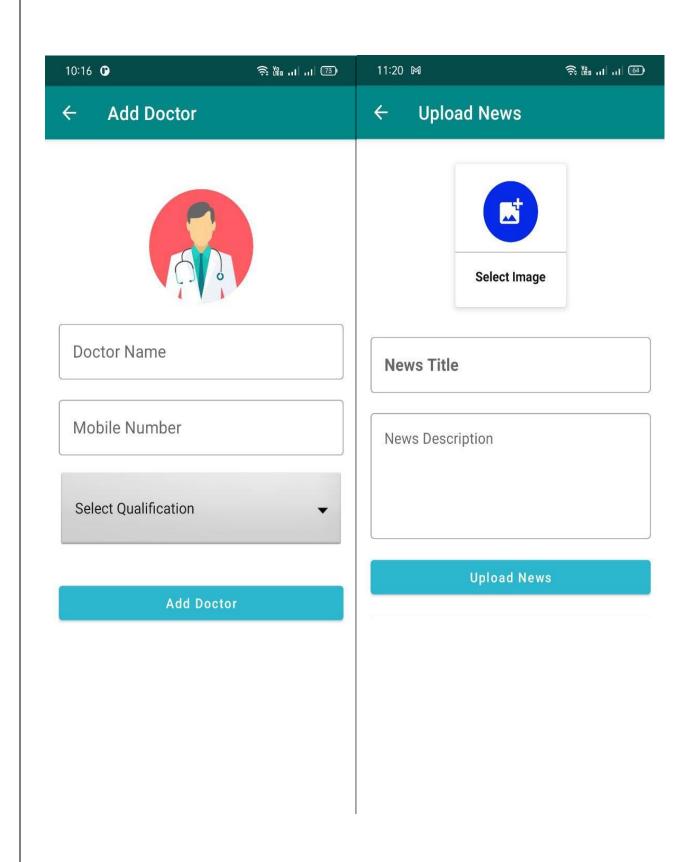


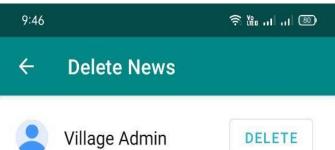
BYNS

Dr. Santosh Bangar 8605858399

UPDATE INFO







14-12-2022 11:38 PM

थोरात गार्डन मध्ये आज पाऊस झाला

आज थोरात गार्डन येथे पाऊसाने खूप कहर घातला. सर्व लोकांना आपला व्यायाम सोडून पळून जावं लागलं.





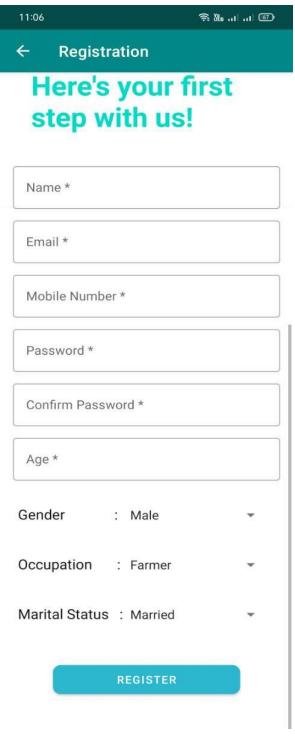
DELETE

13-12-2022 12:22 AM

भावपूर्ण श्द्धांजली

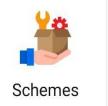
2. User Application











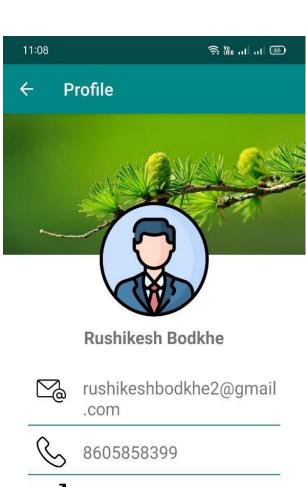






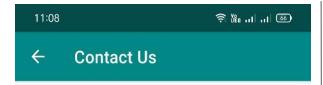












SmartVillage

Address:

Chikhali, Sangamner 422605, Ahmednagar, Maharashtra



smartvillage@gmail.com



022 4120 1220



+91 8605858399

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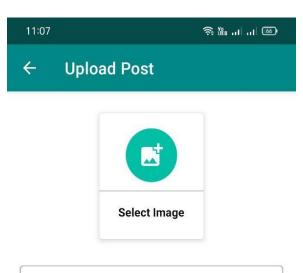
Creative Gym





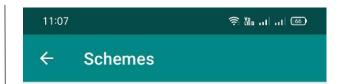
Sarpanch







Upload Post







Animal Husbandry and Dairying

21-12-2022 11:56 am

Read More



Mission

20-12-2022 04:54 pm

Read More



पंतप्रधान सुरक्षा विमा योजना

16-12-2022 09:03 AM

Dood Mara





Animal Husbandry and Dairying

21-12-2022 11:56 am

Start Date: 1st February 1991

End Date: NA

The Department is responsible for matters relating to livestock production, preservation, protection from diseases and improvement of stocks and dairy development, and also for matters relating to Delhi Milk Scheme (DMS) and National Dairy Development Board (NDDB).

Apply



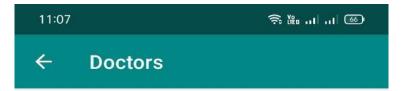


थोरात गार्डन मध्ये आज पाऊस झाला

आज थोरात गार्डन येथे पाऊसाने खूप कहर घातला. सर्व लोकांना आपला व्यायाम सोडून पळून जावं लागलं.







MBBS



Dr. Ameya Ashok Ithape 9122718737

CALL NOW



Dr. Sonal Jhalani Khandelwal 8530742651

CALL NOW

BHMS



Dr. Rahul Baldawa 7117729912

CALL NOW

BYNS



Dr. Santosh Bangar 8605858399

LIMITATIONS

Besides the above achievements and the successful completion of the project, we still feel the project has some limitations, listed as below:

- Only limited information provided by this system.
- Since it is an online project, user needs internet connection to use the web application.
- User has no authority to delete his/her uploaded posts.

FUTURE ENHANCEMENT

- ➤ If you verify email address then only you logged into application
- > Forgot Password
- ➤ Minimize buffering of images
- > Fast Fetching details of posts, news, schemes, doctors.

CONCLUSION

Most of the goals and features of this application that were planned earlier have been accomplished.

This application will be a time saving and will be easily accessible by the user also leading to user satisfaction.

It is user friendly and provide security.

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https://stackoverflow.com/