

Dhanvantari - Traditional Health Bot

Team KNK
Sujithkumar M A (Leader)
Samritha D
Viboosithasri N S
Gowtham Easwar K

AI & IoT

Sujithkumar M A (Leader)

Viboosithasri N S

AI & IoT



Problem Statement

- ★ Inaccessibility of health care during emergency situations, especially in and around remote areas.
- ★ Being unaware of existing natural solutions to temporary and simple illness.



Existing Solutions

1. Hospitals which are far away from living place. But amid this pandemic, It's highly improbable to go to hospitals for simple illnesses.
2. Paid consultation through consultation apps
3. English(Allopathy) medicines



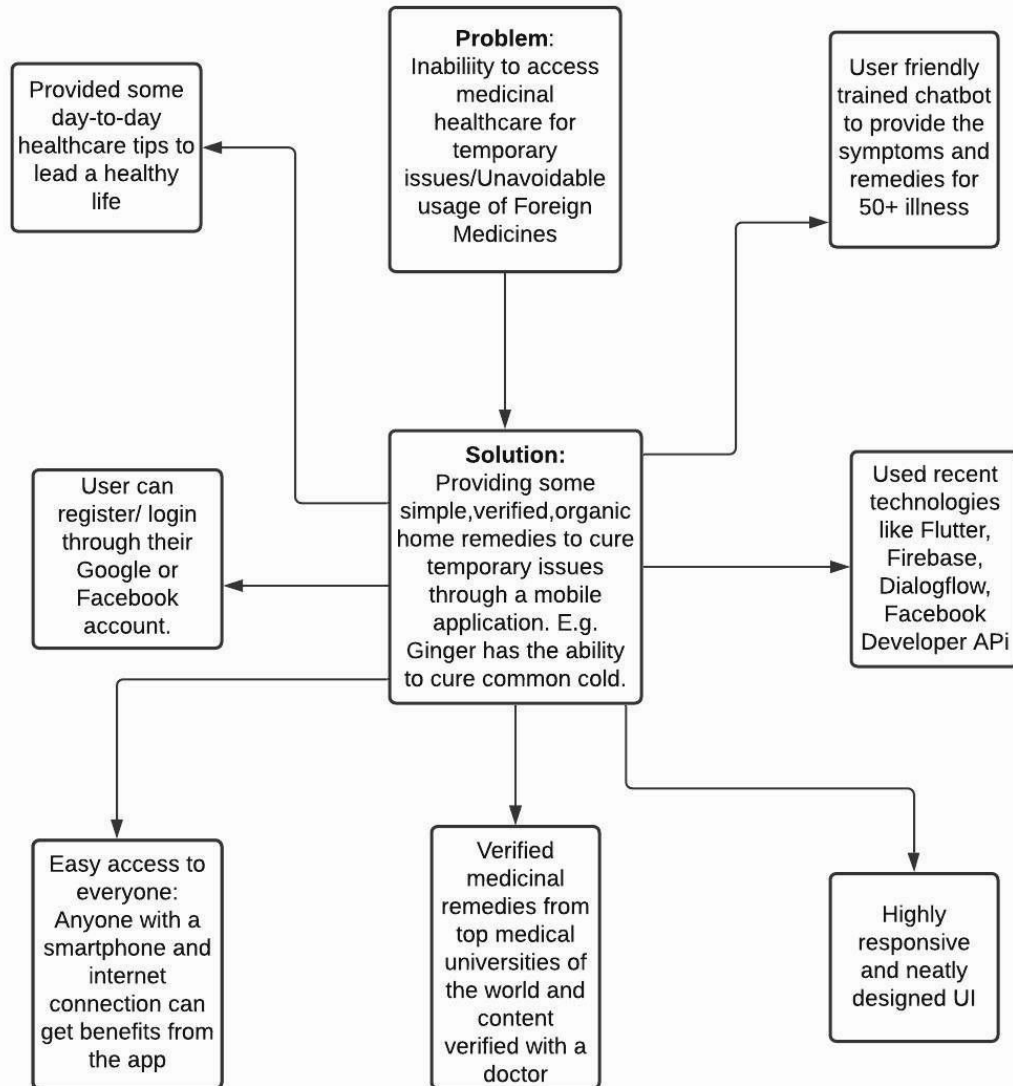
Proposed Solutions

We developed a Chatbot App which provides instant natural home remedies for temporary illness. (E.g. Ginger - Cold)

- ★ Our app would provide healthier and safer solution to simple health problems using mostly available resources in home without any side-effects. Proper research has been undertaken and the authors has been cited.
- ★ The chatbot was trained with several verified information from various sources. The information has been verified by doctors. Using the doctors' registration form, Doctors can register themselves in the app and can help us develop the initiative.



Functionality



Advanced software technology used

Components/ Parts	Role / Functionality of the components used in the proposed solution
Flutter	Cross Platform Application development framework to develop the application
Firebase	To enable authentication of the users and to maintain a database of the users
Dialogflow	Google API to design the chatbot
Dart	Programming language used to work in Flutter SDK
Android SDK	To build the apk package
JDK	Android Apps usually work in Java/Kotlin. So, Java Development Kit is needed to build the Java Code

Merits

- ★ Promoting home and natural remedies
- ★ Renaissance of traditional medicine in a smartphone
- ★ Creating healthy individuals - a Fit India
- ★ Considering the major features of the application, the benefits that the users can gain out of this app is versatile.
- ★ It is an Ad-free app which makes it user friendly.

Content has been verified with Dr. Manikandan E.S, Senior Assistant Professor, Coimbatore Medical College Hospital, Coimbatore- 641018



Show Stoppers

- ★ The application is yet to be translated into many languages especially native languages.
- ★ There may be a few Diagnosis issues since it is a machine learning tool.
- ★ The app is constrained to temporary illness only.



Applications

- ★ We have launched our app and now it's available for all the android users.
- ★ Dhanvantari will be very helpful during this pandemic situations for people who have simple illness and who doesn't know the natural solutions available for the particular disease.
- ★ Basically, it is a simple alternative for all problems encountered in healthline sector.

