AUTOMATION OF MOBILE MEDICAL UNIT

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MOBILE APP MODULE

USER MANUAL

Prepared By

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1. Introduction

The overall objective of user management module is to manage the user at different levels. It allows to manage the menu details, create and manage template details and mapping of menu and template. Users are also created and managed in the system through this module only. Users are activated and deactivated in the system. User. The role and rights functionality allows to manage access rights of the user based on assigned role.

2. Brief Overview

2.1 Features

This module manages the following features:

- Registration of new user
- Login
- Display Personal information
- Book appointment
- Appointment status (including cancel and reschedule appointment)
- OPD History
- Add family member
- View camp plan
- Logout

2.2 Target Users

The following users can access the user management module:

1. Patient

3. Detailed requirement

3.1 Registration of new user

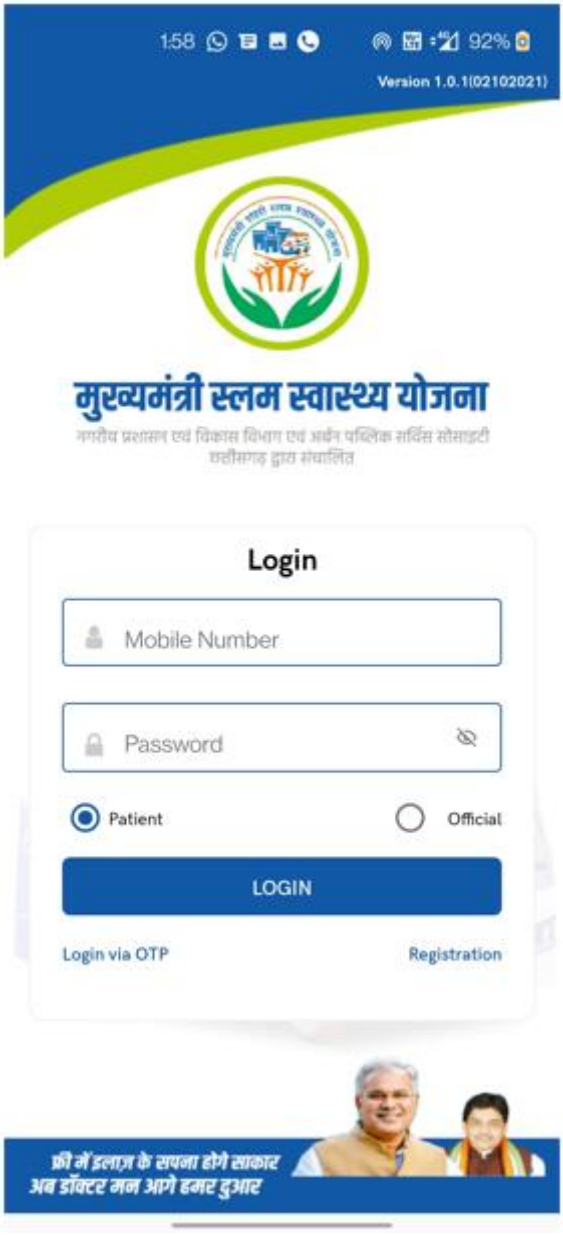
3.1.1 Description

This functionality allows the user to register new user in the app. The registration is one via OTP. Once the details of user is entered, OTP is generated. After verifying the OTP, the user is registered in the app.

3.1.2 Prerequisites

1. MMU app is installed on user mobile

3.1.3 Screenshot



3.1.4 Field Description

S. No	Field Name	Description
1	Name	It refers to the name of user who needs to be registered in app
2	Gender	It refers to the gender of the user

3	Age	It refers to the age of user
4	Patient mobile number	It refers to the mobile number of user. This mobile number is used to login into the app
5	Password	It refers to the password that should be used for login into the app
6	Confirm password	It refers to the confirm password that should be same as password.

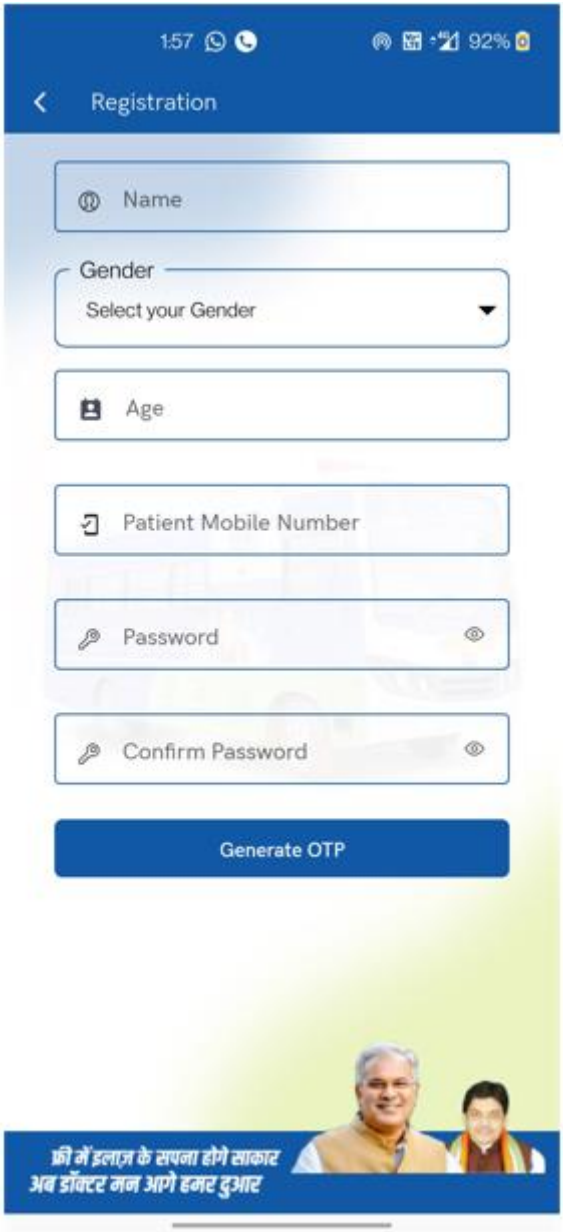
REGISTRAION SCREEN form contains following **BUTTONS:**

SUBMIT: This button allows to register the new user in app.

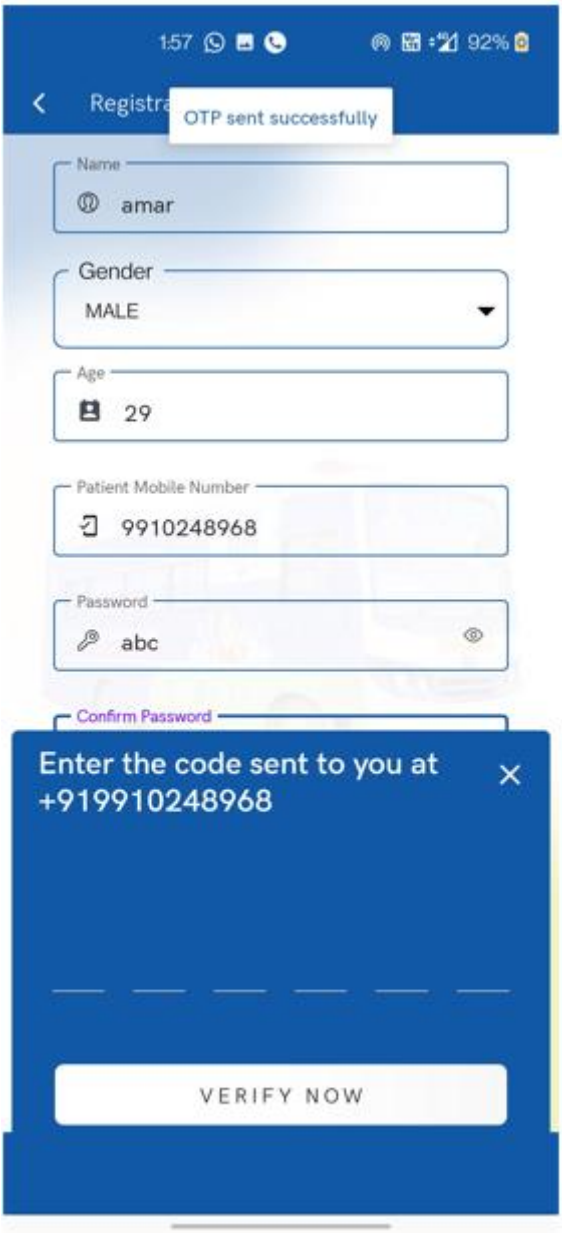
3.1.5 Flow

Steps of process flow:

1. Tab on registration link available on Login screen
2. The app displays the registration screen as follows:



3. Enter/ select the user details
4. Tab on Generate OTP button
5. The app displays the OTP pop-up for entering OTP:



6. Enters the OTP
7. Tabs on Verify now button to register the user

3.1.6 Messages

S. No.	Message	Reason	Expected Action from the user
1.	Please enter name	This message indicates that name is not entered before tabbing on Generate OTP button	User should enter the name

2.	Please select gender	This message indicates that gender is not selected before tabbing on Generate OTP button	User should select the gender
3.	Please enter age	This message indicates that age is not entered before tabbing on Generate OTP button	User should enter the age
4.	Please enter patient mobile number	This message indicates that patient mobile number is not entered before tabbing on Generate OTP button	User should enter the patient mobile number
5.	Please enter password	This message indicates that password is not entered before tabbing on Generate OTP button	User should enter the password
6.	Please enter confirm password	This message indicates that confirm password is not entered before tabbing on Generate OTP button	User should enter the confirm password
7.	Confirm password should be same as password	This message indicates that confirm password is not same as password	User should enter the valid confirm password

3.2 Login

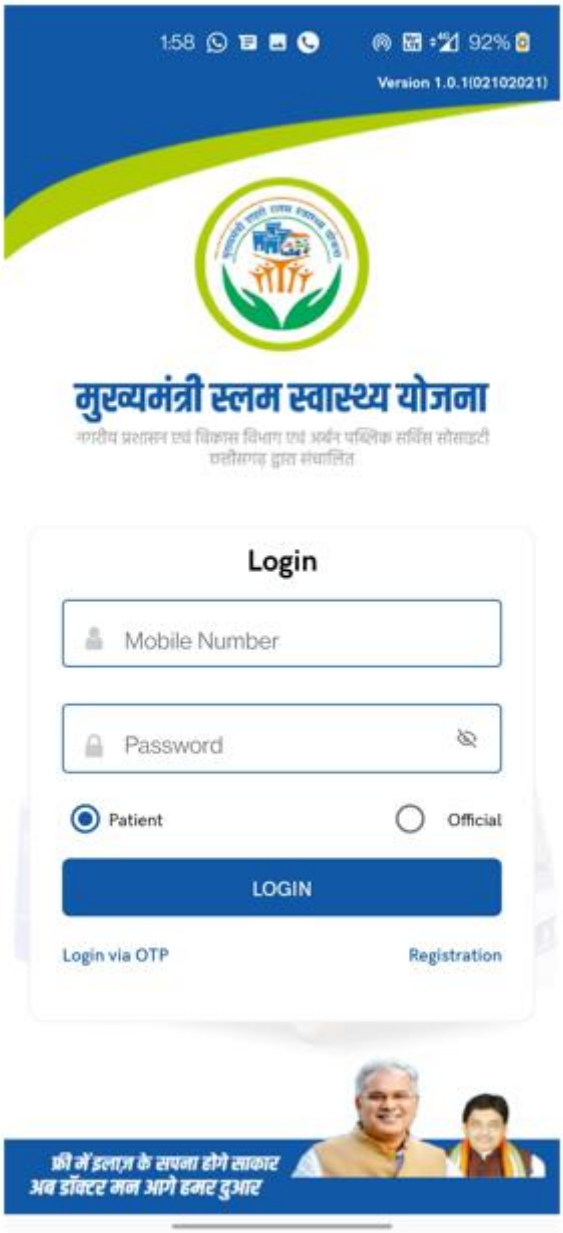
3.2.1 Description

This functionality allows the user to login into the mobile app and access the various functionality assigned to him/ her. User can login into the app via two methods: via password and via OTP. Password should be the same which has been entered while registration. After login into the app, the user can access the functionality based on assigned role.

3.2.2 Prerequisites

1. Mobile app must be installed on the user's mobile
2. User must have valid user credentials
3. Internet connection should be active

3.2.3 Screenshot



3.2.4 Field Description

S. No	Field Name	Description
1	Mobile number	It refers to the username of the user for accessing the mobile app.
2	Password	It refers to the password of the user for accessing the mobile app.
3	Patient or Official	It defines whether the user is logged in as Patient of official
4	OTP	It refers to the OTP sent to user for login when tabs on login via OTP link

LOGIN SCREEN contains following **BUTTON:**

Login: It allows the user to login into the mobile app after entering valid user credentials.

3.2.5 Flow

Steps of process flow:

CASE-1 ("LOGIN VIA PASSWORD)

1. Tabs on MMUs icon on mobile
2. Enters the mobile number and password
3. Tabs on Login button to login into the mobile app

CASE-2("LOGIN VIA OTP")

1. Tabs on MMUs icon on mobile
2. Enters the mobile number
3. Tabs on Login via OTP link
4. Enters the OTP in pop-up
5. Tabs on Verify now button to login into the mobile app

3.2.6 Messages

S. No.	Message	Reason	Expected Action from the user
1.	Please enter mobile number	This message indicates that mobile number has not been entered before tabbing on Login button	User should enter mobile number
2.	Please enter password	This message indicates that password has not been entered before tabbing on Login button	User should enter password
3.	Please enter password	This message indicates that password has not been entered before tabbing on Login button	User should enter password
4.	Incorrect user credentials	This message indicates that the entered user credentials are not correct	User should enter valid user credentials
5.	Incorrect OTP	This message indicates that the entered OTP is not correct	User should enter valid OTP

3.3 Dashboard

3.3.1 Description

This functionality allows the user to view the dashboard of mobile app. It shows the different functionalities assigned to the logged-in user. After tabbing on the respective functionality, the user can access the functionality and perform his/ her activity (s).

3.3.2 Prerequisites

1. User must be logged-in into the app

3.3.3 Screenshot

3.3.4 Field Description

S. No.	Field Name	Description
1	Book appointment	It allows the user to book appointment
2	Appointment status	It allows the user to view history of appointment as well as the option to cancel or reschedule appointment
3	Camp plan	It allows the user to view camp details against selected city
4	Add family member	It allows the user to register family member against logged-in's mobile number
5	OPD history	It allows the user to view the OPD history as well as the option to download cash sheet, prescription and referral.

3.3.5 Flow

Steps of process flow:

1. User logins into the app
2. The app displays the dashboard **(Refer screenshot)**

3.3.6 Messages

N/A

3.4 Display personal information

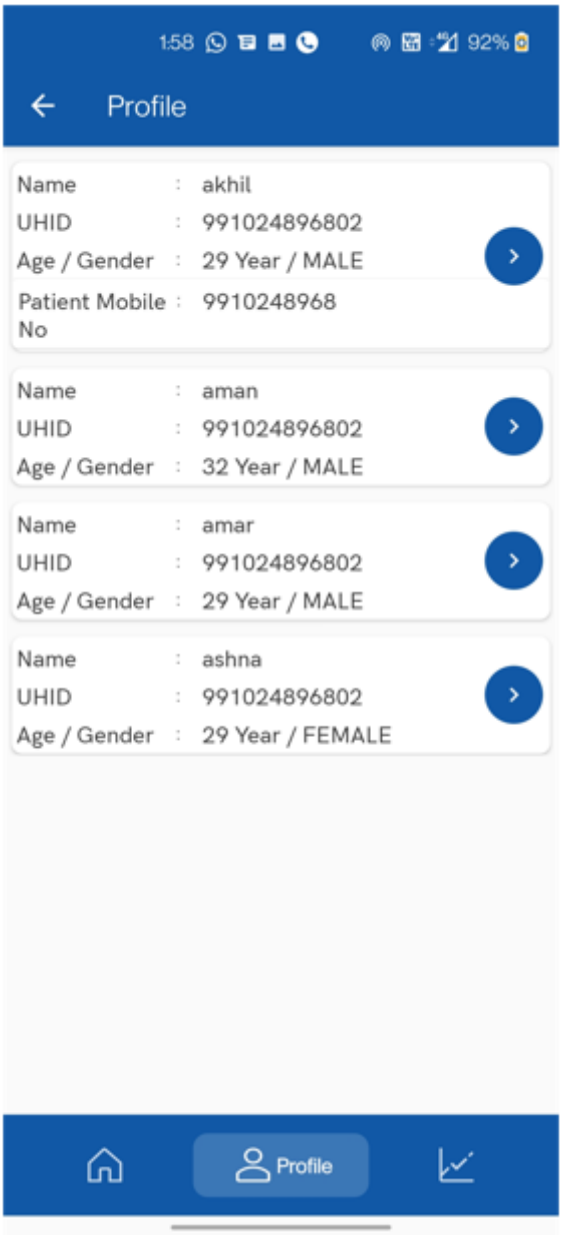
3.4.1 Description

This functionality allows the user to view basic details of the registered user against the entered user credentials. It includes name, UHID No., gender/age and mobile number. It displays the list of all user (s) who are registered against the entered mobile number either through registration process or through add family member screen.

3.4.2 Prerequisites

2. User must be logged-in into the app and is having access to "Personal Information"

3.4.3 Screenshot



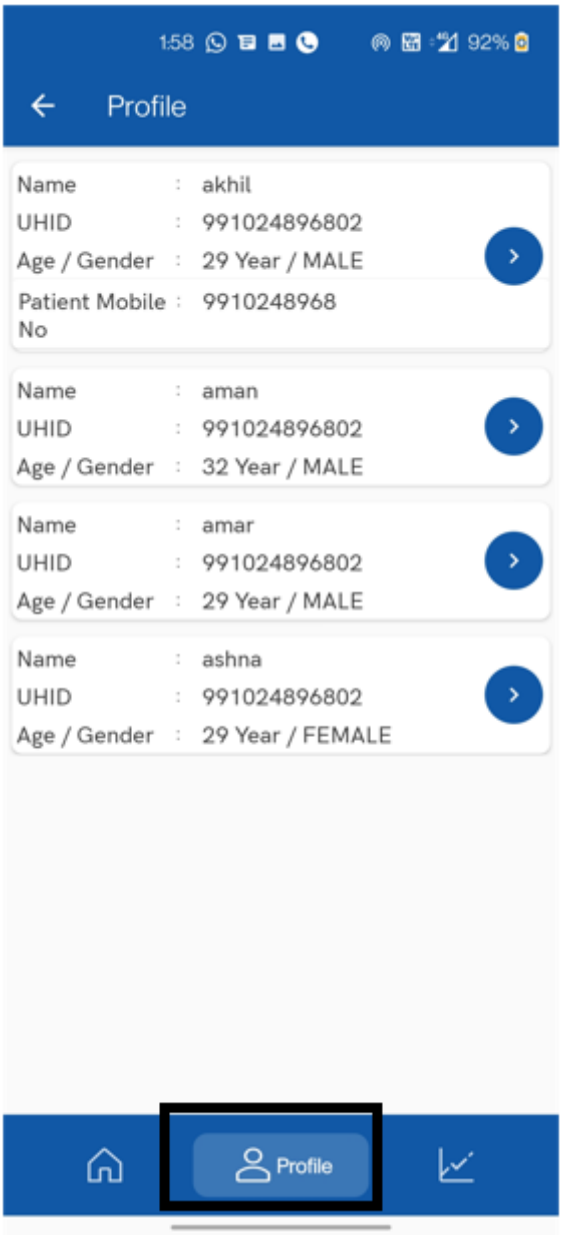
3.4.4 Field Description

S. No.	Field Name	Description
1	Name	It refers to the name of the registered user
2	UHID No.	It refers to a unique system generated number while patient registration
3	Gender/ Age	It refers to the gender and age of the registered user
4	Mobile number	It refers to the mobile number with which the user is logged-in

3.4.5 Flow

Steps of process flow:

3. User tabs on the Profile icon given on bottom of the mobile app as shown below:



4. The system displays the following information of registered member:
    - Name
    - UHID
    - Age/ Gender
    - Mobile number

3.4.6 Messages

N/A

3.5 Book appointment

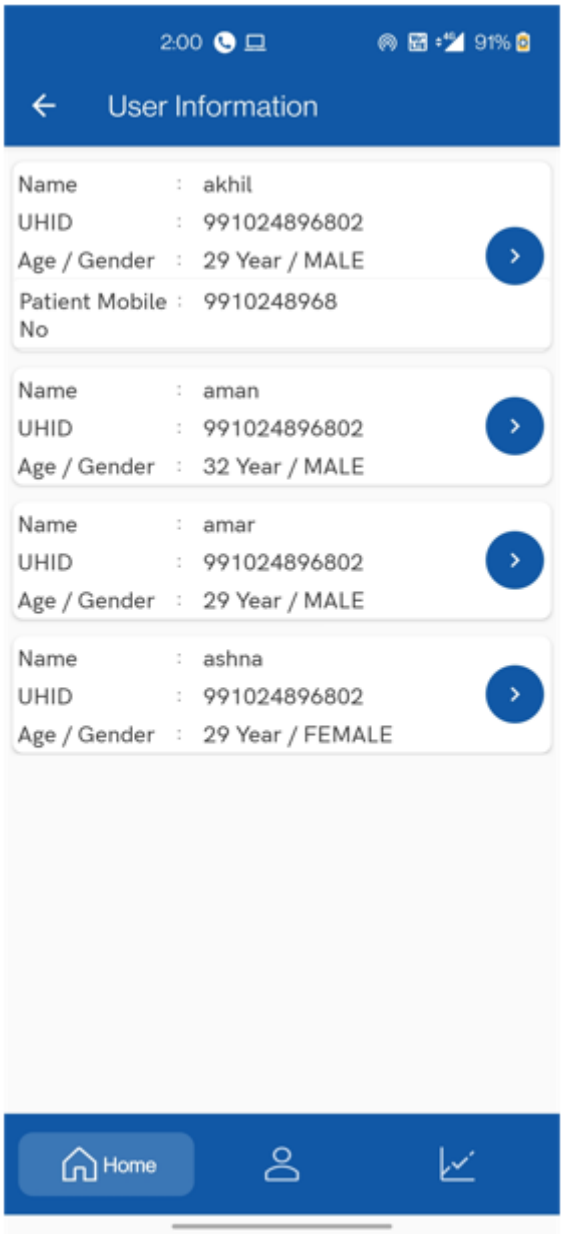
3.5.1 Description

This functionality allows the user to book the appointment based on appointment date, city and camp. Once the appointment is booked, the same is displayed in appointment status or history.

3.5.2 Prerequisites

User must be logged-in into the application and is having access to “Book Appointment”

3.5.3 Screenshot



3.5.4 Field Description

S. No.	Field Name	Description
1	Name	It refers to the name of the patient whose appointment needs to be booked
2	UHID	It refers to the UHID number of patient generate doing registration
3	Age/ Gender	It refers to the age and gender of the patient
5	Patient mobile number	It refers to the mobile number against the patient is registered

6	Appointment date	It refers to the date against the appointment needs to be booked
7	City	It refers to the city against which the appointment needs to be booked
8	Camp	It refers to the camp name against which the appointment needs to be booked. It displays the camp name as well as the current distance between patient location and the selected camp location
9	Time slot	It refers to the list of time slot available against the selected appointment date, city and camp. It displays the time in 12- hour format

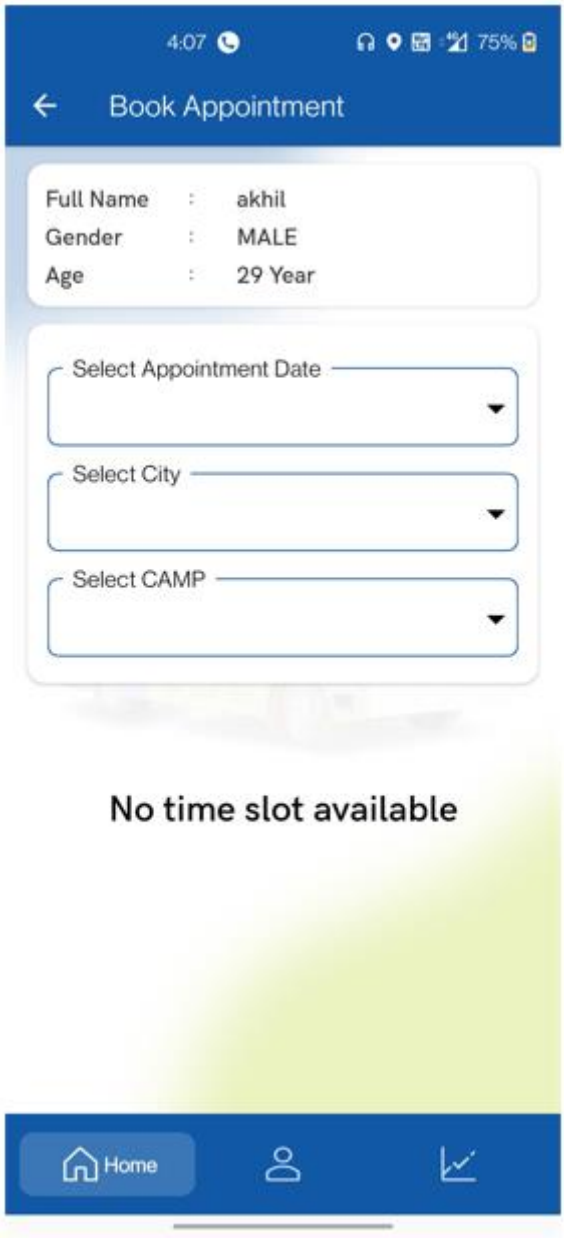
Book Appointment screen contains following **BUTTON:**

Submit: This button is used to book the appointment of the patient after selecting time slot.

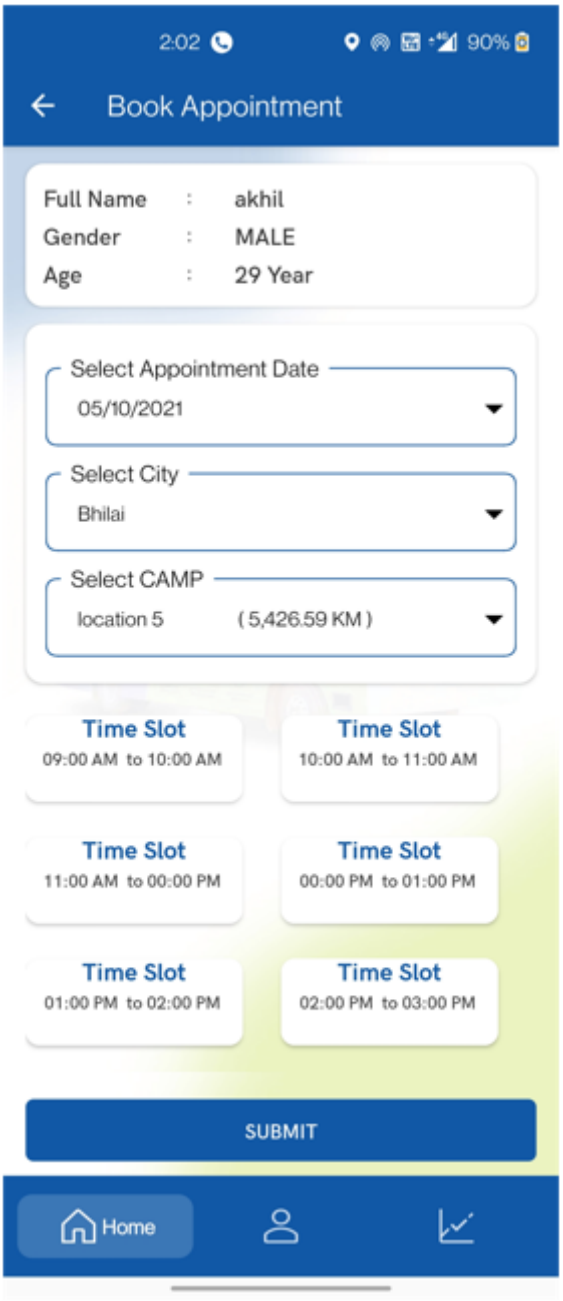
3.5.5 Flow

Steps of process flow:

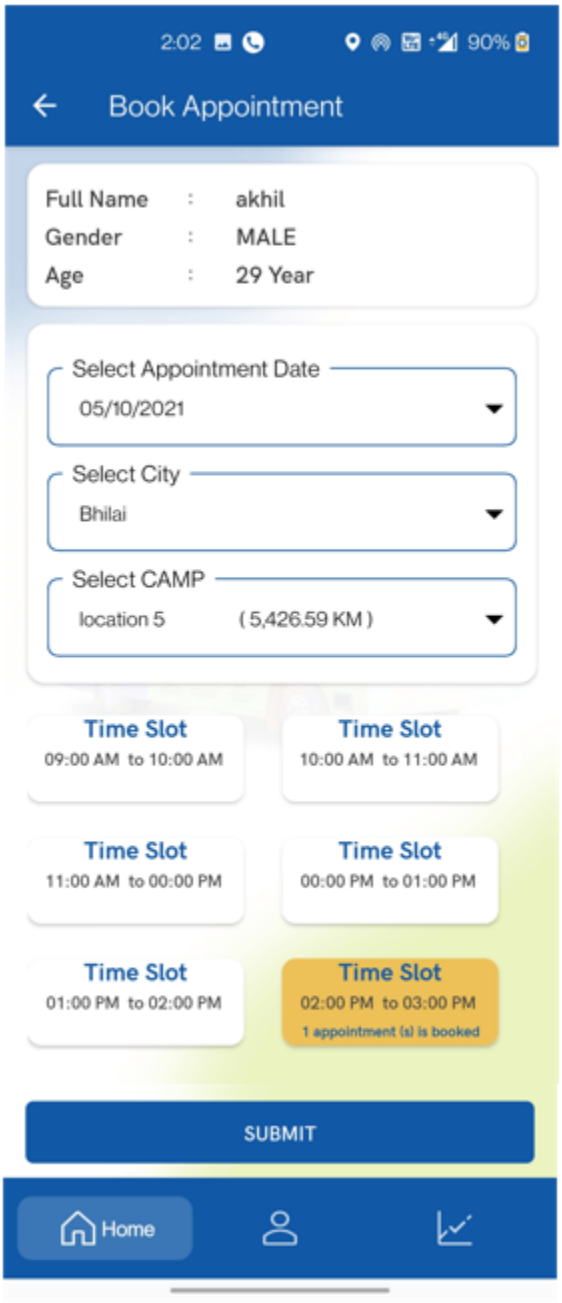
1. User tabs on the "Book appointment" image available on Dashboard
2. The system displays the list of the registered against the logged-in credentials **(Refer screenshot)**
3. User tabs on the record against which appointment needs to be booked
4. The app displays the following screen as shown below:



5. User selects the appointment date. City and camp
6. The app shows the time list as shown below based on selected values:



7. Tabs on the time slot



8. Tab on submit button to book the appointment

3.5.6 Messages

S. No.	Message	Reason	Expected Action from the user
1.	Please select any time slot	This message indicates that time slot is not selected before tabbing on the submit button	User should select the time slot

2.	No time slot available	This message indicates that time slot is not available for the selected date	User should select the another date where time slot is available
3.	Camp is not scheduled for this date	This message indicated that camp is not created against the selected date	User should select any other date

3.6 Appointment status

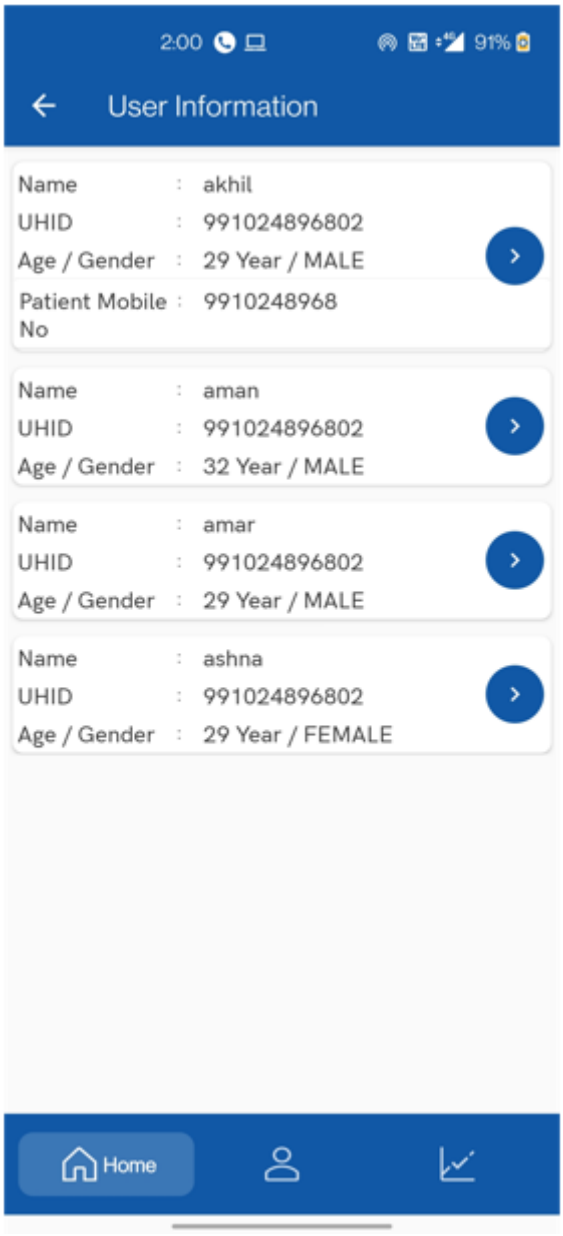
3.6.1 Description

This functionality allows the user to display the list of all appointments which has been taken by patient through mobile app only. The user can cancel or reschedule the appointment. The appointment history can be searched based on different search parameters like from date and to date.

3.6.2 Prerequisites

1. User must be logged-in into the mobile app and is having access to Appointment history screen
2. Appointment has been booked

3.6.3 Screenshot



3.6.4 Field Description

S. No	Field Name	Description
1	Name	It refers to the name of the patient whose appointment is booked
2	UHID	It refers to the UHID number of patient generate doing registration
3	Age/ Gender	It refers to the age and gender of the patient
4	Patient mobile number	It refers to the mobile number against the patient is registered
5	From date and To date	It refers to the date range within which appointment is booked

6	Appointment date	It refers to the date which has been selected while booking appointment
7	Appointment time	It refers to the time slot which has been selected while booking appointment
8	Camp location	It refers to the camp location against which appointment is booked
9	Status	It refers to the current status of the appointment.

APPOINTMENT STATUS screen contains following **BUTTONS:**

Search: This button allows the user to search the appointment history based on selected search parameter

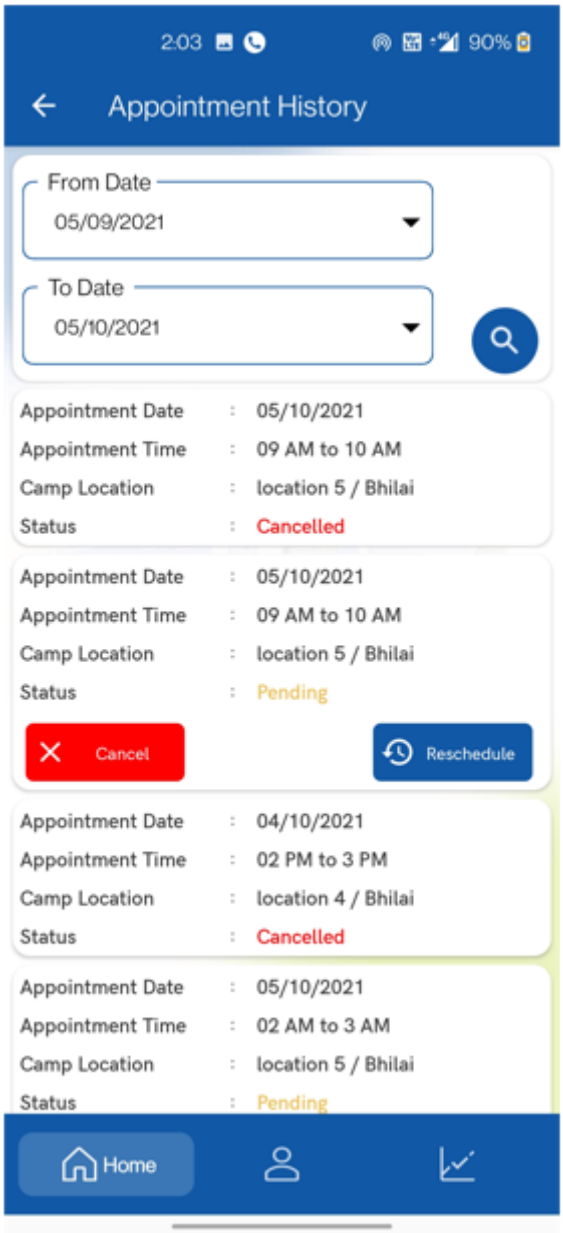
Reschedule: This button allows the user to reschedule the appointment for later date

Cancel: This button allows the user to cancel the appointment whose status is pending

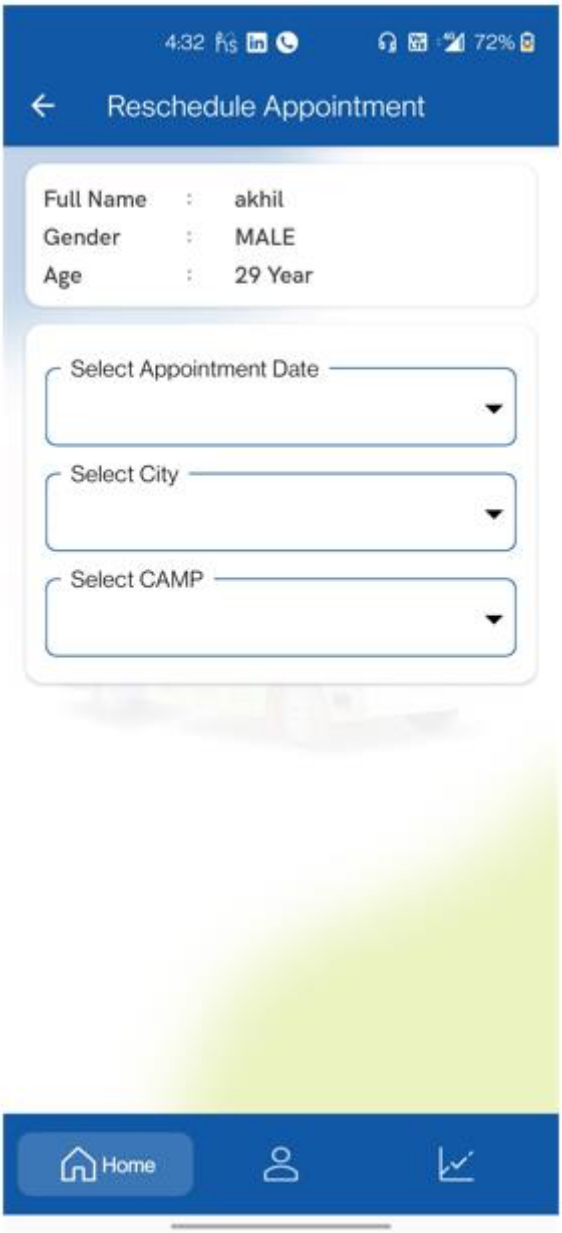
3.6.5 Flow

Steps of process flow:

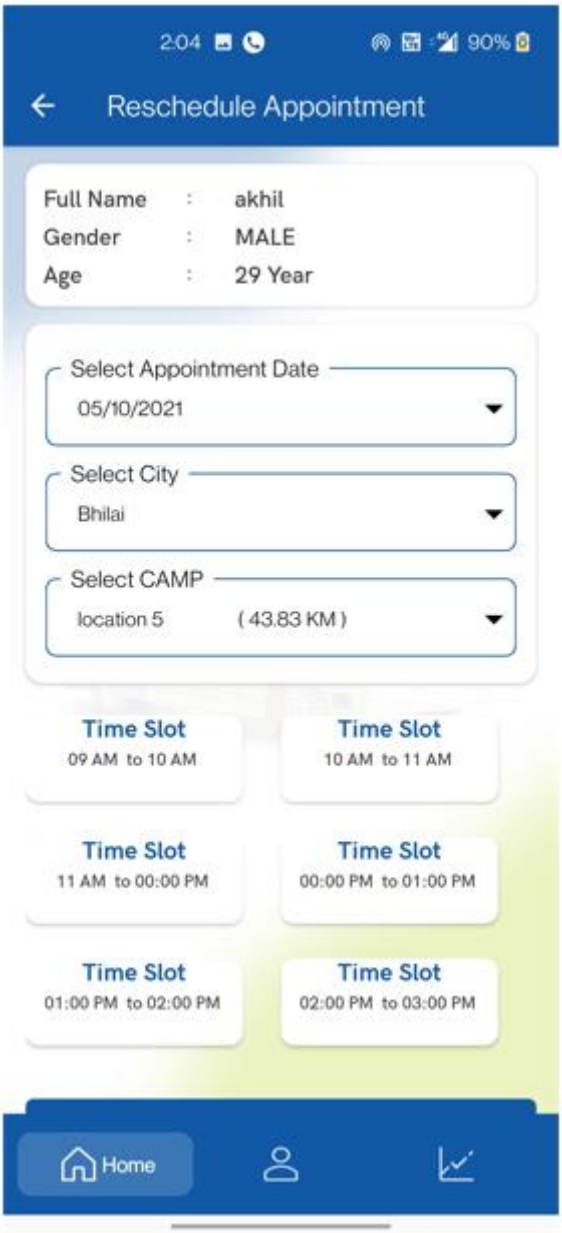
1. Tab on the "Appointment Status" displaying on dashboard
2. The system displays the list of the registered against the logged-in credentials **(Refer screenshot)**
3. User tabs on the record against which appointment details need to be viewed
4. The system displays the appointment history screen of the patient with search parameters like from date and to date as shown below:



5. User can select any of the search parameter to filter down the list of appointment history of the patient or User can directly perform any of the following actions:
   CANCEL: User tabs on Cancel button to cancel the scheduled appointment.
   RESCHEDULE:
   - User tabs on Reschedule button.
   - The system displays the following screen:



- User selects the appointment date, city and Camp
- The system displays the available timeslot



- User selects the time slot
- User tabs on Submit button to reschedule the appointment.

3.6.6 Messages

S. No.	Message	Reason	Expected Action from the user
1.	Please select From date and To date	This message indicates that user has not selected any search parameter before tabbing on Search button	User need to select the search parameter and tabs on Search button

2.	To Date cannot be earlier than the From Date	This message indicates that user has selected To date earlier than the From date	User should select the To Date later than the From date
3.	Please select any time slot	This message indicates that time slot is not selected before tabbing on the submit button	User should select the time slot
4.	No time slot available	This message indicates that time slot is not available for the selected date	User should select the another date where time slot is available
5.	Camp is not scheduled for this date	This message indicated that camp is not created against the selected date	User should select any other date

3.7 OPD History

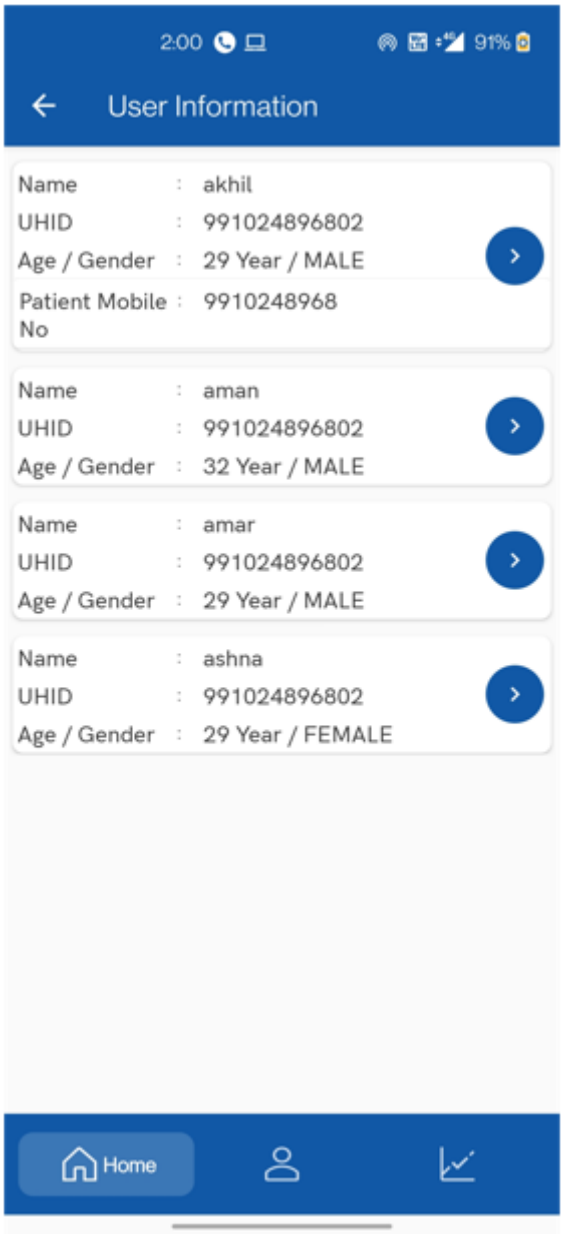
3.7.1 Description

This functionality allows the user to display the list of OPD which has been completed in the application. It displays the list of all OPD whose appointment has been taken through MMU application as well as mobile app. The user can download the case sheet, prescription and referral against the particular OPD. The OPD history can be searched based on different search parameters like from date and to date.

3.7.2 Prerequisites

1. User must be logged-in into the application and is having access to OPD history screen
2. OPD consultation is completed of the patient

3.7.3 Screenshot



3.7.4 Field Description

S. No	Field Name	Description
1	Name	It refers to the name of the patient whose OPD history needs to be viewed
2	UHID	It refers to the UHID number of patient generate doing registration
3	Age/ Gender	It refers to the age and gender of the patient
	Patient mobile number	It refers to the mobile number against the patient is registered
	From date and To date	It refers to the date range within which OPD history needs to be viewed
	Department name	It refers to the name of department where OPD is completed

	OPD date	It refers to the date when OPD is completed
	MMU name	It refers to the name of MMU or camp where OPD is completed

OPD HISTORY screen contains following **BUTTONS:**

SEARCH: This button allows the user to search the OPD history based on selected search parameter

CASE SHEET: This button allows the user to download the OPD case sheet in PDF format

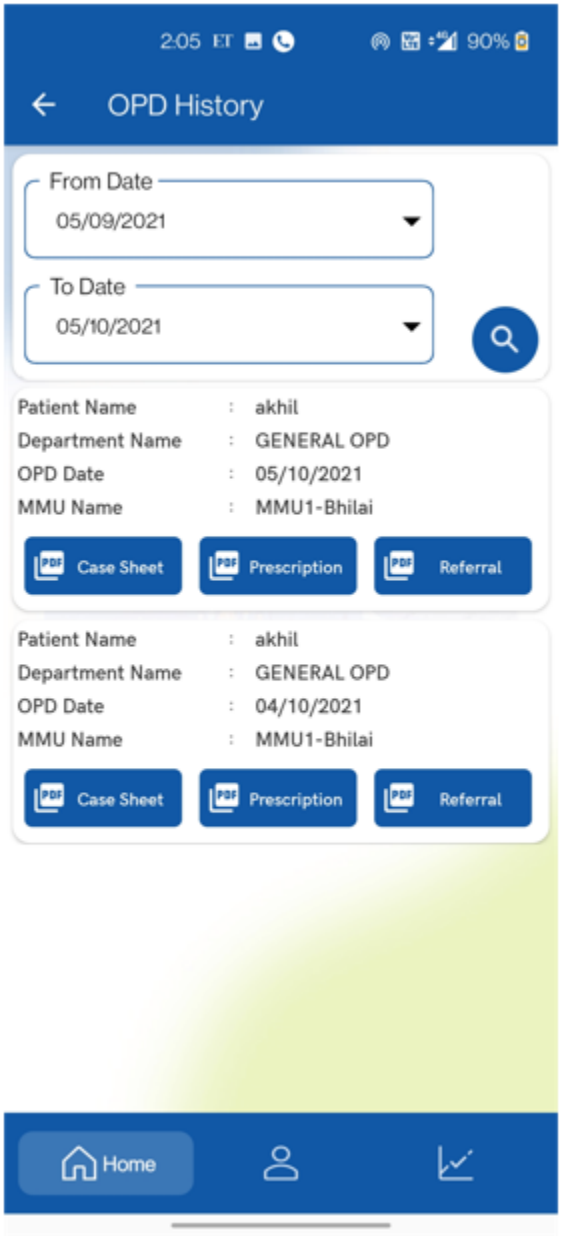
PRESCRIPTION: This button allows the user to download the prescription slip in PDF format

REFERRAL: This button allows the user to download the referral slip in PDF format

3.7.5 Flow

Steps of process flow:

1. Tab on the “OPD History” image available on dashboard
2. The app displays the list of registered patient
3. User tabs on the patient record against which the OPD history needs to be viewed
4. The system displays the OPD history screen of the patient with search parameters like from date and to date as shown below:



5. User can select any of the search parameter to filter down the list of OPD history of the patient or User can directly perform any of the following action:

   - ✓ Tabs on Case sheet button to download the OPD case sheet
   - ✓ Tabs on Prescription button to download the prescription slip
   - ✓ Tabs on Referral button to download the referral slip

3.7.6 Messages

S. No.	Message	Reason	Expected Action from the user

1.	Please select From date and To date	This message indicates that user has not selected any search parameter before tabbing on Search button	User need to select the search parameter and tabs on Search button
2.	To Date cannot be earlier than the From Date	This message indicates that user has selected To date earlier than the From date	User should select the To Date later than the From date

3.8 View camp plan

3.8.1 Description

This functionality allows the user to view the camp plan which are configured in MMU application. Camp plan includes the camp details like date and time, location, landmark, longitude and latitude as well as the google map to view the direction. The camp details are displayed based on selected date range and city.

3.8.2 Prerequisites

1. User must be logged-in into the application and is having access to Camp plan screen

3.8.3 Screenshot

3.8.4 Field Description

S. No	Field Name	Description
1	From date and To date	It refers to the date range within which the camp details need to be searched
2	City	It refers to the name of city against which camp details need to be viewed
3	Camp available on	It refers to the date when camp is available
4	Camp start time	It refers to the start time of camp
5	Camp end time	It refers to the end time of camp
6	Camp location	It refers to the location where camp is running
7	Camp landmark	It refers to the nearest landmark of the camp
8	Camp date	It refers to the date when camp is conducted
9	Camp distance	It refers to the distance of camp from patient's location

CAMP PLAN SCREEN displays the following **button:**

SEARCH: This button allows the user to search camp details against selected search parameter
GOOGLE MAP ICON: This icon allows the user to show the camp direction

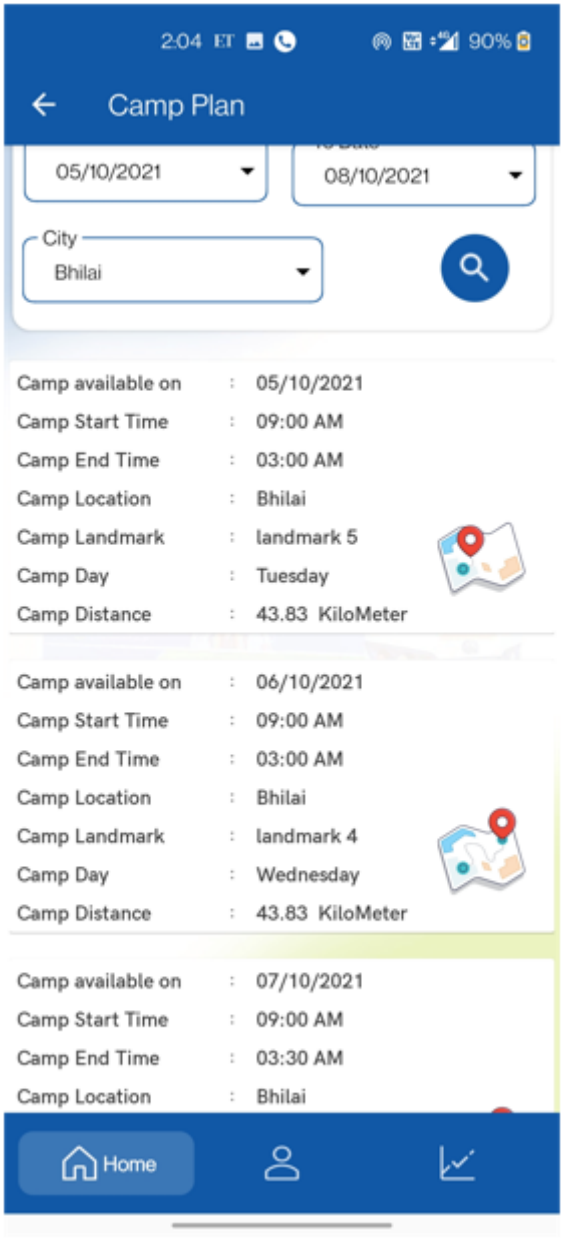
3.8.5 Flow

Steps of process flow:

1. Tab on the “Camp plan” image available on dashboard
2. The app displays the following screen:

3. User selects the search parameter and tabs on search icon

4. The system displays the camp details as follows:



5. Tabs on google map icon to view the google map for direction

3.8.6 Messages

S. No.	Message	Reason	Expected Action from the user
1.	Please select From date and To date	This message indicates that user has not selected any search parameter before tabbing on Search button	User need to select the search parameter and tabs on Search button

2.	To Date cannot be earlier than the From Date	This message indicates that user has selected To date earlier than the From date	User should select the To Date later than the From date
3.	Please select city	This message indicates that user has not selected any city before tabbing on Search button	User need to select the city and tabs on Search button

3.9 Add family member

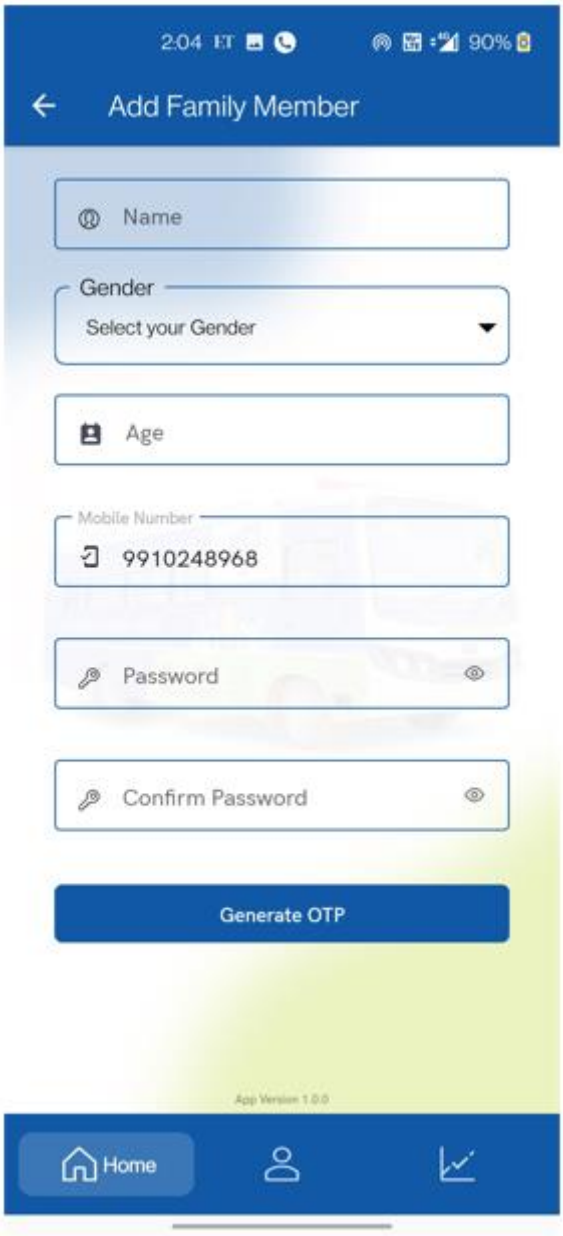
3.9.1 Description

This functionality allows the user to add family member against the logged-in' mobile number. The registration is one via OTP. Once the details of user is entered, OTP is generated. After verifying the OTP, the user is registered in the app.

3.9.2 Prerequisites

1. MMU app is installed on user mobile
2. Use should be logged-in into the app and is having access to add family member screen

3.9.3 Screenshot



3.9.4 Field Description

S. No	Field Name	Description
1	Name	It refers to the name of user who needs to be registered in app
2	Gender	It refers to the gender of the user
3	Age	It refers to the age of user
4	Patient mobile number	It refers to the mobile number of user. This mobile number is used to login into the app
5	Password	It refers to the password that should be used for login into the app
6	Confirm password	It refers to the confirm password that should be same as password.

ADD FAMILY MEMBER SCREEN form contains following **BUTTONS:**

SUBMIT: This button allows to register the family member in app.
VERIFY NOW: This button allows the user to verify the shared OTP.

3.9.5 Flow

Steps of process flow:

1. Tab on Add family member icon available on dashboard
2. The app displays the rad family member screen **(refer screenshot)**
3. Enter/ select the user details
4. Tab on Generate OTP button
5. The app displays the OTP pop-up for entering OTP
6. Enters the OTP
7. Tabs on Verify now button to register the user

3.9.6 Messages

S. No.	Message	Reason	Expected Action from the user
1.	Please enter name	This message indicates that name is not entered before tabbing on Generate OTP button	User should enter the name
2.	Please select gender	This message indicates that gender is not selected before tabbing on Generate OTP button	User should select the gender
3.	Please enter age	This message indicates that age is not entered before tabbing on Generate OTP button	User should enter the age
4.	Please enter patient mobile number	This message indicates that patient mobile number is not entered before tabbing on Generate OTP button	User should enter the patient mobile number
5.	Please enter password	This message indicates that password is not entered before tabbing on Generate OTP button	User should enter the password
6.	Please enter confirm password	This message indicates that confirm password is not entered before tabbing on	User should enter the confirm password

		Generate OTP button	
7.	Confirm password should be same as password	This message indicates that confirm password is not same as password	User should enter the valid confirm password

3.10 Login

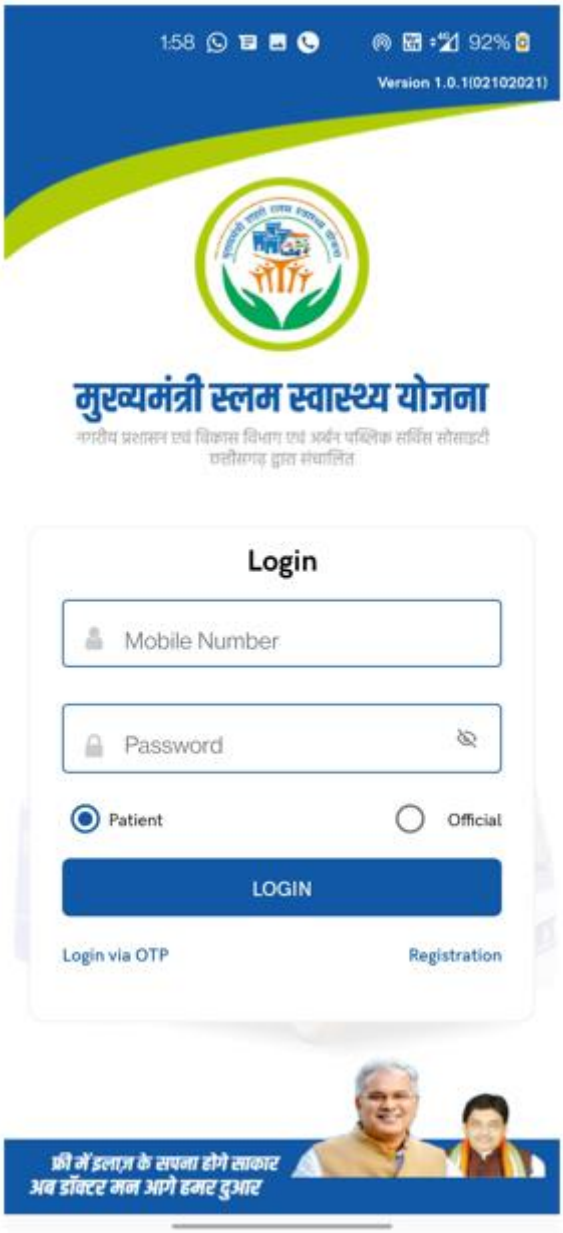
3.10.1 Description

This functionality allows the user to login into the mobile app and access the various functionality assigned to him/ her. User can login into the app via two methods: via password and via OTP. Password should be the same which has been entered while registration. After login into the app, the user can access the functionality based on assigned role.

3.10.2 Prerequisites

4. Mobile app must be installed on the user's mobile
5. User must have valid user credentials
6. Internet connection should be active

3.10.3 Screenshot



3.10.4 Field Description

S. No	Field Name	Description
1	Mobile number	It refers to the username of the user for accessing the mobile app.
2	Password	It refers to the password of the user for accessing the mobile app.
3	Patient or Official	It defines whether the user is logged in as Patient of official
4	OTP	It refers to the OTP sent to user for login when tabs on login via OTP link

LOGIN SCREEN contains following **BUTTON:**

Login: It allows the user to login into the mobile app after entering valid user credentials.

3.10.5 Flow

Steps of process flow:

CASE-1 ("LOGIN VIA PASSWORD)

4. Tabs on MMUs icon on mobile
5. Enters the mobile number and password
6. Tabs on Login button to login into the mobile app

CASE-2("LOGIN VIA OTP")

6. Tabs on MMUs icon on mobile
7. Enters the mobile number
8. Tabs on Login via OTP link
9. Enters the OTP in pop-up
10. Tabs on Verify now button to login into the mobile app

3.10.6 Messages

S. No.	Message	Reason	Expected Action from the user
1.	Please enter mobile number	This message indicates that mobile number has not been entered before tabbing on Login button	User should enter mobile number
2.	Please enter password	This message indicates that password has not been entered before tabbing on Login button	User should enter password
3.	Please enter password	This message indicates that password has not been entered before tabbing on Login button	User should enter password
4.	Incorrect user credentials	This message indicates that the entered user credentials are not correct	User should enter valid user credentials
5.	Incorrect OTP	This message indicates that the entered OTP is not correct	User should enter valid OTP

3.11 Logout

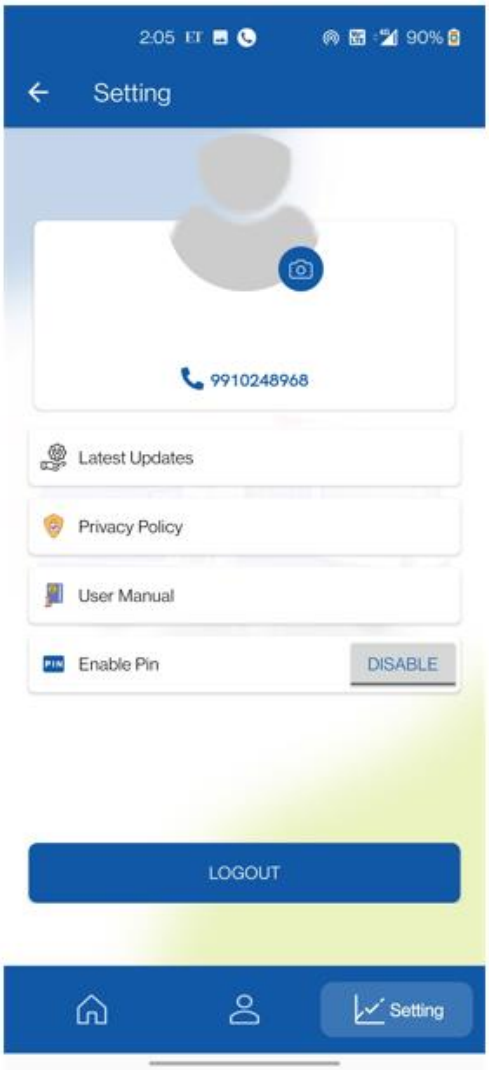
3.11.1 Description

This functionality allows the user to logout from the application. The user can logout from the application either by the session time is over or logout button is clicked.

3.11.2 Prerequisites

1. User must be logged in into the application
2. Internet connection should be active

3.11.3 Screenshot



3.11.4 Field Description

N/A

3.11.5 Flow

Steps of process flow:

1. Tabs on Setting icon showing at the bottom in mobile app **(Refer screenshot)**
2. Tabs on Logout button to logout from the app

3.11.6 Messages

N/A