USER MANUAL

Dentepic
Mobile Application

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1.0 General Information

The General Information section explains in general terms the Dentepic application overview and the sections of the user manual.

1.1 Application Overview

"*Dentepic* " is an innovative app developed collaboratively by students and teachers from Dr. D.Y. Patil Institute of Technology, Pimpri, in collaboration with DPU Dental College.

It modernizes traditional dental checkups, enabling doctors to conduct diagnoses and generate reports digitally during medical camps in schools and various locations. The app ensures secure access for authenticated users, with admins managing patient records and overseeing data.

1.2 Organization of the Manual

The user manual consists of the following four sections

1. General information
2. How to download the application
3. Admin Login
4. Doctor Login
5. Report Generation

General Information: Dentepic modernizes dental checkups, allowing digital diagnoses and report generation during medical camps.

How to Download the Application: Download the Dentepic app by installing the .apk file provided by the development team.

Admin Login: Admins can securely log in to manage patient records and oversee data.

Doctor Login: Authenticated doctors can log in to diagnose patients and access their medical history.

Report Generation: Doctors can generate and save detailed patient reports directly through the app.
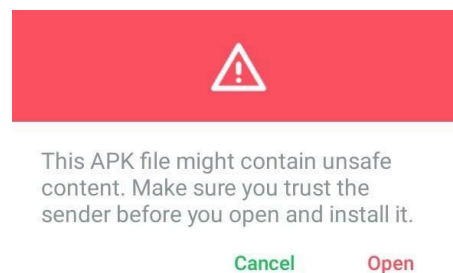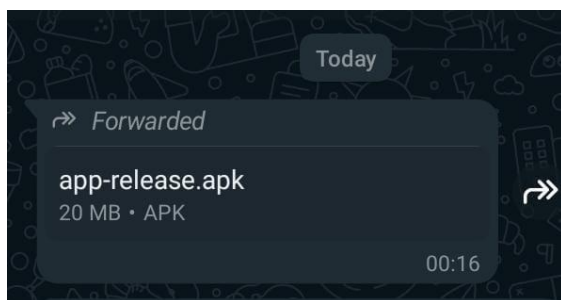
2.0 How to download the application

Dentepic application can be downloaded through the following way

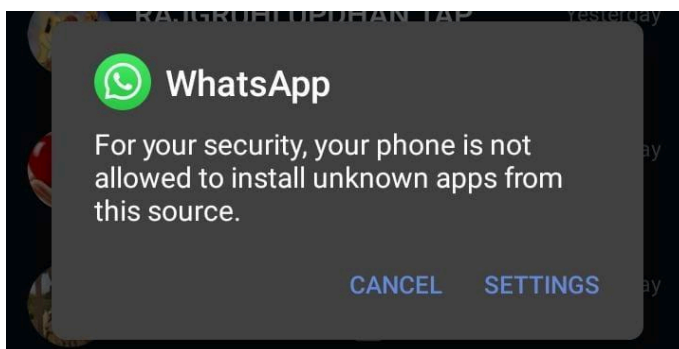e-CHARAK application can be downloaded through the following ways

◻ APK File

2.1 Download apk file

Open the App-release.apk file location provided by the development team.
Click On the file .
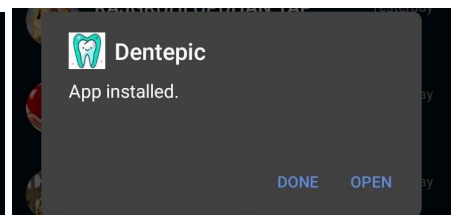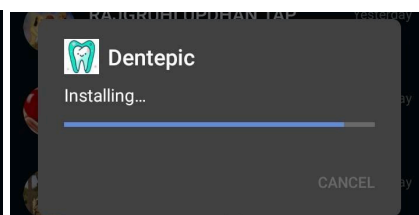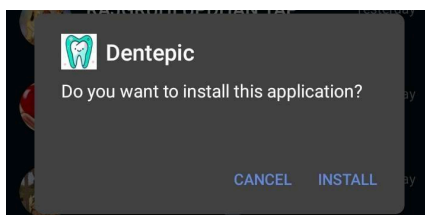It will ask you whether to open it or cancel , so click on open.

2.2 Set up the app.

Scan the app and grant security permission by allowing it from settings.

Click on install app .
After clicking on install app it will be getting installed then click on done .
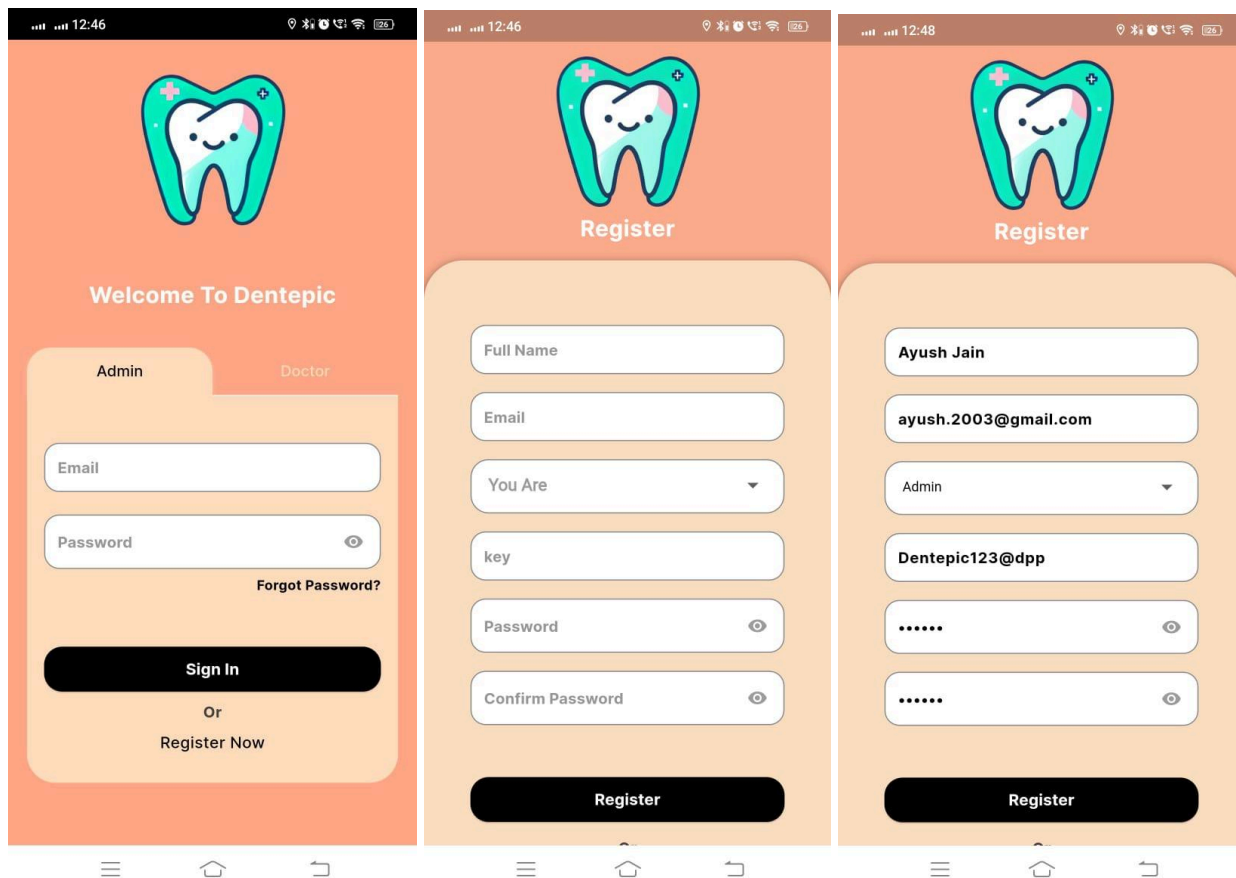
3.0 Admin Login

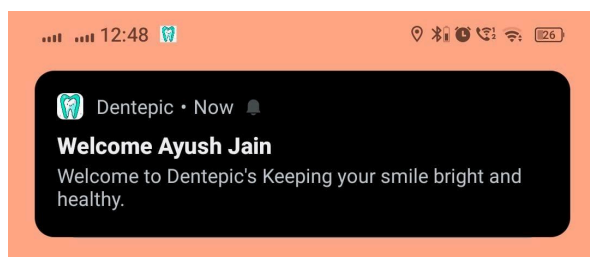Now we will see login procedure for admin panel and admin privileges

First we will open our app , after opening we can see two options for login as doctor and admin. And also register for new users , so first we will register into the app .

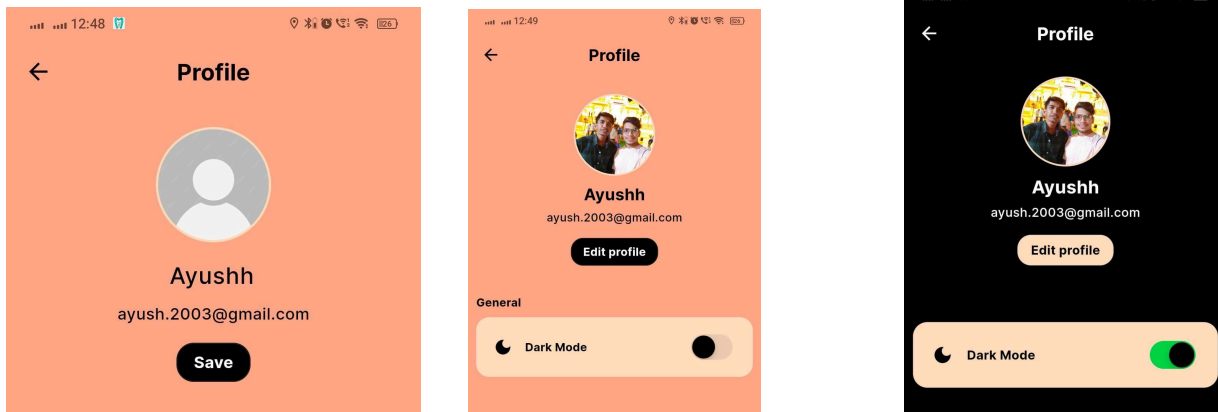We will register as admin and fill out the required details .

3.1 Home Page

Now you can see notification that you have logged in successfully and welcome to our app
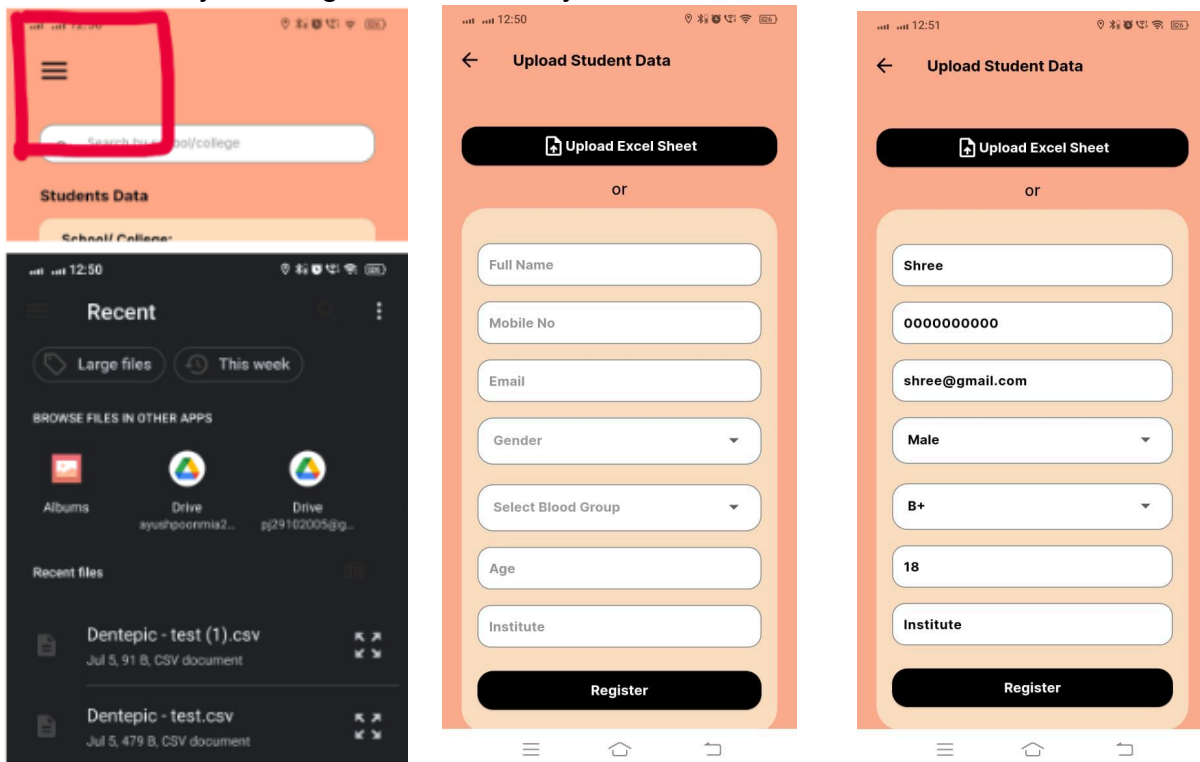
3.2 Profile

Now we can see our profile in the app and make changes accordingly. Also we can add a profile photo.

Also we have a dark mode option in our app so you can switch modes into the profile section.
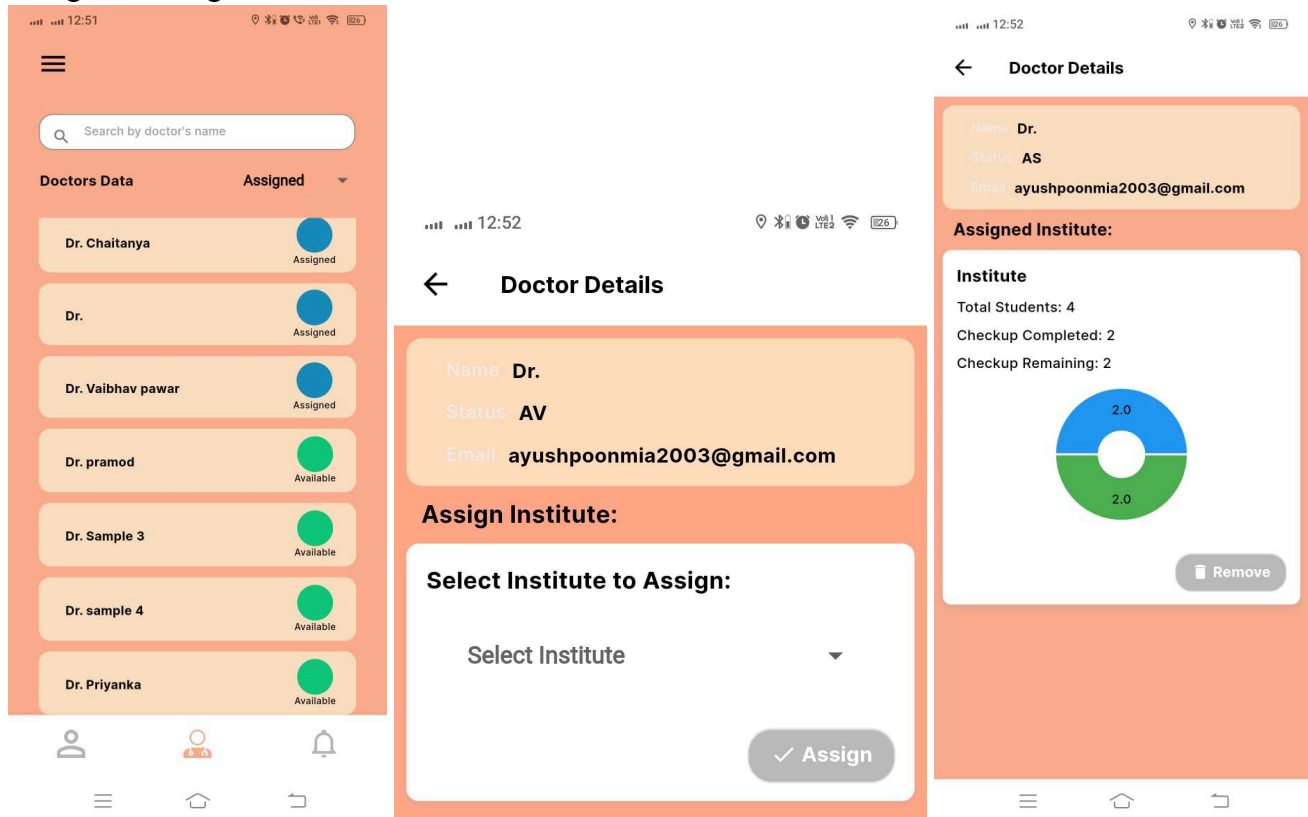
3.3 Upload Data

Click on three lines on the upper left corner and a slider will open.
On that frame click on upload data and you can see two options to upload data either by excel or csv sheet or by entering details manually .
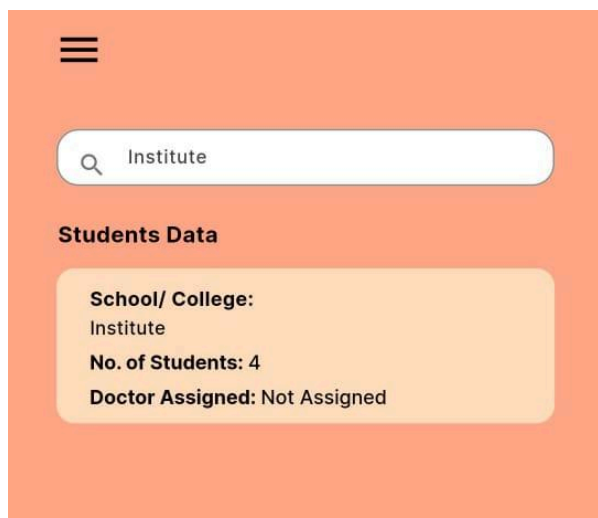
3.4 Assign Doctor

In the assign doctor page from available doctors admin can select the doctor and select appropriate college and assign it to the doctor.
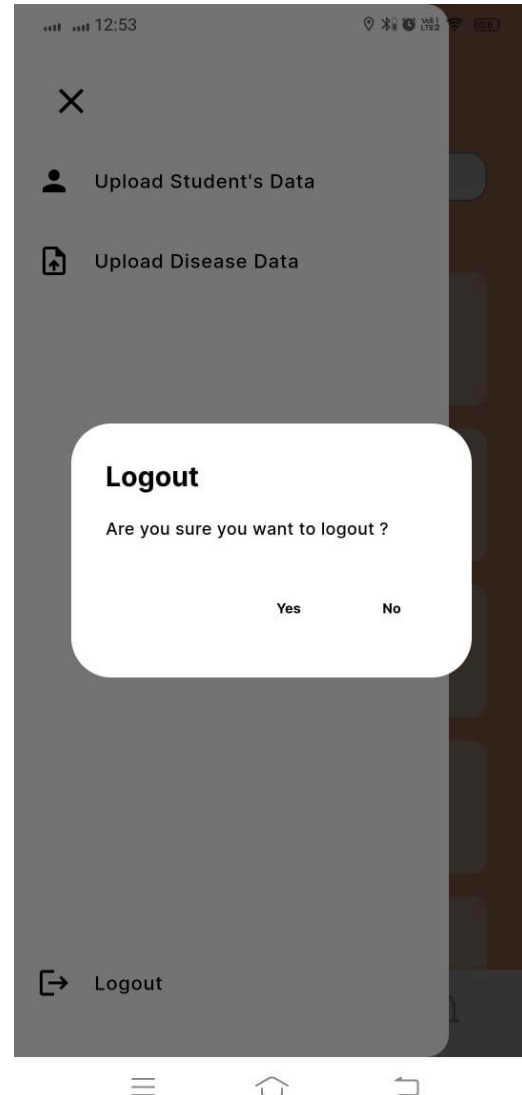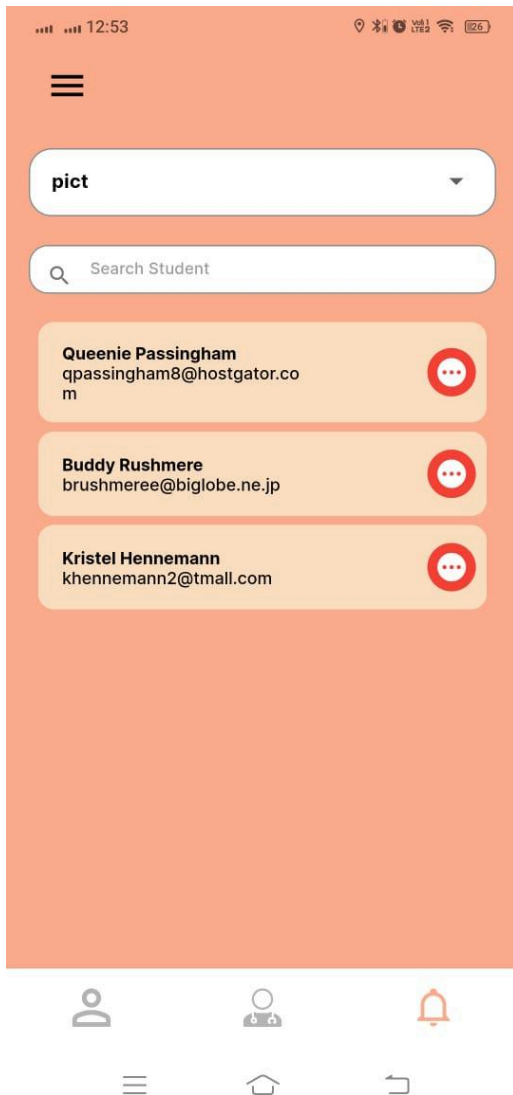

Also the admin can see an analytical pie chart on how many patients are covered by the doctor.

One more feature is admin can search institution doctors and patients by name and id via search bar.
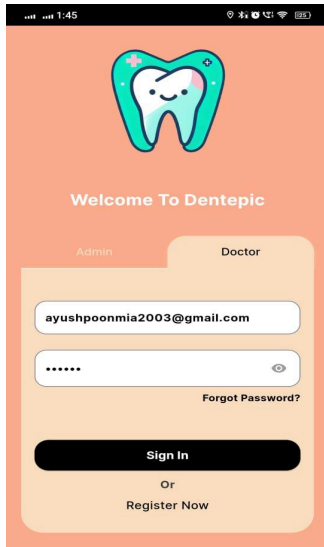
3.5 PDF Viewer

Admin can view pdf by selecting institute and then all patients which are diagnosed by doctor has got a report saved at admin, admin can open it view it and sent it to parent or organization.

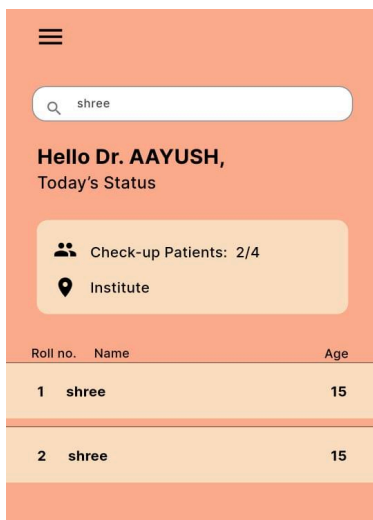Lastly, the admin has the option for logout onto the app.

4.0 Doctor Login

Similarly as Admin login doctor also has two options either to sign up or just log in .
Doctor has to put his credentials to log in .
After the doctor log into account the home page is visible to him/her.

4.1 Home Page

On the home page the doctor can see the number of patients, click
on patient data to start diagnosis on them and also in the search
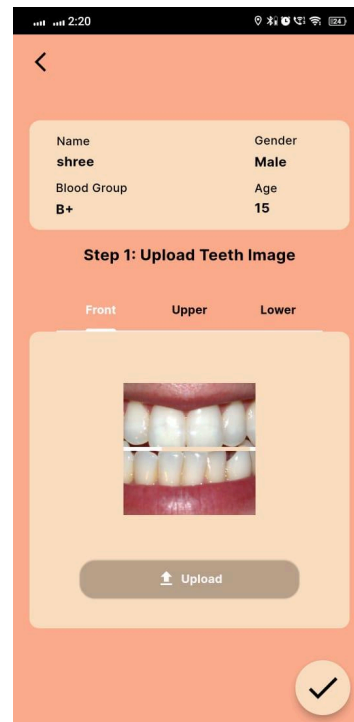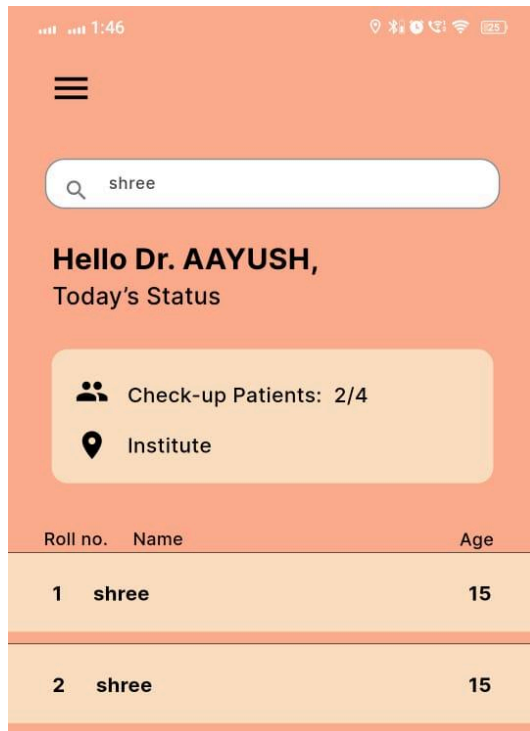bar can search the patient by name .

4.2 Profile
Profile section is same as admin profile sector images can be added and dark mode can be
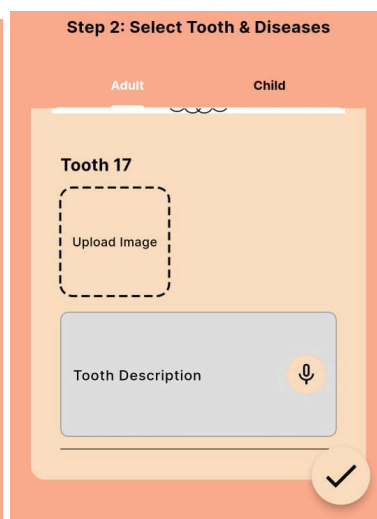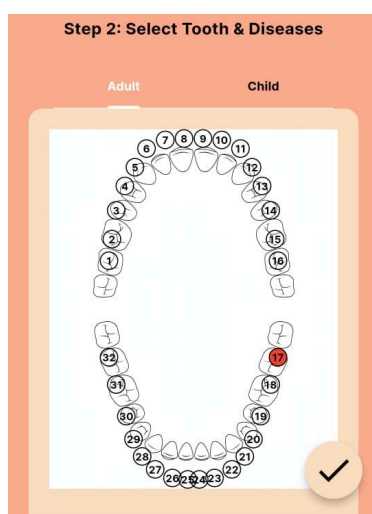applied

5.0 Report Generation

5.1 Upload Teeth Images

Upload the teeth images all three i.e upper , lower and front .

5.2 Diagnosis Of single tooth

After uploading teeth images from a selected teeth set, select the tooth which is infected and upload a separate image for that tooth mentioning tentative disease with tooth id by voice , by clicking on the mic button. A separate color is obtained on every tooth selection.
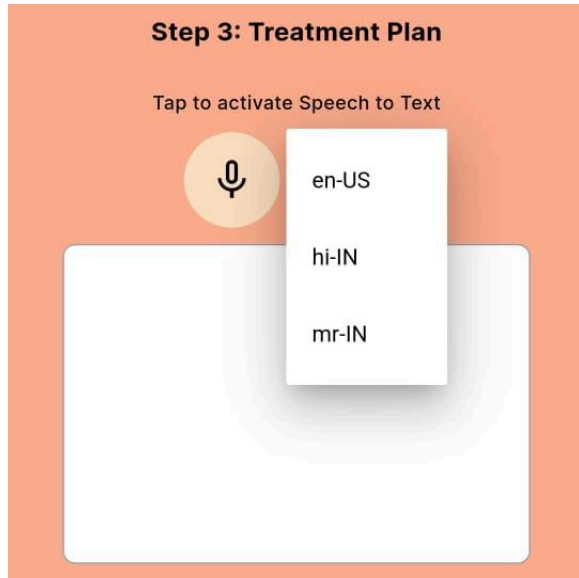
5.3 Treatment Plan

By using voice assistants in 3 languages hindi , marathi and english you can choose your preferred language and give a treatment plan to the disease .
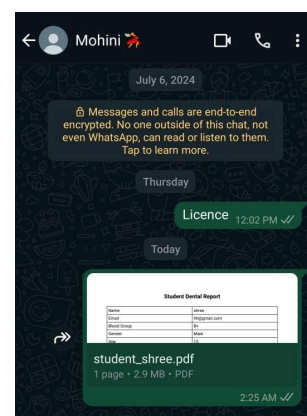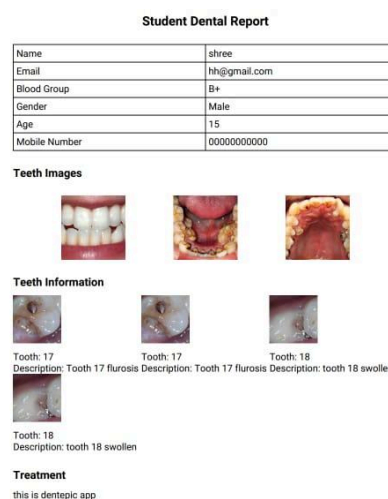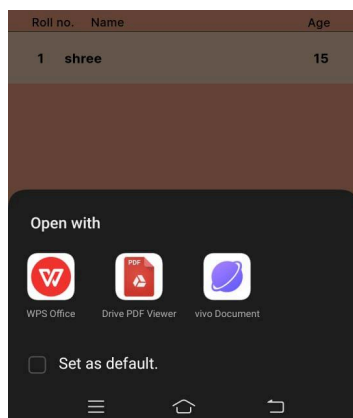
5.4 Review Report

After that a report is generated , review that report and click on the submit button.

5.5 Generate PDF and send to parents

After clicking on submit button the report is generated in pdf formaat and can be shareable to parents of patient/student.

Dr. D. Y. Patil Unitech Society's

DR. D. Y. PATIL INSTITUTE OF TECHNOLOGY
(formerly Dr. D. Y. Patil Institute of Engineering and Technology)
Main Campus, Sant Tukaram Nagar, Pimpri, Pune.

6.0 Summary

Dentepic is an innovative mobile application developed collaboratively by students and teachers from Dr. D.Y. Patil Institute of Technology, Pimpri, and DPU Dental College. It modernizes traditional dental checkups, allowing doctors to diagnose patients and generate reports digitally during medical camps. To download the app, users can install the provided .apk file and follow the setup instructions. Admins can securely log in to manage patient records, upload data, assign doctors, and view PDF reports. Doctors can log in to diagnose patients, upload teeth images, generate treatment plans, and share reports with parents.