

GOVERNMENT POLYTECHNIC, PUNE

(An Autonomous Institute of Government of Maharashtra)



DEPARTMENT OF COMPUTER ENGINEERING

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PROJECT REPORT ON

“ONLINE BIRTH – DEATH REGISTRATION”

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UNDER THE GUIDENCE

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ABSTRACT

Online Birth/Death registration and its integration with services like Bank, RTO, etc.

There are different services which are linked to birth and death of individual. If these services are integrated together it will help individuals. Doctors register child birth in their Database. Then parent can one time enter the name of their child and its information and get print of birth certificate after three - five days to the registered email or mobile numbers. In case of death registration build a system, which will notify all tear down services to update death status of individuals.

Chapter 1: Introduction

In the busy Global schedule, everyone is not capable of spending time for the processes such as applying for Birth or Death certificate. But these certificates are important to carry. So, this Online Birth-Death Registration makes process feasible and easier so that everyone can easily deal with it. In this computerized controlled world this is little bit of contribution towards Smart India.

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This project is a **small initiative from our side to support Digital India Campaign undertaken by Government of India.**

1.1. Project Objectives :

1. This project integrates User, Doctor and Municipal Office.
2. To make flexible communication between Government organizations and common man.
3. It destines Birth Certificate to user by sending Email.
4. To seal bank accounts after death by automatically granting Death Certificate.
5. It reduces utilization of time of doing lengthy legal banking processes.

1.2. Goal :

In the busy Global schedule every one is not capable of spending time for the processes such as applying for Birth or Death certificate. But these certificates are important to carry. So this Online Birth-Death Registration makes process feasible and easier so that every one can easily deal with it. In this computerized controlled world this is little bit of contribution towards Smart India.

Chapter 2: Problem Definition

2.1. Problem Statement :

- The existing way to get certificate, is manually.
- After birth or death, user should visit the Municipal Office and request them for the certificate.
- And it was time consuming and long process.
- Then Municipal Office checks details and then make the certificate. After a month user gets that document.
- This process was offline and due to unavailability of common platform there was lack of integration between Government Organization and common man.

2.2. Problem Finding :

- As technology is evolving day by day, technical solutions for reducing time consumption. This is kind of innovation.
- Till date no platform is developed to online Birth or Death certificates.
- So this system will help users to get certificates by saving their valuable time.
- In this application, Firstly user register in it and send request to specific doctor for certificate. Doctors also enter their daily records on database. After sending request doctor verifies the information and send it to Municipal Office.
- So Municipal Office send the certificate to the requested user through email.

2.3. Purpose :

Nowadays it is long process to get a document. It involves long procedure as it involves doctor records, requested user records. Manual process is too lengthy that it takes time to issue a certificate to a user within a span of one month. It is time consuming.

So, our goal is to integrate users, doctors and municipal offices on one platform and to issue a certificate to a user within a few days. Proper integration, helping users to get a certificate on time i.e. three to five days is our basic goal. Thus, the system meets our goal to automate the work and save a lot of time spent in offline work.

2.4. System Features :

1. Android Application

This is an Android Application therefore it can be easily deployed and it can be accessible via mobiles as well as tablets through internet connection.

2. Ease of Use

The system is user friendly. All the controls are well placed to assist user while handling an Application

3. Role based access

The system is not open to common people, only authorized user can access system based on their roles.

4. Integration

Initially this whole work was done offline, but now Users, Doctors and Municipal Offices will get one integrated platform.

Chapter 3: Requirement Specification

3.1 Software Specifications :

- | | |
|---------------------|---------------------|
| 1. Front end | : Java |
| 2. Back end | : Firebase Database |
| 3. Editor | : Android Studio |
| 4. Operating system | : Windows 10 |
| 5. Documentation | : MS-office |

3.2 Hardware Specifications :

- | | |
|--------------|---|
| 1. Processor | : Intel, core i3 5 th Generation and above |
| 2. RAM | : 4 GB and above |
| 3. Disk | : 40 GB |

3.3 Android :

Android is a mobile operating system developed by Google. It is based on a modified version of the Linux kernel and other open source software, and is designed primarily for touchscreen mobile devices such as smartphones and tablets

3.4 Firebase :

The Firebase Realtime Database lets you build rich, collaborative applications by allowing secure access to the database directly from client-side code. Data is persisted locally, and even while offline, real-time events continue to fire, giving the end user a responsive experience.

Chapter 4: System Design

4.1. Modules

The proposed system is divided into three different modules as follows:

- User
- Doctors
- Municipal Officer

4.1.1 User :

User have to register once to create an account, then login anytime. After login, he/she can apply for the Birth or Death certificate. For applying, he/she should choose one of the option from birth or death certificate. After that he/she have to fill up all the forms necessary for it and he/she have to send the request. Sending request goes to appropriate doctor and doctor takes a next step.

4.1.2 Doctor :

In this system Doctor have to register once to create an account, then login anytime. After login, Doctor received information from User if it has matched doctor name and doctor ID, in Notification menu. The necessary information like Childs' birth date – time or a death persons' death – time is checked and send it to a Municipal Office. So now Doctor role is over here.

4.1.3 Municipal Officer :

Municipal Officer have to register once to create an account, then login anytime. After login, Municipal Officer receives request from Doctor, the user gets certificate through his/her registered email from the Municipal Officer.

4.2. Diagrams

4.2.1. Data Flow Diagram :

A data flow diagram (DFD) is a graphical representation of the “flow” of data through an information system, modelling its process aspects. A DFD is often used as a preliminary step to create an overview of the system without going into great detail, which can later be elaborated.

4.2.1.1 Level 0 :

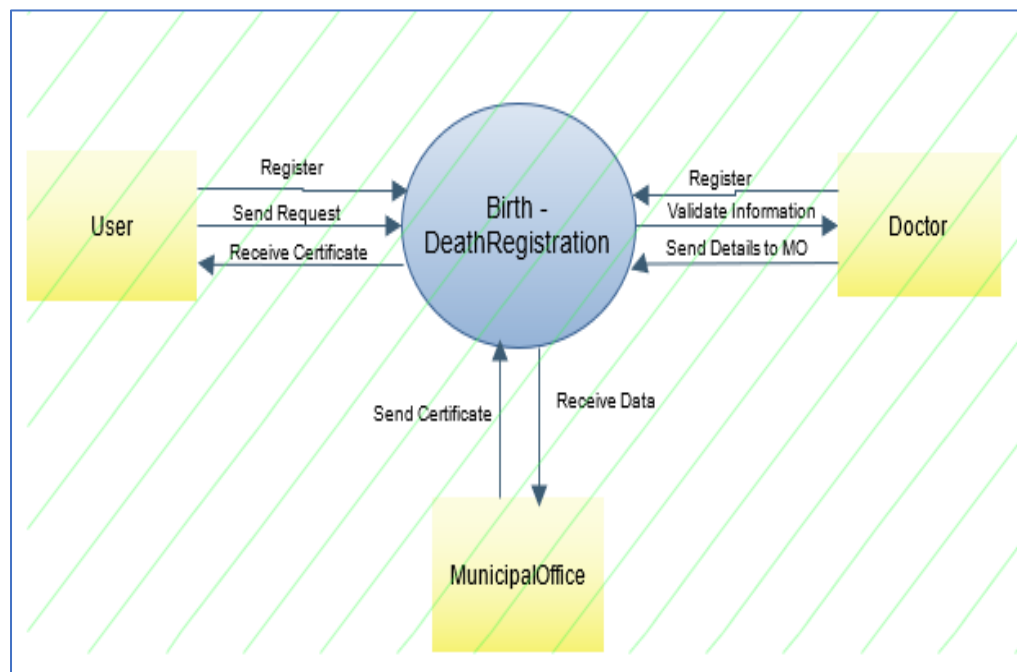


Fig. 4.2.1.1 Level 0 DFD

4.2.1.2 Level 1 :

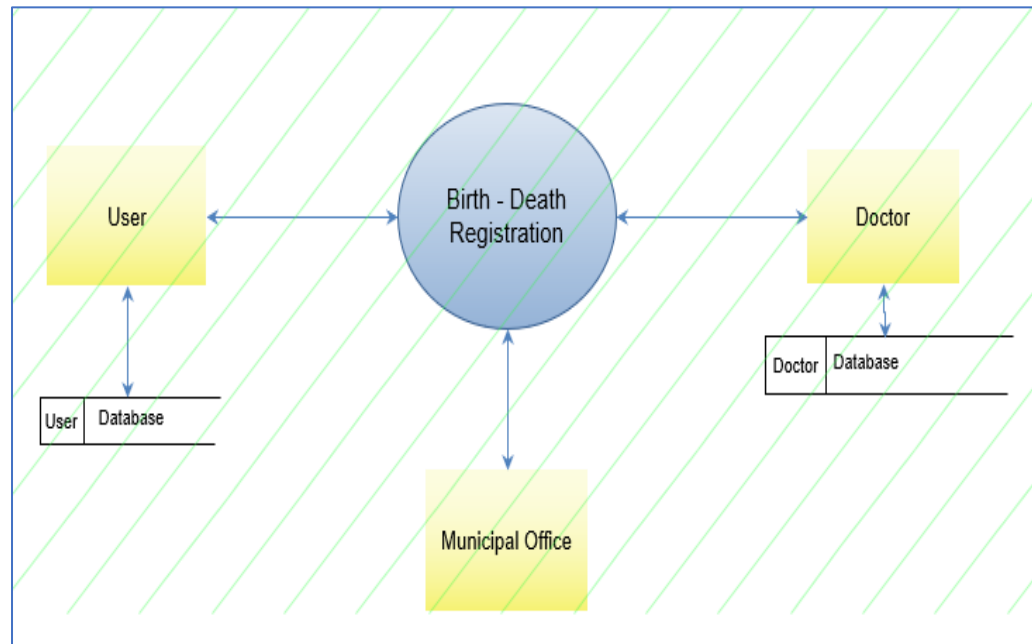


Fig. 4.2.1.2 Level 1 DFD

4.2.2 Use Case Diagram :

Use case diagrams are usually referred to as behaviour diagrams used to describe a set of actions (use cases) that some system or systems (subject) should or can perform in collaboration with one or more external users of the system (actors).

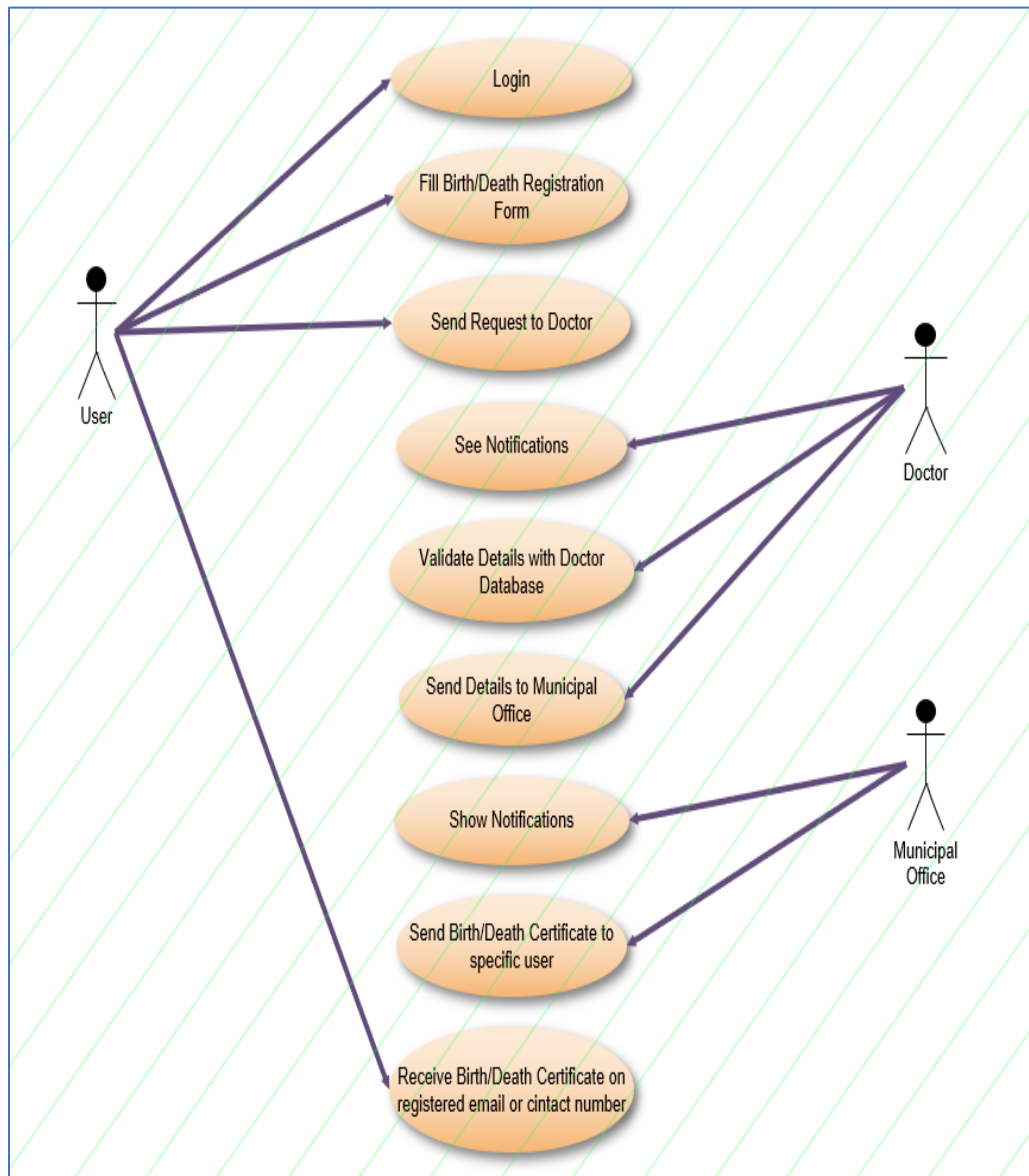


Fig 4.2.2 Use Case Diagram

4.2.3 Activity Diagram :

Activity diagram is basically a flow chart to represent the flow from one activity to another activity. The activity can be described as an operation of the system. So the control flow is drawn from one operation to another.

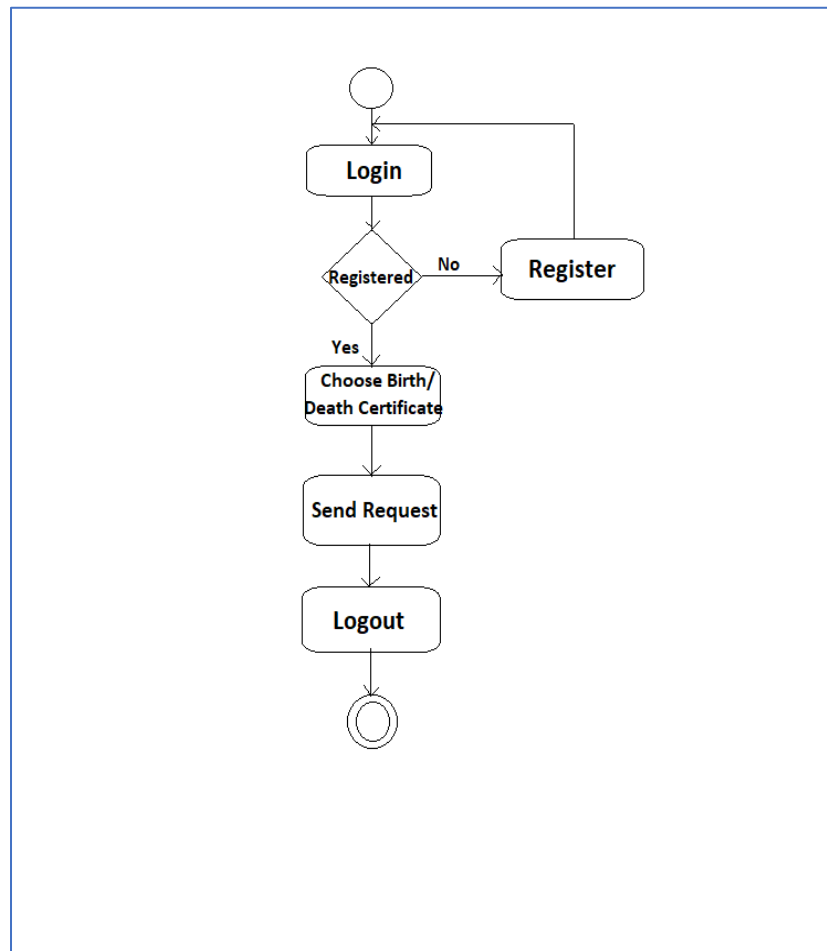


Fig. 4.2.3.1 User Activity Diagram

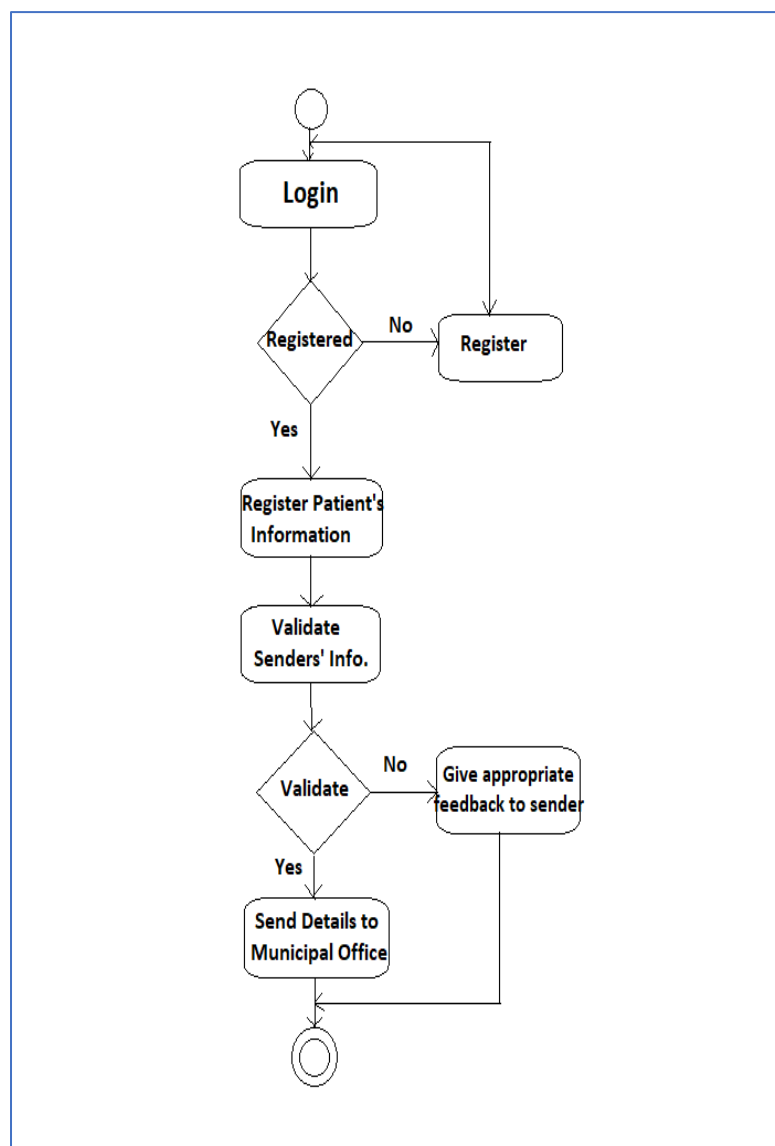


Fig. 4.2.3.2 Doctor Activity Diagram

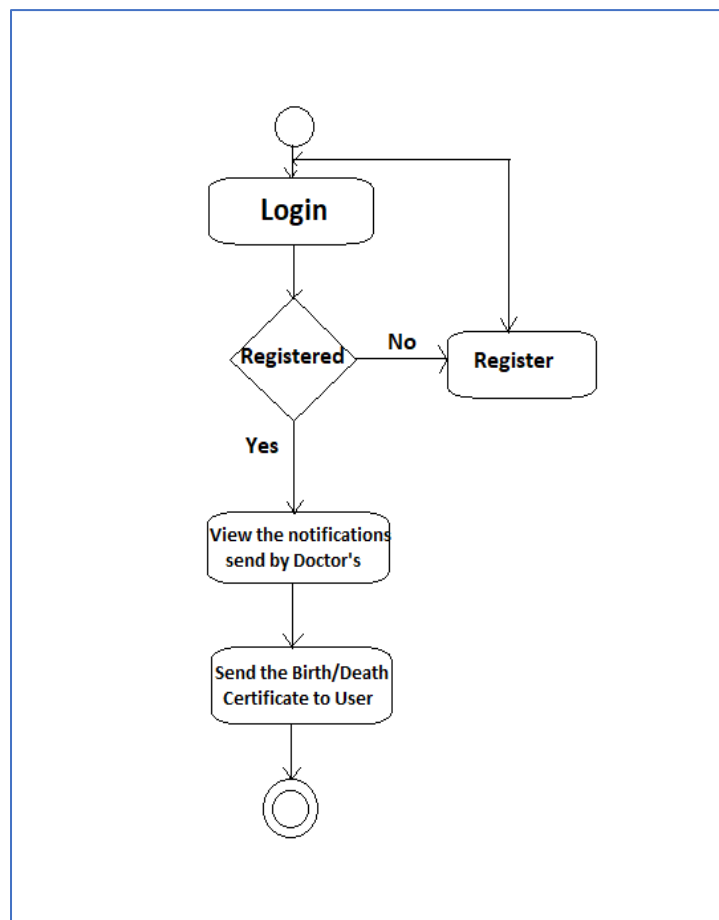


Fig. 4.2.3.3 Municipal Office Activity Diagram

4.2.4 ER Diagram :

An entity relationship diagram (ERD) shows the relationship of entity sets stored in a database. At first glance an entity relationship diagram looks very much like a flowchart. It is the specialized symbols, and the meanings of those symbols, that make it unique.

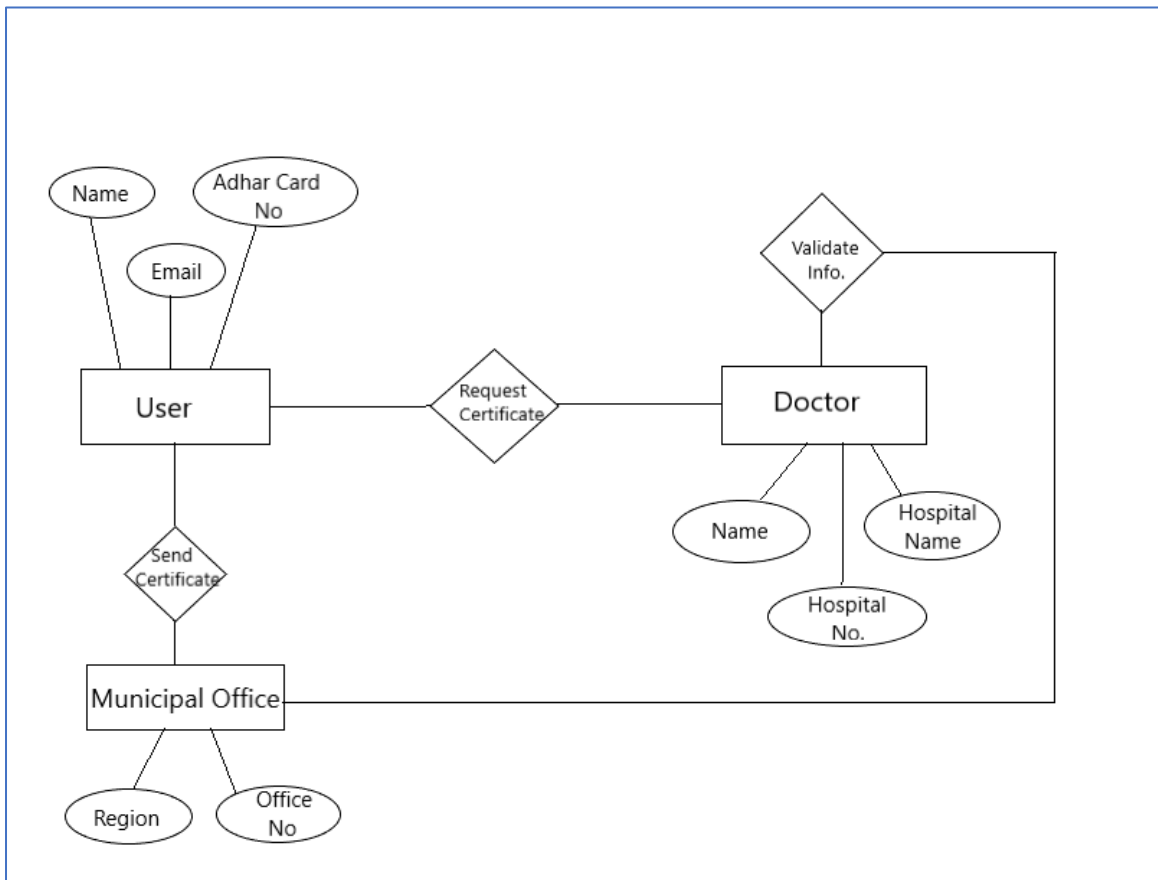


Fig. 4.2.4 ER Diagram

4.2.5 Deployment Diagram :

Deployment diagrams are used to visualize the topology of the physical components of a system, where the software components are deployed. Deployment diagrams are used to describe the static deployment view of a system. Deployment diagrams consist of nodes and their relationships.

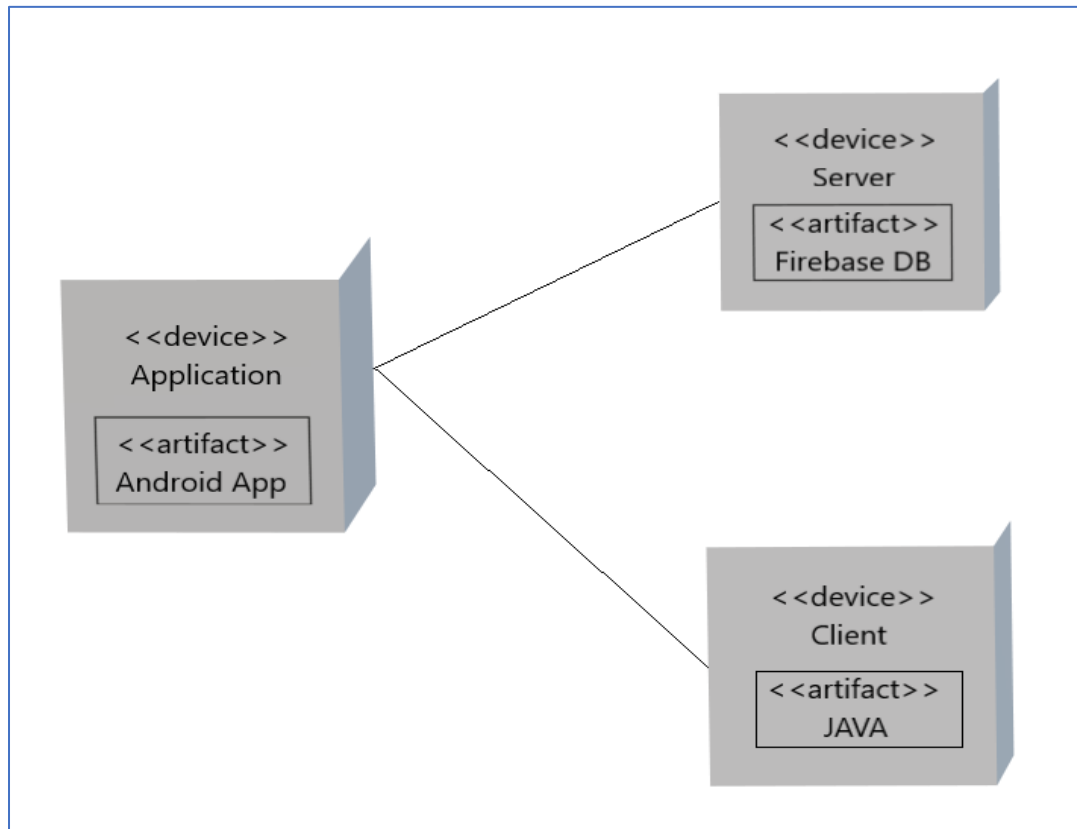


Fig. 4.2.5 Deployment Diagram

4.3. Implementation

4.3.1. Login :

First step is to login into the system to access the features of system according to the role. User, Doctor and Municipal Office, all three roles have different logins. If you have not created an account yet, you have to register first.

4.3.2. Send Request from User to Doctor :

The major role that plays in this system is of User. If user wants the certificate then after filling the form he/she request to the doctor. So, user will login into system and will send the request to the Doctor.

4.3.3. Notify Doctor :

Now after sending the request to Doctor, Doctor will get notified about the requested users information and in return Doctor will confirm birth/death related information and send that request to the Municipal Office.

4.3.4. Validate Request with Doctors Database :

As now Doctor gets users ID, doctor will check is the user bind with the Doctors ID. Doctor has their own database, which includes all patient data in it. If users request comes, it checks in database that the user has really visited to this Doctor or not.

4.3.5. Send Request from Doctor to Municipal Office :

After validating user's information through respective Doctor, Doctor sends that information to Municipal Office. If the information is correct then only it sends to Municipal Office otherwise it is discarded.

4.3.6. Notify Municipal Office :

Sending the request to Municipal Office, Municipal Office will get notified about the requested user's information through Doctor. After that Municipal Office takes next steps.

4.3.7. Send Certificate :

After receiving request from Doctor, Municipal Office sends certificate to the requested user. By this, user gets certificate within three to five days.

4.4 Database Design

The system uses Firebase Database to store the data of required for the validations. When input is given by the user, values are stored in the appropriate tables and then retrieved at the time of doctor validation. The system uses the following tables :

4.4.1 User Login Table :

| Sr. No. | Field Name | Data type | Description |
|---------|--------------------|-------------------|--|
| 1 | ID | Text | Stores the unique id for each user |
| 2 | Username | textPersonName | Stores the username of each user |
| 3 | Password | textPassword | Stores password of each user |
| 4 | Re-type Password | textPassword | Stores re-type password of each user |
| 5 | Full Name | textPersonName | Stores full name of each user |
| 6 | Address | textPostalAddress | Stores address of each user |
| 7 | Phone Number | Phone | Stores phone number of each user |
| 8 | Email | textEmailAddress | Stores email of each user |
| 9 | Aadhar-card Number | Number | Stores aadhar-card number of each user |

4.4.2 Doctor Login Table :

| Sr. No. | Field Name | Data type | Description |
|---------|--------------------|-------------------|--|
| 1 | ID | text | Stores the unique id for each doctor |
| 2 | Username | textPersonName | Stores the username of each doctor |
| 3 | Password | textPassword | Stores password of each doctor |
| 4 | Re-type Password | textPassword | Stores re-type password of each doctor |
| 5 | Full Name | textPersonName | Stores full name of each doctor |
| 6 | Address | textPostalAddress | Stores address of each doctor |
| 7 | Phone Number | Phone | Stores phone number of each doctor |
| 8 | Email | textEmailAddress | Stores email of each doctor |
| 9 | Aadhar-card Number | Number | Stores aadhar-card number of each doctor |
| 10 | Education | Text | Stores education of each doctor |
| 11 | Hospital Name | Text | Stores hospital name of each doctor |
| 12 | Register No. | Number | Stores register no. of each doctor |

4.4.3 User Birth Certificate Request Table :

| Sr. No. | Field Name | Data type | Description |
|---------|-----------------------|------------------|--|
| 1 | ID | Text | Stores Unique ID |
| 2 | Child's Father Name | textPersonName | Stores Child's Father Name |
| 3 | F Phone Number | Number | Stores father's phone number |
| 4 | F Email | textEmailAddress | Stores father's email |
| 5 | F Aadhar-card Number | Number | Stores father's aadhar-card number |
| 6 | Child's Mother Name | textPersonName | Stores Child's Mother Name |
| 7 | M Phone Number | Number | Stores mother's phone number |
| 8 | M Email | textEmailAddress | Stores mother's email |
| 9 | M Aadhar-card Number | Number | Stores mother's aadhar-card number |
| 10 | House No., House Name | Text | Stores mother's House No., House Name of parents |
| 11 | Street Name | Text | Stores street name |
| 12 | Taluka | Text | Stores name of taluka |
| 13 | District | Text | Stores name of district |
| 14 | State | Text | Stores name of State |
| 15 | Child Name | textPersonName | Stores Child's name |
| 16 | Gender | Text | Stores Child's gender |
| 17 | Birth Date | Date | Stores Child's birth date |
| 18 | Birth Time | Time | Stores Child's birth time |
| 19 | Birth Place | Text | Stores Child's birth place |
| 20 | Blood Group | Text | Stores Child's blood group |
| 21 | Hospital Number | Number | Stores hospital number |
| 22 | Doctor Name | textPersonName | Stores doctor name |

4.4.4 User Death Certificate Request Table :

| Sr. No. | Field Name | Data type | Description |
|----------------|----------------------------|------------------|---|
| 1 | ID | Text | Stores Unique ID |
| 2 | Fathers' Name | textPersonName | Stores Person's Father Name |
| 3 | Mothers' Name | textPersonName | Stores Person's Mother Name |
| 4 | Wife's/Husband's Name | textPersonName | Stores Person's Wife's/Husband's Name |
| 5 | W/H Relation | Text | Stores relation |
| 6 | Other's Name | textPersonName | Stores Name of another Person |
| 7 | Other's Relation | Text | Stores relation of another person with death person |
| 8 | Other's Phone Number | Number | Stores another person's phone number |
| 9 | Other's Email | textEmailAddress | Stores another person's email |
| 10 | Other's Aadhar-card Number | Number | Stores another person's aadhar-card number |
| 11 | House No., House Name | Text | Stores another person's House No., House Name of parents |
| 12 | Street Name | Text | Stores street name |
| 13 | Taluka | Text | Stores name of taluka |
| 14 | District | Text | Stores name of district |
| 15 | State | Text | Stores name of State |
| 16 | Name | textPersonName | Stores Death Person's name |
| 17 | Gender | Text | Stores Death Person's gender |
| 18 | Death Date | Date | Stores Death Person's death date |
| 19 | Death Time | Time | Stores Death Person's death time |
| 20 | Death Place | Text | Stores Death Person's death place |
| 21 | Hospital Number | Number | Stores hospital number |
| 22 | Doctor Name | textPersonName | Stores doctor name |

4.4.5 Doctors Birth Registration Table :

| Sr. No. | Field Name | Data type | Description |
|---------|--------------------------|------------------|--|
| 1 | ID | Text | Stores Unique ID |
| 2 | Child's Father Name | textPersonName | Stores Child's Father Name |
| 3 | F Phone Number | Number | Stores father's phone number |
| 4 | F Email | textEmailAddress | Stores father's email |
| 5 | F Aadhar-card Number | Number | Stores father's aadhar-card number |
| 6 | Child's Mother Name | textPersonName | Stores Child's Mother Name |
| 7 | M Phone Number | Number | Stores mother's phone number |
| 8 | M Email | textEmailAddress | Stores mother's email |
| 9 | M Aadhar-card Number | Number | Stores mother's aadhar-card number |
| 10 | Gender | Text | Stores Child's gender |
| 11 | Birth Date | Date | Stores Child's birth date |
| 12 | Birth Time | Time | Stores Child's birth time |
| 13 | Birth Place | Text | Stores Child's birth place |
| 14 | Blood Group | Text | Stores Child's blood group |
| 15 | House No., House Name | Text | Stores mother's House No., House Name of parents |
| 16 | Street Name | Text | Stores street name |
| 17 | Taluka | Text | Stores name of taluka |
| 18 | District | Text | Stores name of district |
| 19 | State | Text | Stores name of State |

4.4.6 Doctors' Death Registration Table :

| Sr. No. | Field Name | Data type | Description |
|---------|----------------------------|------------------|---|
| 1 | ID | Text | Stores Unique ID |
| 2 | Fathers' Name | textPersonName | Stores Person's Father Name |
| 3 | Mothers' Name | textPersonName | Stores Person's Mother Name |
| 4 | Wife's/Husband's Name | textPersonName | Stores Person's Wife's/Husband's Name |
| 5 | W/H Relation | Text | Stores relation |
| 6 | Other's Name | textPersonName | Stores Name of another Person |
| 7 | Other's Relation | Text | Stores relation of another person with death person |
| 8 | Other's Phone Number | Number | Stores another person's phone number |
| 9 | Other's Email | textEmailAddress | Stores another person's email |
| 10 | Other's Aadhar-card Number | Number | Stores another person's aadhar-card number |
| 11 | Name | textPersonName | Stores Death Person's name |
| 12 | Gender | Text | Stores Death Person's gender |
| 13 | Death Date | Date | Stores Death Person's death date |
| 14 | Death Time | Time | Stores Death Person's death time |
| 15 | Death Place | Text | Stores Death Person's death place |
| 16 | House No., House Name | Text | Stores another person's House No., House Name of parents |
| 17 | Street Name | Text | Stores street name |
| 18 | Taluka | Text | Stores name of taluka |
| 19 | District | Text | Stores name of district |
| 20 | State | Text | Stores name of State |

4.4.3 Municipal Office Login Table :

| Sr. No. | Field Name | Data type | Description |
|----------------|---------------------|-------------------|--|
| 1 | User ID | Text | Stores the unique id for each municipal office |
| 2 | Username | textPersonName | Stores the username of each municipal office |
| 3 | Password | textPassword | Stores password of each municipal office |
| 4 | Re-type Password | textPassword | Stores re-type password of each municipal office |
| 5 | Region | Text | Stores full name of each municipal office |
| 6 | Regional Office No. | number | Stores address of each municipal office |
| 7 | Address | textPostalAddress | Stores phone number of each municipal office |
| 8 | Phone Number | Phone | Stores email of each municipal office |
| 9 | Email | textEmailAddress | Stores aadhar-card number of each municipal office |

Chapter 5: Test Cases

| Test Case ID | Objective | Steps | Input | Expected Result | Actual Result | Status |
|--------------|--|--|---|---|-----------------------------------|--------|
| TC_01 | To check that user is able to login with valid username and password | Enter the valid username and password and click on login button | Username: ab@gmail.com Password: Ab123 | Respective homepage will be open | Respective homepage is opened | Pass |
| TC_02 | To check whether user is able to login with invalid username and password | Enter invalid username and password | Username: aabbcc Password: abc | Invalid username and password toast message will appear | Invalid toast message is appeared | Pass |
| TC_03 | To verify that validation message is displayed in case the user leaves password and username field blank | Enter username and leave password field empty and then click on login button | Username: ab@gmail.com Password: | Validation message will be appeared | Validation message is appeared | Pass |
| TC_04 | To check if unregistered user clicks on Login now button then home page opened | Click on login now button on login page | N/A | Home page won't open | Home page isn't opened | Pass |

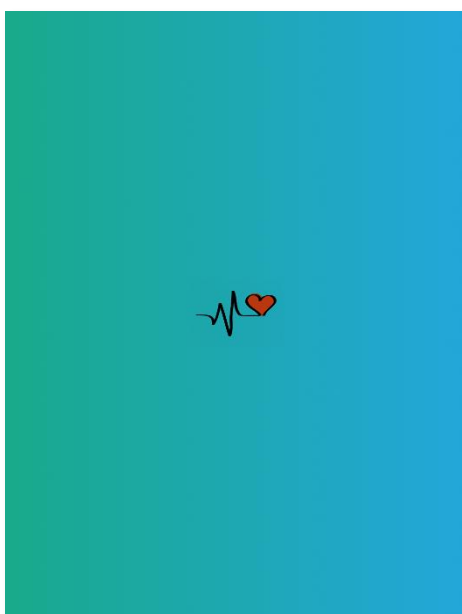
| | | | | | | |
|-------|--|--|---|--|-----------------------------------|------|
| TC_05 | To verify that all required fields are showing message if user leaves fields empty | Enter data in some fields & leave other empty & click on submit button | Text | Validation message will appear | Validation message is appeared | Pass |
| TC_06 | To validate Email address field | Enter email address without '@' sign | Text | Validation message will appear | Validation message is appeared | Pass |
| TC_07 | To verify that correct date is displayed in field when user choose date from date picker | Select date from date picker | N/A | Correct date should be displayed | Correct date is displayed | Pass |
| TC_08 | To check after clicking on submit button data is stored in database | Enter the valid data And click on submit button | Text | Data should be stored and User can login | Data is stored and user can login | Pass |
| TC_09 | To check whether page jumps on respective page when user clicks back button | Click on back button | N/A | Appropriate page should open | Appropriate page is opened | Pass |
| TC_10 | To check respective homepage will open for respective module | Login for validated module in login page | Username: doctor1@gmail.com Password: Doc123 | Respective homepages will open | respective homepages will opened | Pass |

| Test Case ID | Objective | Steps | Input | Expected Result | Actual Result | Status |
|--------------|--|---|-------|---|---|--------|
| TC_01 | To check after clicking on menu whether the respective page is opened or not | Click on any menu in drawer menu | N/A | The respective page will open on same screen | The respective page is opened on same screen | Pass |
| TC_02 | To check whether the information is sent to Doctor or not after clicking the 'Send Request' Button | Fill the Valid Information And Click on 'Send Request' Button | Text | Data should appear on Doctor's notification field | Data is appeared on Doctor's notification field | Pass |
| TC_03 | To check whether the form is submitted when the submit btn is clicked | Fill valid information and click on button | Text | Data should be saved to database | Data is saved to database | Pass |
| TC_04 | To Check whether the user's information is retrieved when it goes to Doctor | View Doctor's Notification field | N/A | User's information should be retrieved | User's information is retrieved | Pass |
| TC_05 | To check whether the user's Information is stored in Doctor's database | Enter the valid data And click on submit button | Text | Data should be stored | Data is stored | Pass |

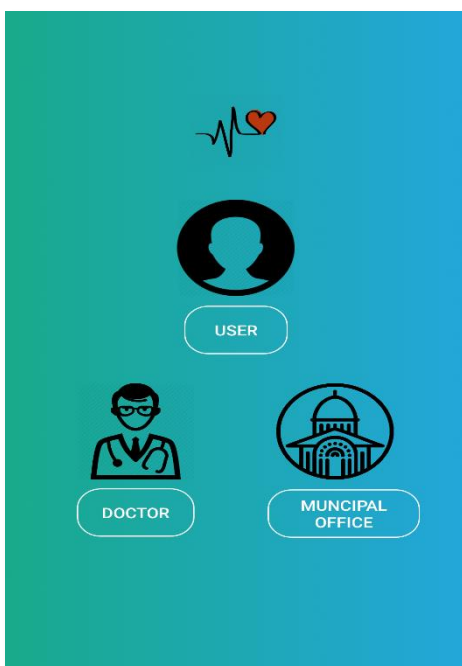
| | | | | | | |
|-------|---|--|------|---|--|------|
| TC_06 | To check whether the notification is sent to respective Doctor | Fill Valid Information and click submit button | Text | The information should be displayed on respective doctor's notification field | The information is displayed on respective doctor's notification field | Pass |
| TC_07 | To check whether the notification is sent from Doctor to Municipal Office | Click submit button | Text | The information should be displayed on respective Municipal Office's notification field | The information is displayed on respective Municipal Office's notification field | Pass |
| TC_08 | To check whether the respective page is opened or not when clicked on back button | Click on Back button | N/A | The respective page should open | The respective page is opened | Pass |
| TC_09 | To check whether the requested user gets a certificate | Municipal Office clicks on 'send certificate' button | Text | Certificate should be send | Certificate is sent | Pass |

Chapter 6: Screenshots

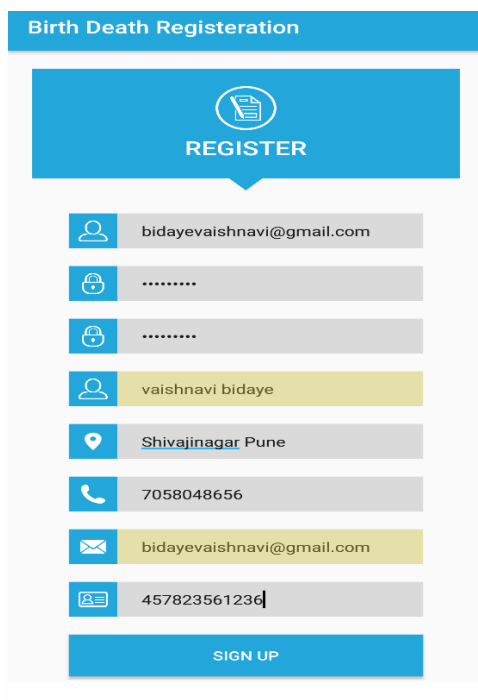
6.1.1 Homepage :



6.1.2 Homepage :

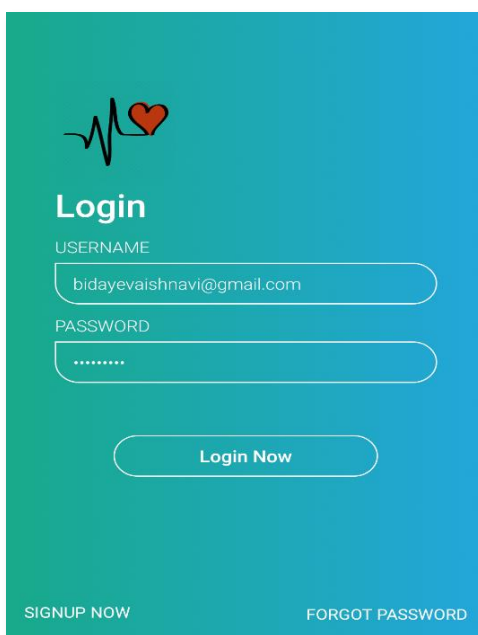


6.2.1 User's Registration Page :



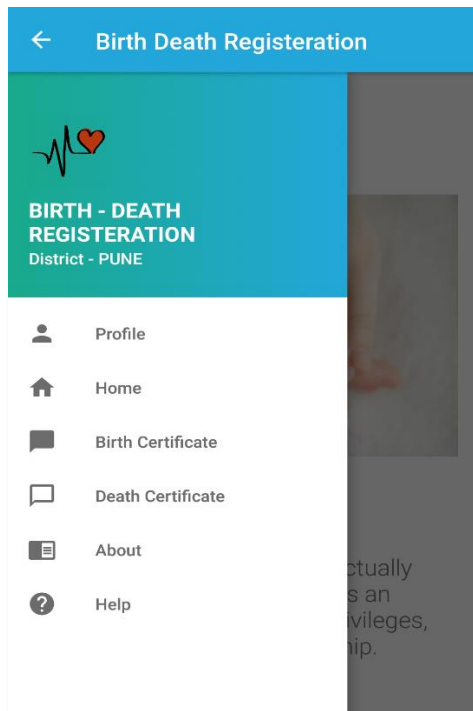
The registration form is titled "Birth Death Registration" and features a prominent blue "REGISTER" button at the top. Below this, the form consists of several input fields, each preceded by a small icon: a person icon for the email address "bidayevaishnavi@gmail.com", a lock icon for the password "*****", another lock icon for a second password "*****", a person icon for the name "vaishnavi bidaye", a location pin icon for "Shivajinagar Pune", a telephone icon for the phone number "7058048656", an envelope icon for a secondary email "bidayevaishnavi@gmail.com", and an ID card icon for the ID number "457823561236". A blue "SIGN UP" button is positioned at the bottom of the form.

6.2.2 User's Login Page :



The login page has a teal-to-blue gradient background. At the top, there is a logo consisting of a black heartbeat line and a red heart. Below the logo, the word "Login" is displayed in a large, white font. The form includes two input fields: "USERNAME" with the value "bidayevaishnavi@gmail.com" and "PASSWORD" with the value "*****". A white "Login Now" button is centered below the password field. At the bottom of the page, there are two links: "SIGNUP NOW" on the left and "FORGOT PASSWORD" on the right.

6.2.3 User's Home Page :



6.2.4 Sending Birth Certificate Request :

3:18 PM 0.0KB/s H+

Birth Death Registration

Parent's Registration Form :


1. Fathers' Details


| | |
|--|---------------------------|
| | Shrikant Bidaye |
| | 9421189357 |
| | bidayevaishnavi@gmail.com |
| | 459632147852 |


2. Mothers' Details


| | |
|--|---------------------------|
| | Shreya Bidaye |
| | 8237623935 |
| | bidayevaishnavi@gmail.com |
| | 458971234569 |


3. Address Details


 Aarya Complex

 Ganeshkhind Road

 Haveli


 Pune


 Maharashtra


 bidayevaishnavi@gmail.com


Child Registration Form :


1. Child Details


 Jui


 Female


 06/10/2018

 08:30

 Shivajinagar


 O+


 1234

 sanket27@gmail.com

BACK **NEXT**

(continued)

 Birth Death Registration

 **BIRTH CERTIFICATE**

For a Birth Certificate, you can apply online. Certificates are sent you on your registered email id or phone number. You can not get a certificate from a service center.

BIRTH CERTIFICATE

updated


6.2.5 Sending Death Certificate Request :


2:18 PM 0.0KB/s H+


Birth Death Registration


Death Persons' Registration Form :


1. Death Persons' Details


 Aarya bidaye


 Female

 09/05/2018

 07:05


 845588

 1234


 sanket27@gmail.com

Parent's Registration Form :


1. Fathers' Details


 Shrikant Bidaye

2. Mothers' Details


 Shreya Bidaye


3. Wives'/Husbands' Details


 Wives'/Husbands' Name


 Relation

4. Others' Details

 vaishnavi bidaye


 sister


 8237623932


 bidayevaishnavi@gmail.com


123456789532


5. Address Details


Aarya Complex


Ganeshkhind Road


12



Pune



27

BACK

NEXT

(continued)


Birth Death Registration

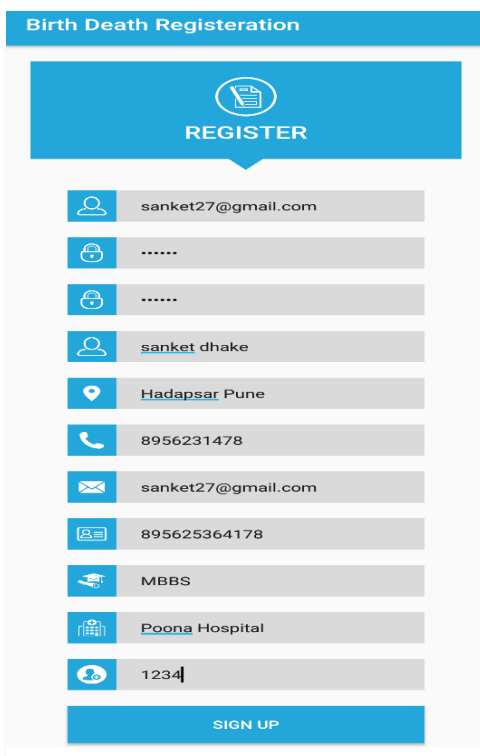

DEATH CERTIFICATE

For a Death Certificate, you can apply online. Certificates are sent you on your registered email id or phone number. You can not get a certificate from a service center.

DEATH CERTIFICATE

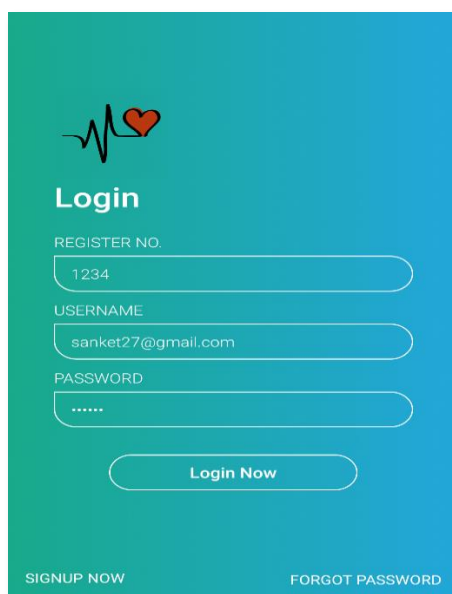
Record savedAarya bidaye

6.3.1 Doctor's Registration Page :



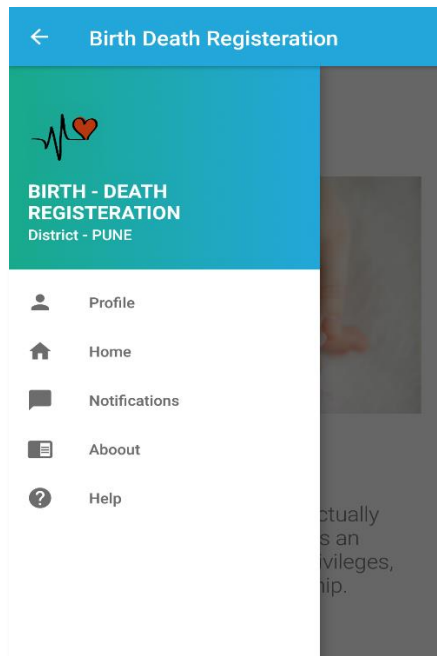
The screenshot shows a mobile application interface for 'Birth Death Registration'. At the top, there is a blue header with the text 'Birth Death Registration'. Below this is a white box with a blue header containing a document icon and the word 'REGISTER'. The registration form consists of several fields, each with an icon on the left and a text input field on the right. The fields are: Email (sanket27@gmail.com), Password (masked with dots), Confirm Password (masked with dots), Name (sanket dhake), Location (Hadapsar Pune), Phone Number (8956231478), Email (sanket27@gmail.com), ID Number (895625364178), Education (MBBS), Hospital (Poona Hospital), and a final ID field (1234). At the bottom of the form is a blue button labeled 'SIGN UP'.

6.3.2 Doctor's Login Page :

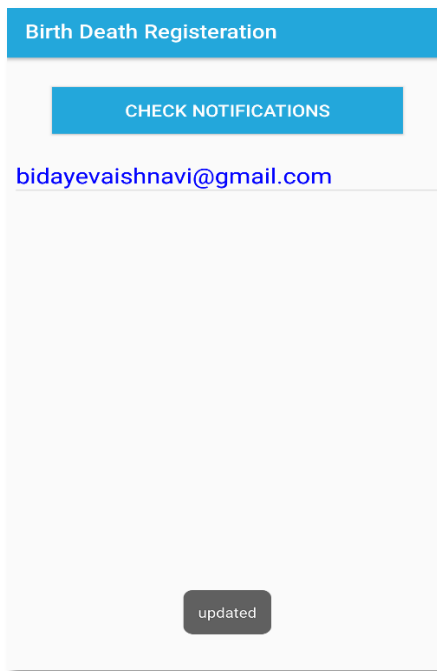


The screenshot shows a mobile application interface for 'Login'. At the top, there is a green header with a white heart icon and a white ECG line. Below this is a white box with a green header containing the word 'Login'. The login form consists of four fields, each with a label on the left and a text input field on the right. The fields are: REGISTER NO. (1234), USERNAME (sanket27@gmail.com), PASSWORD (masked with dots), and a 'Login Now' button. At the bottom of the form are two links: 'SIGNUP NOW' and 'FORGOT PASSWORD'.

6.3.3 Doctor's Home Page :



6.3.4 Requested User's Birth Certificate Notification To Doctor :



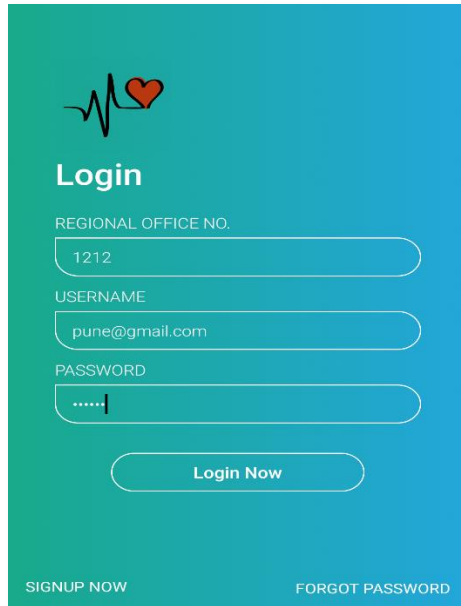
6.3.5 Requested User's Death Certificate Notification To Doctor :

The screenshot shows a mobile application interface for 'Birth Death Registration'. At the top is a blue header with the text 'Birth Death Registration'. Below the header is a white box containing a blue button labeled 'NOTIFICATIONS'. Underneath the button, the email address 'bidayevaishnavi@gmail.com' is listed in blue text. The rest of the screen is a light gray area.

6.4.1 Municipal Office's Registration Page :

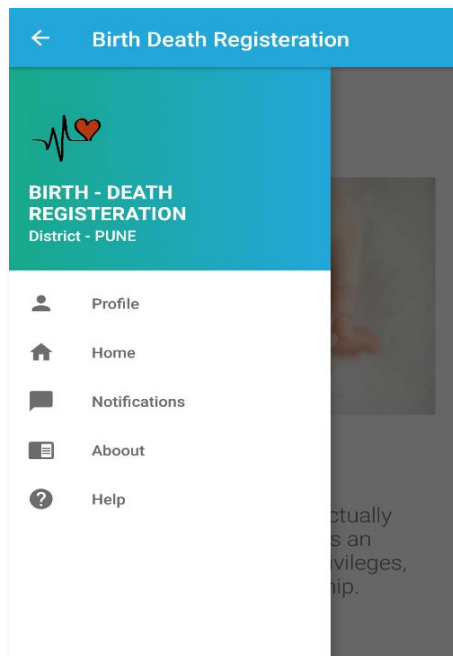
The screenshot shows a mobile application interface for 'Birth Death Registration'. At the top is a blue header with the text 'Birth Death Registration'. Below the header is a white box containing a blue button labeled 'REGISTER'. Above the 'REGISTER' button, there is a link that says 'Already a member? Login Here' with a circular icon containing a document and a checkmark. Below the 'REGISTER' button, there are several input fields, each with a blue icon on the left and a gray input area on the right. The fields are: a person icon followed by 'pune@gmail.com', a lock icon followed by '*****', a padlock icon followed by '*****', a map icon followed by 'Pune', a person icon followed by '1212', a location pin icon followed by 'Pune', a telephone icon followed by '8096547123', and an envelope icon followed by 'pune@gmail.com'.

6.4.2 Municipal Office's Login Page :

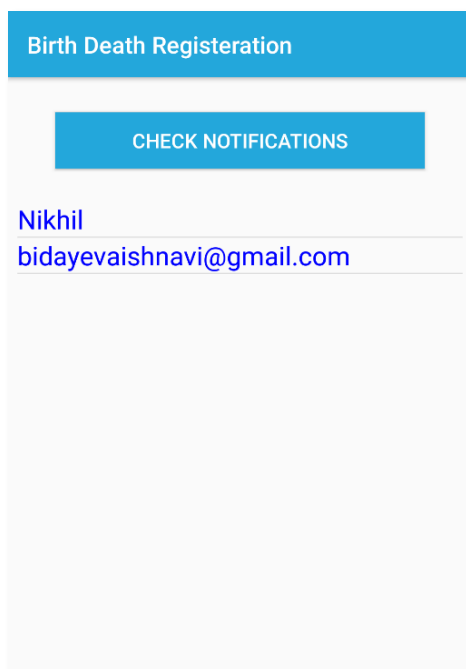


The login page features a teal and blue gradient background. At the top left is a logo consisting of a black heartbeat line and a red heart. Below the logo, the word "Login" is displayed in white. The form includes three input fields: "REGIONAL OFFICE NO." with the value "1212", "USERNAME" with the value "pune@gmail.com", and "PASSWORD" with masked characters ".....". A white "Login Now" button is positioned below the password field. At the bottom, there are two links: "SIGNUP NOW" on the left and "FORGOT PASSWORD" on the right.

6.4.3 Municipal Office's Home Page :

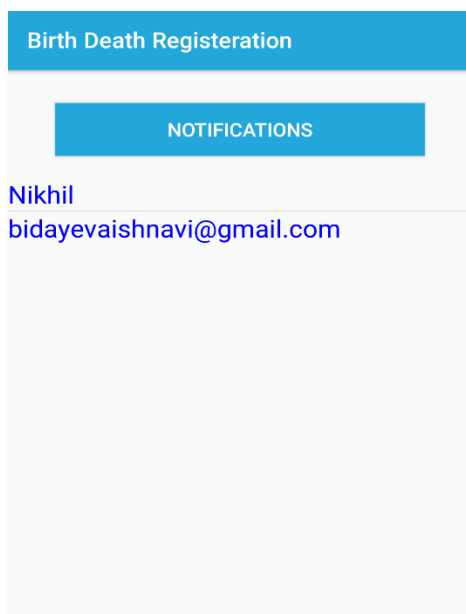


6.4.4 Birth Certificate Notifications through Doctor :



The screenshot shows a mobile application interface for 'Birth Death Registration'. At the top is a blue header bar with the text 'Birth Death Registration'. Below the header is a white card with a blue button labeled 'CHECK NOTIFICATIONS'. Underneath the button, the user's name 'Nikhil' and email address 'bidayevaishnavi@gmail.com' are displayed in blue text, separated by a horizontal line.

6.4.5 Death Certificate Notifications through Doctor :



The screenshot shows the same mobile application interface as the previous one, but with a different button. The blue header bar still says 'Birth Death Registration'. The white card now features a blue button labeled 'NOTIFICATIONS'. Below the button, the user's name 'Nikhil' and email address 'bidayevaishnavi@gmail.com' are displayed in blue text, separated by a horizontal line.

6.5.1 Birth Certificate Email received on User's Email Address :

BIRTH CERTIFICATE

Childs Father Name Shrikant Bidaye

Childs Father phone number 9421189357

Childs Father aharcad 458697032112

Childs Mother Name Shreya Bidaye

Childs Mother Phone number 8237623935

Childs Mother adharcard 451236980745

Childs address Arya ComplexGaneshkhind RoadHaveliPuneMaharashtra

Childs Name1

Childs GenderFemale

Childs Birth Date 06/10/2018

Childs Birth Time 08:30

Childs Birth PlacePune

Childs Blood Group O+

Childs Hospital namenull

Childs Doctor Namesanket27@gmail.com

6.5.2 Death Certificate Email received on User's Email Address :

DEATH CERTIFICATE

(Issued under section 12/17 of the registration of Births and Deaths Act. 1969 and Rules 8/13 of the Maharashtra Registration of Births and Deaths Rules, 2000)

This is to certify that the following information has been taken from the original record of death which is the register for (local area/local body) pune municipal corporation of tahsil/block pune of district pune of maharashtra State

Full name of Deceased :Aarya bidaye

Gender Male :

Date of Death :09/05/2018

Place of Death :845588

Name of Mother :Shreya Bidaye

Fullname of Father :Shrikant Bidaye

Husband/Wife Name :

Time of Death :07:05

Address :Aarya ComplexGaneshkhind Road12Pune

Chapter 7: Strength and Limitations

Strength :

1. The work has automated with this system.
2. It helps in getting the certificate to user within three to five days.
3. User, Doctor and Municipal Office got one common platform to integrate and work together.
4. This system saves a lot of time and offline work.
5. Promotes Digital India.
6. Easy to use and understand.

Limitations :

1. Lack of digital literacy in users may create some limitations for system acceptance.

Chapter 8: Future Scope

1. It will give scopes to rural peoples to step up for Globality.
2. We will also notify the users about all required important legal documents he/she should have for his/her academic or professional purpose.

Chapter 9: Conclusion

This Application promotes Digitalization and easy to use and understand. It provides direct platform for healthy communication between Government Organization and common man by utilizing minimum time that it can be.

It eliminates mediators in system and provide direct communication between User and Municipal Office. There is a less commission gap and hence it reduces Inflation problem.

In future it also gives scopes to rural peoples to step up for Globality.

Chapter 10: References

- <https://www.tutorialspoint.com>
- <https://firebase.com>
- <https://stackoverflow.com>
- <https://www.quora.com>
- <https://www.youtube.com>
- www.google.com