

## MEDPREDIT COMMERCIAL APPLICATION – OVERVIEW

### Introduction

The MedPredit commercial application aims to enhance and expand the features and modules of our existing application. The objective is to develop and launch a new version while utilizing the current data and functionalities.

The existing application includes features such as doctor and hospital onboarding, as well as the onboarding of doctor's assistants with appropriate mapping to doctors and hospitals. Additionally, it facilitates patient onboarding by capturing essential details, including basic information (first name, last name, age, gender) and communication details. Furthermore, doctors and assistants can record a patient's health condition across various categories, including physical activity, stress, tobacco usage, alcohol consumption, dietary habits, BMI, and sleep patterns.

Based on the recorded data, the user's health condition can be evaluated, and the results can be incorporated in real-time. Our existing application enables users to input and monitor their health status every 14 days. However, the 14-day assessment interval is not mandatory for all users.

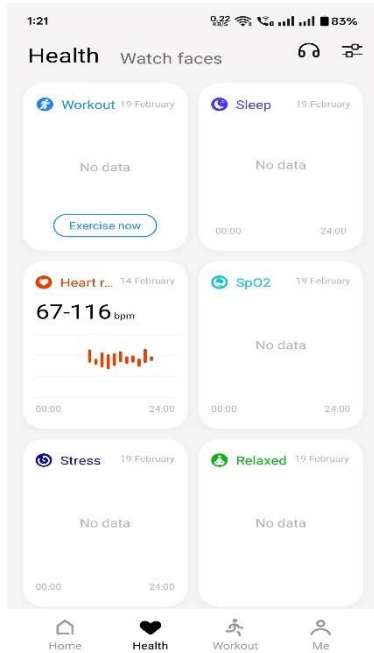
### Overview

Our existing application enables doctors and assistants to assess a user's health. However, in the enhanced version of MedPredit, users will have the ability to self-audit and enter their health conditions based on a structured set of questions within the application. This allows users to onboard themselves through a sign-up process.

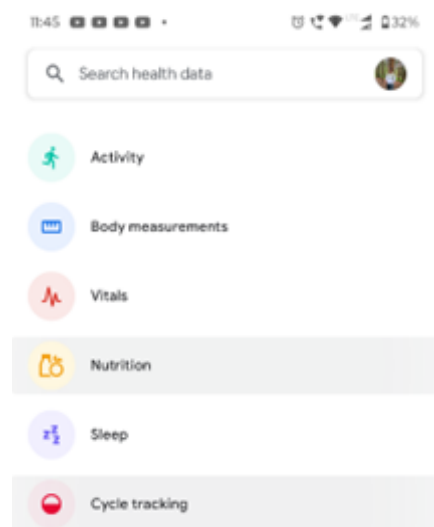
At the end of each module assessment, we can implement the following enhancements to elevate the application's functionality:

- **Health Condition Analysis:**
  - The application will determine the user's health status based on their responses. For instance, if a user completes an alcohol assessment, the results will categorize them into a specific stage (e.g., Stage 1, 2, or 3). Based on their location (provided during onboarding), the system can recommend specialized doctors with relevant expertise in alcohol-related health concerns.
- **Appointment Booking Integration:**
  - To enhance user experience, we can introduce an appointment booking feature, allowing users to connect with doctors. This functionality will enable seamless communication between users and doctors or administrators managing doctor accounts.
- **Integration of Smartwatch**
  - **Smartwatch Synchronization:** If a smartwatch is integrated or synced with Google Fit, our API can retrieve the user's real-time health data with their permission. This includes key metrics such as heart rate, oxygen levels, body temperature, sleep patterns, and workout activities.
  - **Existing Data Collection:** Our current application already captures vital health parameters, including pulse, temperature, pulse rate, blood pressure, and respiratory rate.
  - **Health Status Prediction:** By leveraging the existing data and smartwatch integration, we can enhance our predictive capabilities to provide users with real-time insights into their current health status.
  - **Health Analysis:** With this integration, we can collect multiple health data records over time. This data can be utilized to generate statistical insights, which can be displayed on

the home page as an overview of the user's health trends and progress. This feature will enhance user engagement by providing real-time health insights and personalized recommendations.

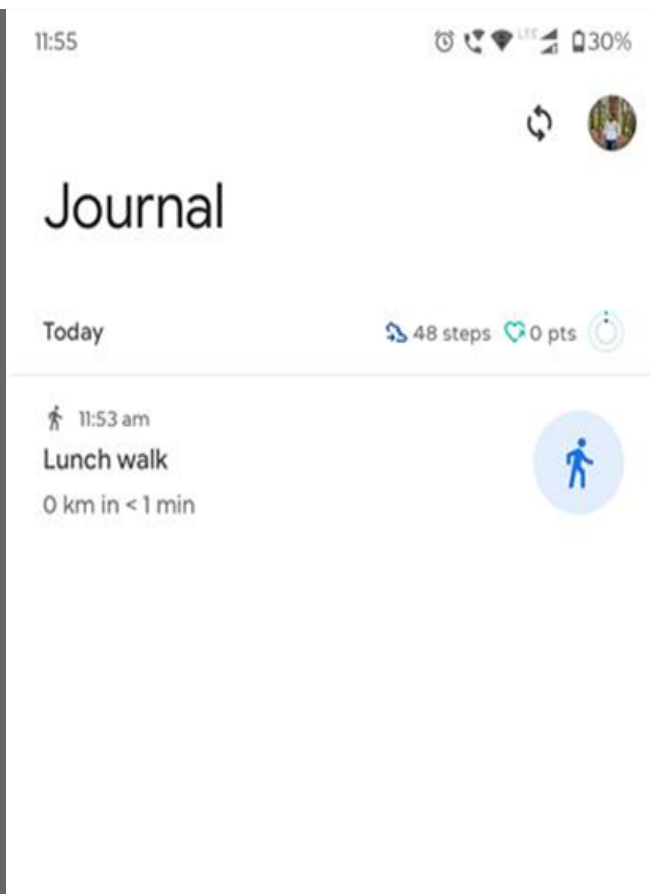
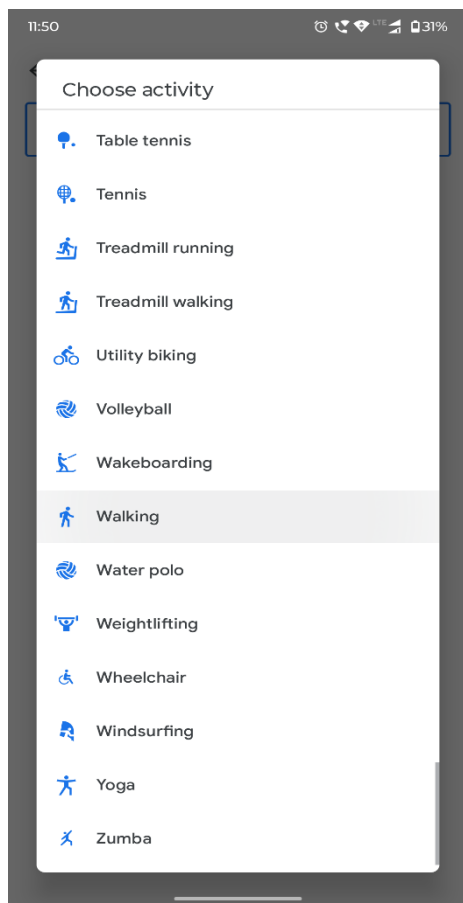


Realme link – analysis with smart watch



Google Fit

## Google Activity analysis



This integration will be highly beneficial for both users and our system, enabling proactive health monitoring. By analysing real-time data from smartwatches, we can assess a user's health condition in advance, allowing for early detection and prevention of potential health issues.

## Hospital Onboarding

Including a hospital onboarding feature will allow us to showcase each hospital's specialties, along with details about doctors' experience and areas of expertise. This will be particularly beneficial for tourists or individuals visiting a new location who require medical attention but may not be familiar with the local healthcare facilities.

Our application will centralize all these functionalities, enabling users to filter hospitals and doctors based on hospital specialties and doctors' experience. Additionally, we can provide personalized recommendations by suggesting doctors and hospitals near the user's location that best match their medical needs.

## Personalized Doctor and Hospital Recommendations

After a user completes an assessment, we can provide tailored recommendations for doctors and hospitals based on the results.

For example, if a user takes a stress assessment and is identified as experiencing high stress, the system can suggest nearby psychiatrists. Alternatively, we can facilitate paid or unpaid consultations with experts, allowing users to receive professional advice (either audio or video call).

User feedback from these consultations will be invaluable in refining our recommendation system. Genuine reviews will help improve the credibility of our suggestions and motivate healthcare professionals to provide dedicated and high-quality services.

## Reference Application:

Find the experts - near location.

The mockup displays a mobile application interface for finding healthcare experts. It is divided into three main sections: a left sidebar for location selection, a central results area, and a right sidebar for consultation details.

**Left Sidebar:** Features a search bar "Enter your city or locality" and a "Search your location here" input. Below are buttons for "Use current location" and "Recent Search" (with a "CLEAR" link). A list of locations is shown, including Salem, Karuppur, Hasthampatti, Meyyanur, Alagapuram, Atur, Salem Second Agraharam, Salem North, and Salem Steel Plant.

**Central Results Area:** Titled "Find Your Health Concern" with a location filter set to "Salem". It includes a search bar for "Heart Specialist" and filters for "In-Clinic Appointment" and "Video Consultation". A "Connect Instantly!" button is present. Below are filters for "Now or Later", "Video Consult", "PLUS", and "Sort". The results section, titled "Results offering Prime benefits", lists two doctors:

- Dr. Bharathithasan:** Cardiologist, 23 years experience overall, 1 Patient Story. Located at Karuppur • Manipal Hospital, ~ ₹ 450 Consultation Fees. Next available at 02:00 PM, tomorrow. Buttons: "Contact Hospital", "Book Clinic Visit".
- Dr. Syed Abdul Khadar K:** Cardiologist, 21 years experience overall. Located at Karuppur • Manipal Hospital, ~ ₹ 450 Consultation Fees. Next available at 10:00 AM, tomorrow. Buttons: "Contact Hospital", "Book Clinic Visit".

**Right Sidebar:** Titled "Clinic Visit Slots" for Dr. Bharathithasan at Manipal Hospital, Karuppur. It shows the "Purpose of visit Consultation" and a table of availability:

Today, 20 Feb	Tomorrow, 21 Feb	Sat, 22 Feb
No slots available	2 slots available	2 slots available

Below the table, it shows "Today, 20 Feb" with "No slots available" and a button "Next availability on Fri, 21 Feb". An "OR" separator is followed by a "Contact Clinic" button.

## Reference screenshot for consultant:

12:18 Summary WE WILL ASSIGN YOU A TOP DOCTOR FROM BELOW View our doctors currently online

Dr. Haripriya Addanki General Physician 5 years experience 9429 consultations

Dr. Amit K General Phy 7 years experi 2119 consu

Choose your preferred language We will try to find doctors who can speak the language.

English हिंदी मराठी తెలుగు

Single online consultation ₹ 424.15 Chat, audio, video consultation and free 7 day follow-up

You will also get a FREE follow-up for 7 days with every consultation

Covers 15 consultations across all specialties for 1 month ₹3000 ₹1199 per month Save ₹1800

- 24/7 access to doctors, till your health concerns are resolved
- Online consultations for the entire family, across all 22 specialties
- Experience clinic-like consultations via video call

Pay Using More Payment Options >

₹424.15 | Pay & Consult

12:16 Your details DONE

Basic Details

Myself

Male

22

gurubalajie18@gmail.com

Optional additional details

Home Maker

60

5' 11"

Medical details

Are you under any medication? ☒ ☐

Do you have any previously diagnosed conditions? ☒ ☐

Do you have any allergies? ☒ ☐

Skin

12:27 Salem

Search for medicines

Free expert answers to your health questions

Asked for Male, 35 Years, Mysore 1d ago

Left side pain near pelvic

I am getting Left side pain near pelvic area early in the morning when i wake up.

This pain gradually decreases after 2-3 Hours and again next day morning its back again....

6 answers from doctors

Ask a Free Question

## Digital Prescription and Medication Alerts

After completing a consultation with a doctor or expert, users can be prompted to upload their prescriptions. Additionally, we can introduce a built-in prescription management feature that allows users to store and access their medical records digitally.

This eliminates the need to carry physical documents, enabling users to visit multiple hospitals with their medical history readily available. Doctors can efficiently review past records without going through extensive paperwork, as the system allows for easy filtering and retrieval of relevant information.

Furthermore, based on the prescription details, the application can provide medication reminders to ensure users take their medicines on time. With smartwatch integration, real-time health analysis can further enhance this feature by detecting stress levels or health fluctuations, prompting timely medication alerts when necessary.