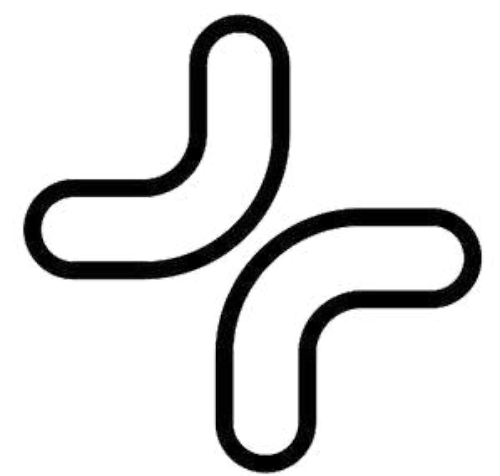




JOHNS HOPKINS  
WHITING SCHOOL  
of ENGINEERING



WWW.GOATECHSUPPORT.COM/APP/MEDISYNC



# MEDISYNC

Presented by  
Team - Goa Tech Support

VIT BHOPAL HEALTH HACKATHON - 2025



YOU CAN  
SCAN AND INSTALL!





# PROBLEMS WE SOLVE!



●○○

## PROBLEM 1

Lack of accessible, real-time health monitoring tools.

●○○

## PROBLEM 2

Limited personalized health advice for users.

●○○

## PROBLEM 3

No centralized platform for emergency response, health tracking, and medical records.

●○○

## PROBLEM 4

More chronic diseases and hospital returns due to poor preventive care.



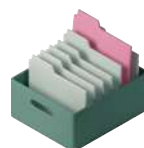
## **SOS BUTTON**

Instant emergency response.



## **AI CHATBOT**

Advanced symptom analysis and personalized advice.



## **FILES SECTION**

Secure storage for prescriptions and medical records.



## **NEARBY HOSPITALS**

Real-time navigation and hospital information.



## **HEALTH MONITORING**

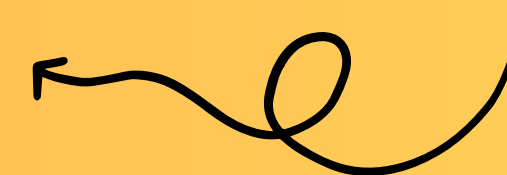
Track sleep, calories, BMI, and more.

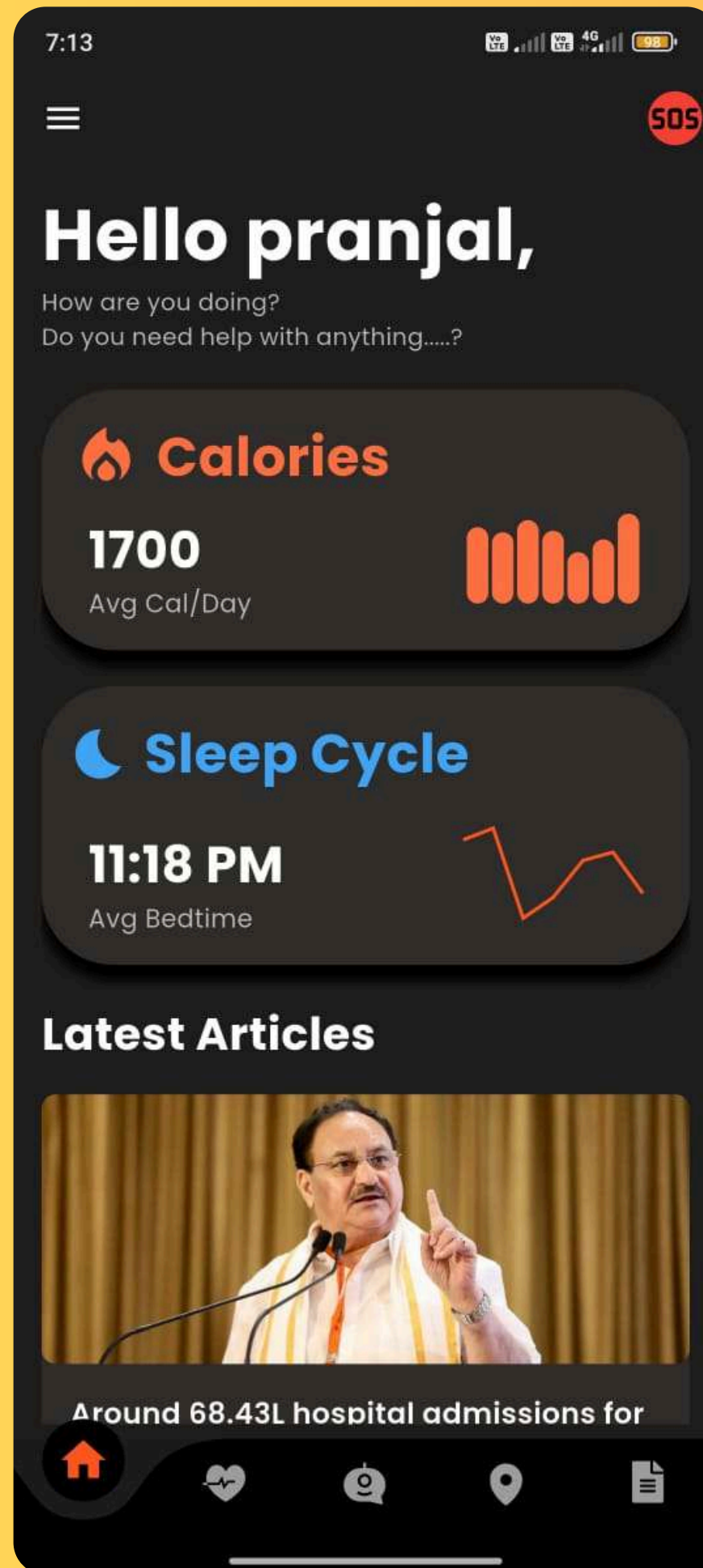


# **OUR SOLUTION**

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Provides a holistic health management platform for users worldwide.





...

### CALORIE TRACKING WIDGET

Calorie intake bar chart of last 7 days and average Cal/day

...

### SLEEP CYCLE WIDGET

Sleeping time graph of last 7 days and average sleeping time

...

### LATEST HEALTH ARTICLES

This section displays some of the trending health-related articles.





## RADIUS SLIDER

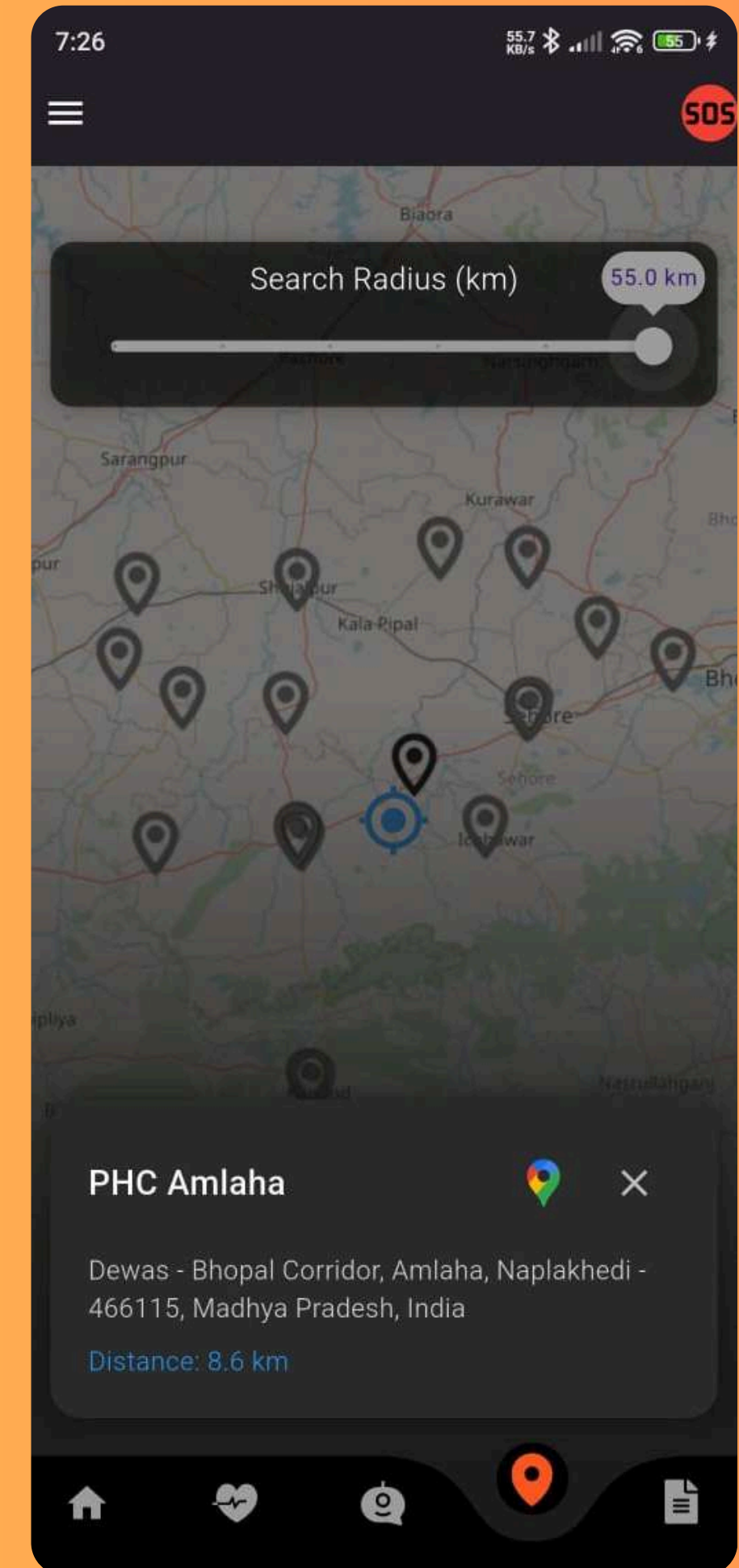
You can slide and set the range for searching nearby hospitals based on the slider range

## MAP

It shows markers for all hospitals in the set range and if you click on any one of them

## MARKER ON MAP

It shows you all details of that hospital with a button which redirects to the google maps page which shows you the path from your location to that hospital.



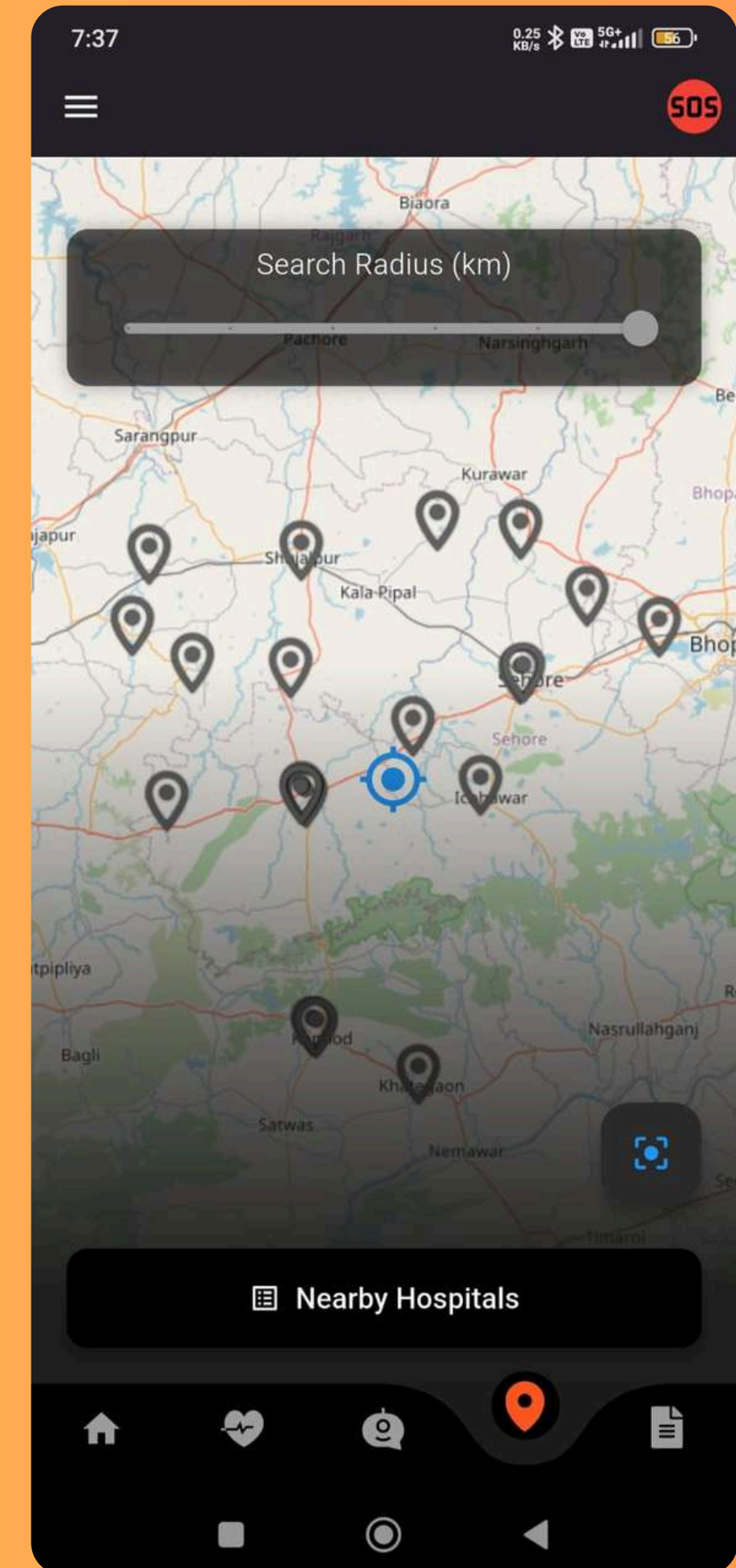


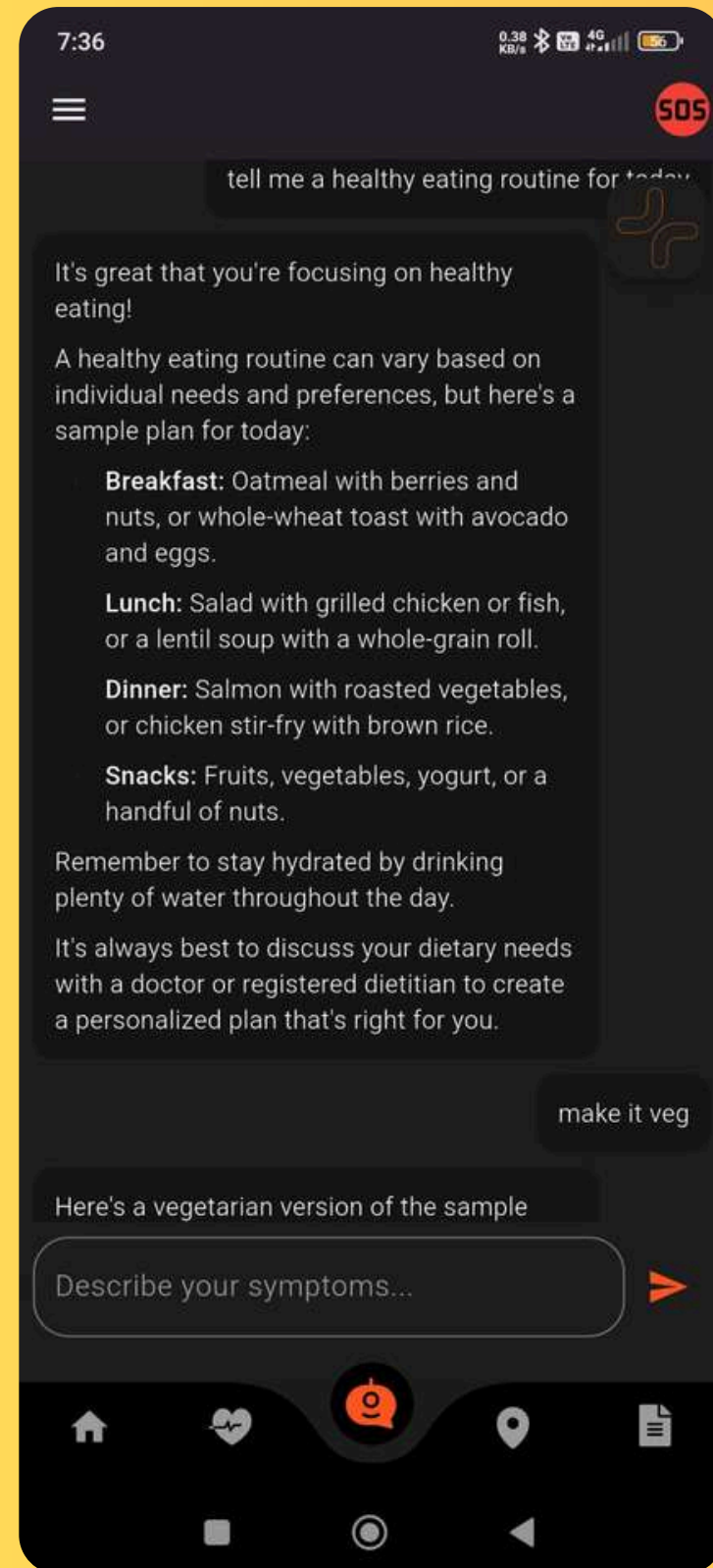
## **RECENTER**

It centers the map based on your location

## **NEARBY HOSPITALS BUTTON**

This button shows you all the nearby hospitals with their details same as clicking on their markers



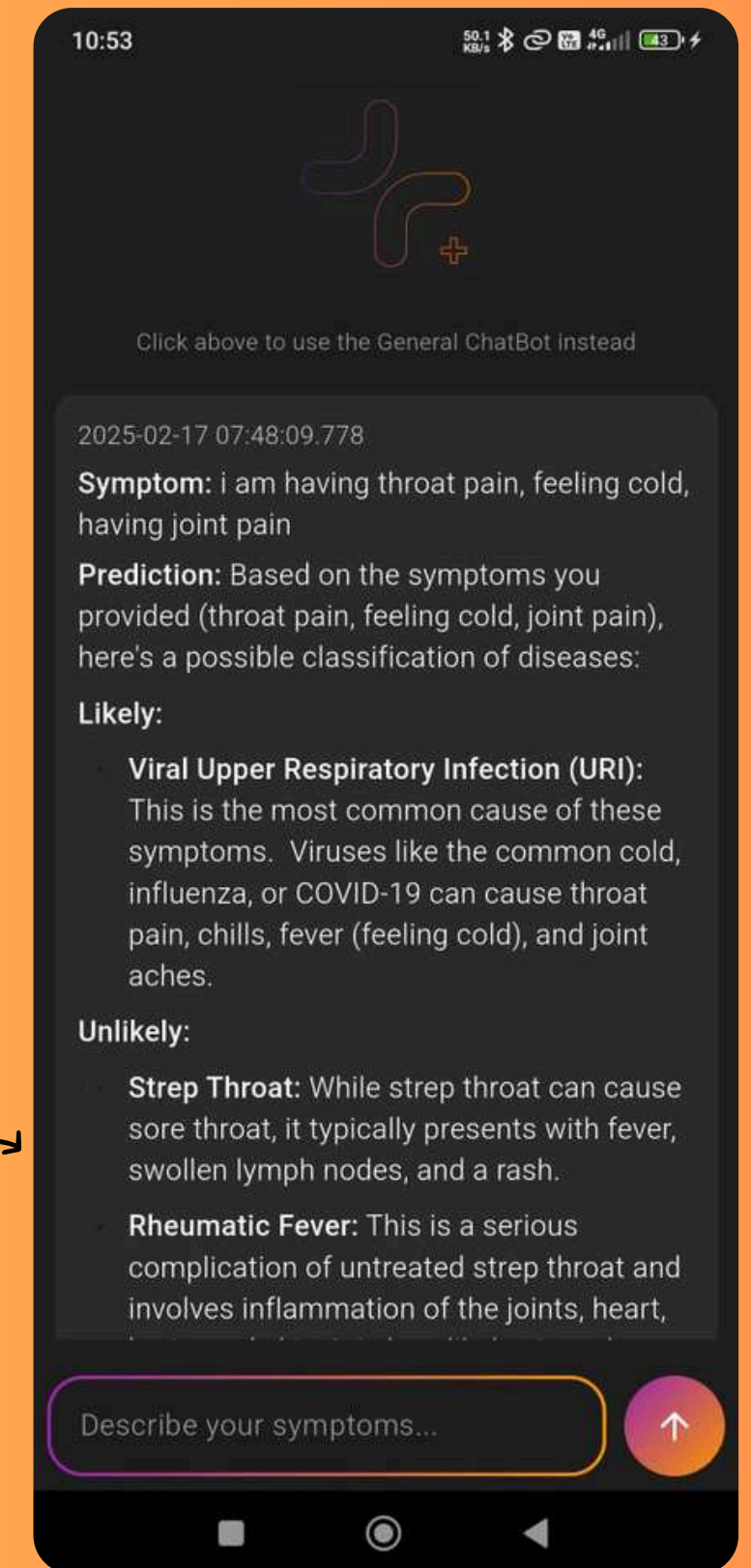


**GENERAL HEALTH BOT**

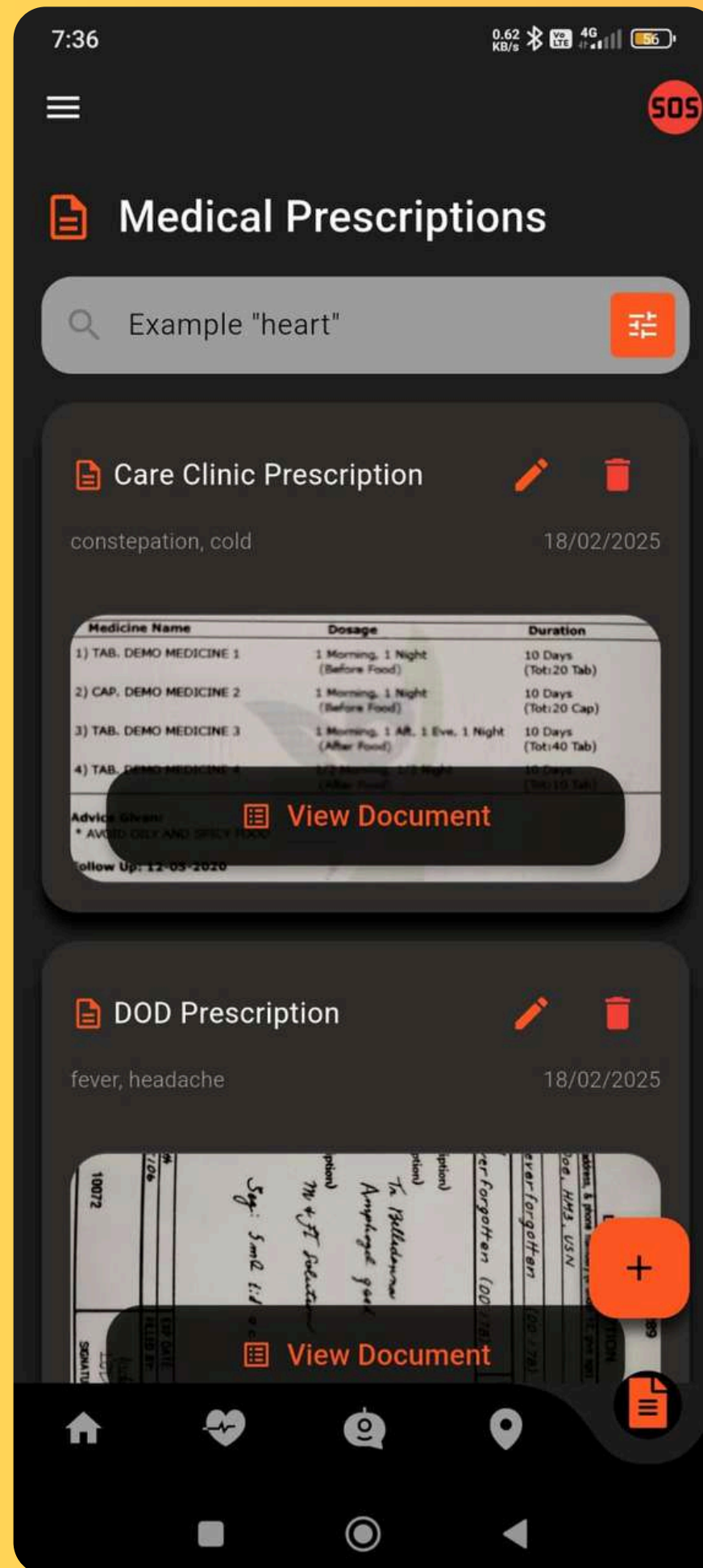
General AI powered chatbot with which you can discuss any health related things.

**ADVANCED SYMPTOM BOT**

Advanced AI powered chatbot which takes your symptoms as input and outputs the probable disease you might have.







## SEARCH FEATURE

You can search for previous prescriptions by the tags you saved for each prescription

## PRESCRIPTION WIDGET

Here prescription preview, name and tags will be shown. You can edit tags/name or delete your prescription here.

## ADD BUTTON

You can add new prescription with tags in pdf/image format. You can use camera or directly upload.



## CALORIE PREDICTOR

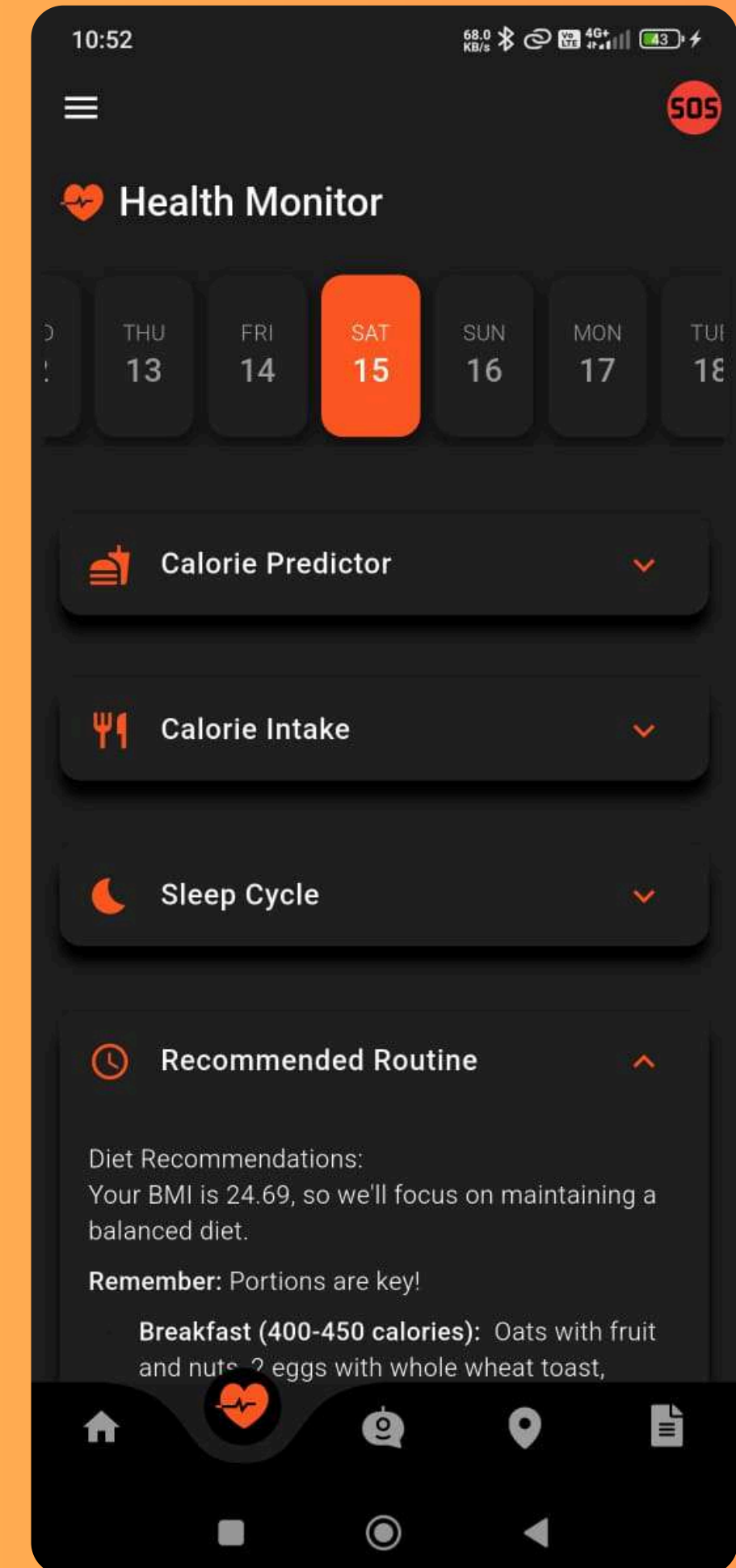
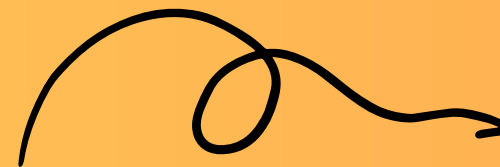
AI powered convertor which takes the food you ate and outputs its approximate calories.

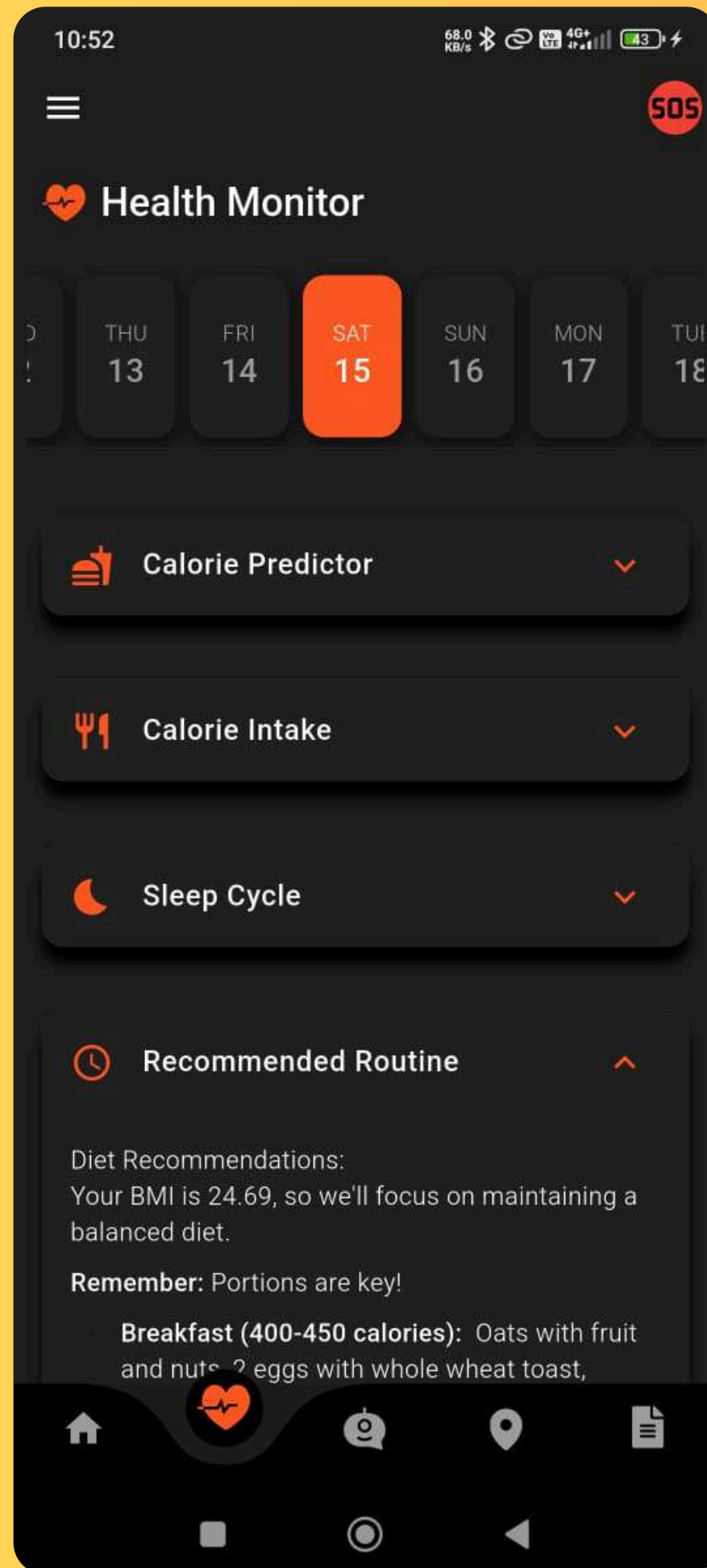
## CALORIE TRACKER

Daily we take your calorie intake for the whole day as input and make a bar chart of your last 7 days calorie intake.

## SLEEP TRACKER

We daily take your previous day's sleeping time, then we show graph of last 7 days of your input.





## RECOMMENDED ROUTINE

It takes your last 5 days calorie intake and sleeping time as input and outputs a recommended routine which includes a part which tells you how you are doing with respect to the sleep cycle and other part which tells you what you should for whole next day with some alternatives.

## BMI CALCULATOR

Here you can update your current bmi by giving your new height, weight as input.



# COMPARATIVE STUDY

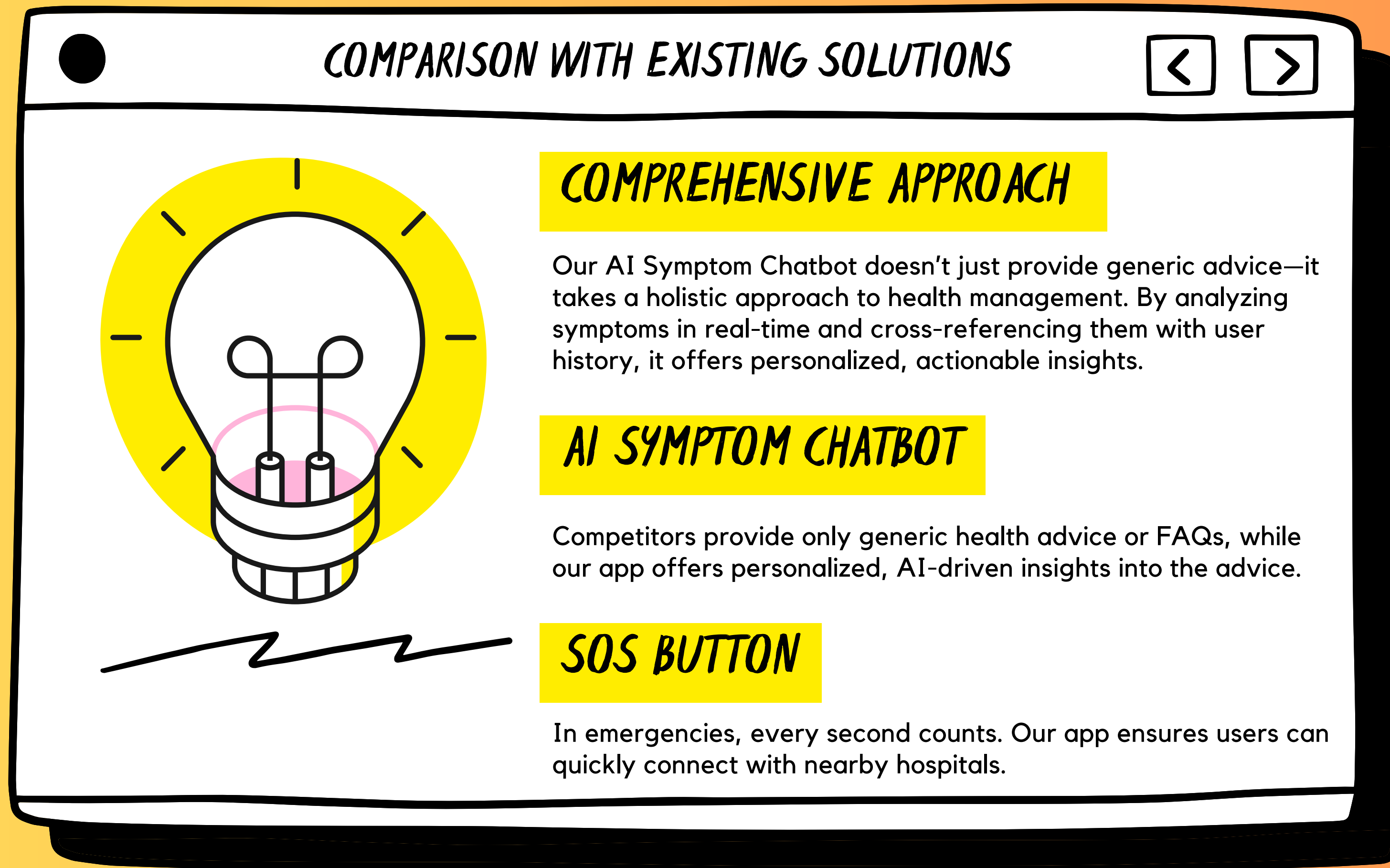


## OUR APP VS. COMPETITORS

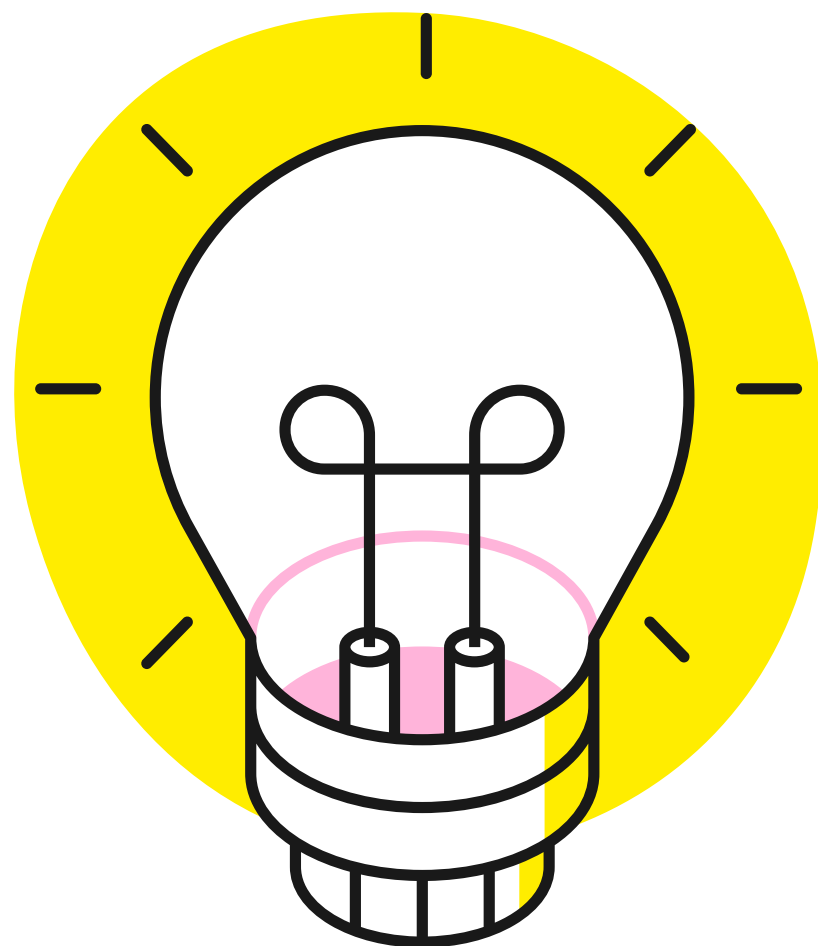
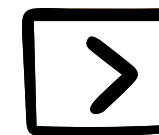
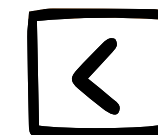


Features	MediSync	Apollo 247	ABHA	Apple Health
User Interface	●	●		●
File Storage	●	●	●	●
Nearby Hospitals	●	●	●	
Health Monitoring	●	●		●
AI Chatbot	●			
Latest Articles	●	●		●
SOS Button	●			





## COMPARISON WITH EXISTING SOLUTIONS



### COMPREHENSIVE APPROACH

Our AI Symptom Chatbot doesn't just provide generic advice—it takes a holistic approach to health management. By analyzing symptoms in real-time and cross-referencing them with user history, it offers personalized, actionable insights.

### AI SYMPTOM CHATBOT

Competitors provide only generic health advice or FAQs, while our app offers personalized, AI-driven insights into the advice.

### SOS BUTTON

In emergencies, every second counts. Our app ensures users can quickly connect with nearby hospitals.



# WORKFLOW

Building the Future of Healthcare

## Python

Utilized for development and integration with various libraries



## Gemini

Trained on large amounts of unlabeled data sets, which allows it to learn patterns and structures in the data



## Firebase

Reliable “backend as a service” provider backed by tech giants such as Google



## Langchain

Helps integrate AI models with Firebase and APIs for smart health insights



## FAISS

Enables fast, AI-powered medical data retrieval for accurate health monitoring



## Flutter

Free, open-source framework from Google that allows to build applications for multiple platforms using a single codebase

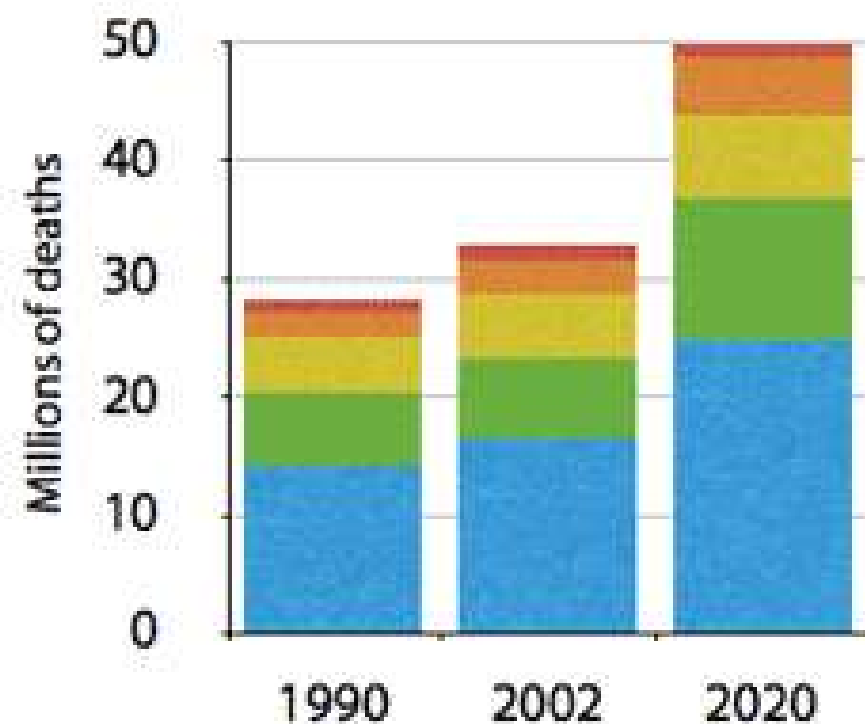




## ANNUAL GLOBAL MORTALITY

### Chronic Illness

- Diabetes
- Respiratory diseases (asthma, COPD)
- Other "noncommunicable" diseases
- Cancer
- Cardiovascular diseases

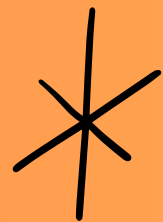


## WHY HEALTH MONITORING MATTERS

### STATISTICS

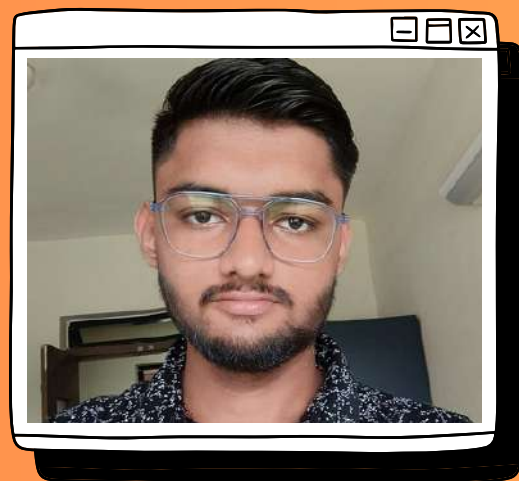


*Daily health monitoring can significantly contribute to the reduction of chronic diseases by enabling early detection, better management, and timely interventions.*



# THE TEAM

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**Pranjal Patil**  
Data Analyst



**Vikas Kumar**  
Frontend Dev & Designer



**Ashwin Gaikwad**  
Backend & Frontend Dev



**Zehaan Kadri**  
Figma Designer

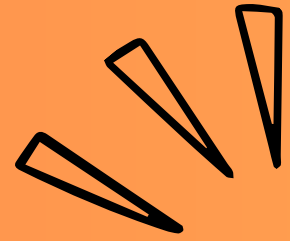


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Backend Dev



**Kunal Jangid**  
Junior Data Analyst





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# *THANK YOU*

*TEAM GOA TECH SUPPORT*

*OPEN TO QUESTIONS!!!*



MediSync

