

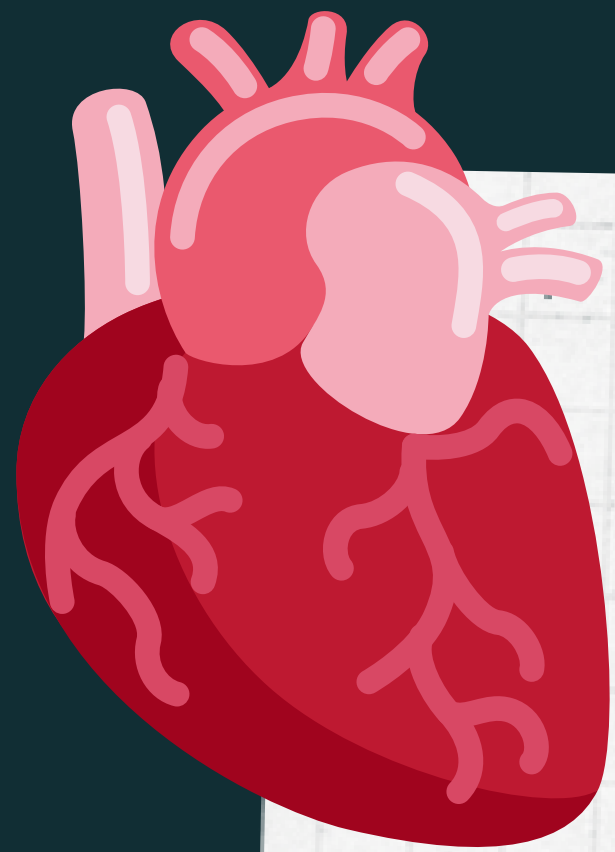
PROJECT URJA

**A healthcare web
application for assessing
cardiovascular health.**



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PROBLEM STATEMENT



As per the estimates of the World Health Organisation Heart Diseases claim nearly 17.9 million lives each year. Heart Diseases maybe of various types and typically tend to worsen as the age of an individual advances.

Irrespective of the type of heart disease afflicting an individual, the benefit of early detection is undeniable. Like most diseases, detecting heart diseases at an earlier stage makes treatment easier and dramatically improves the chance of survival for an individual.

SDG'S WE MEET



THE GLOBAL GOALS

3 GOOD HEALTH AND WELL-BEING



TARGET USERS

**Adults age 45
years of age and
older**

**Provide hassle-free
consultation from
any part of world.**



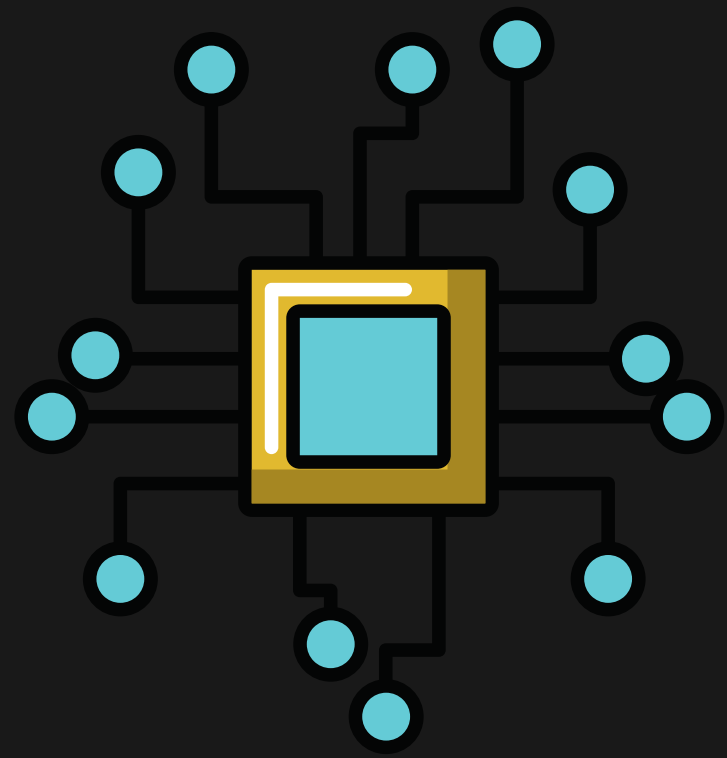
**Old age
citizens who
cannot travel**



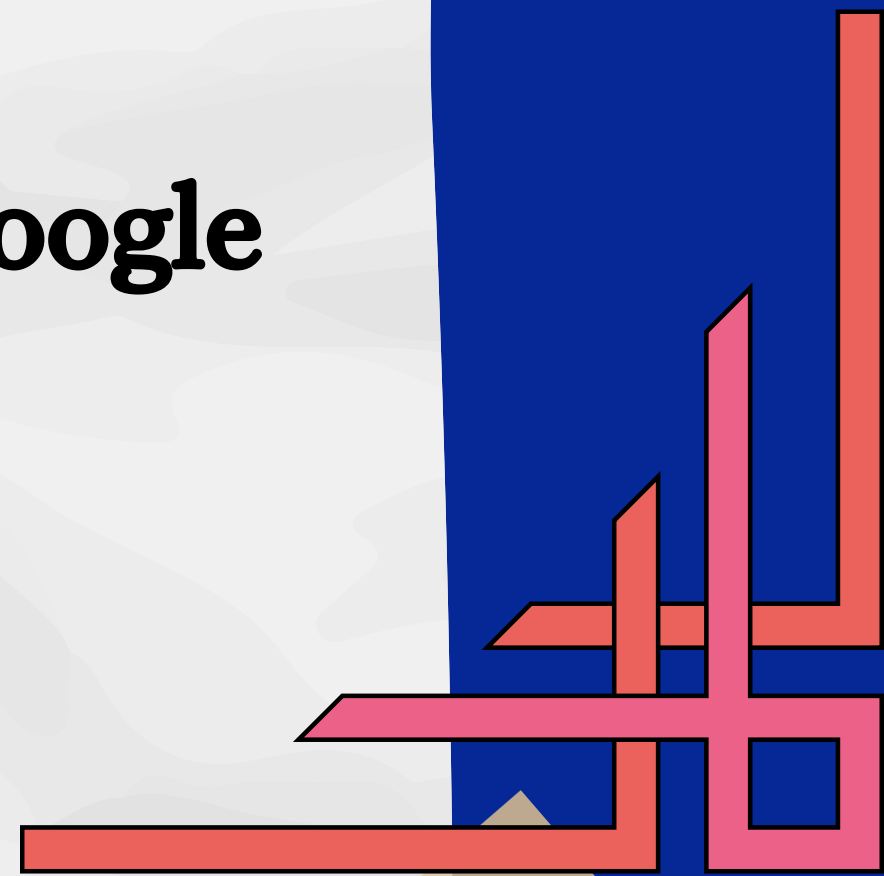
MARKET RESEARCH

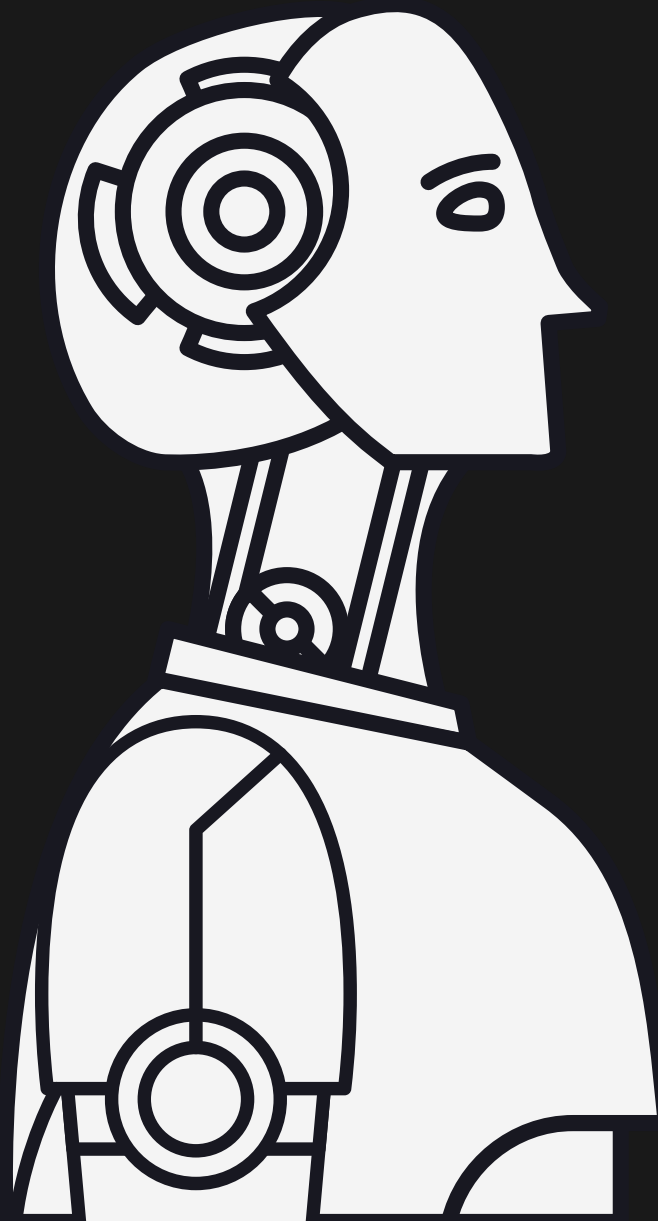
- Survey participants were aged ≥ 56 years (238/282, 84.4%) and male (204/282, 72.3%). More than one third (108/282, 38.3%) were regular app users, of whom 83/108, (76.9%) used health apps.
- Regular app users were more likely to be <56 years (versus ≥ 70 years; OR 4.70, 95% CI 1.92, 11.51), employed (OR 3.07, 95% CI 1.63, 5.77) and had completed high school education (OR 2.37, 95% CI 1.30, 4.34).
- Focus group participants using the CHD-specific app were aged 41-79 years (mean 62.2 SD 5.3 years) and 10/12 were male.

PRODUCT DESIGN

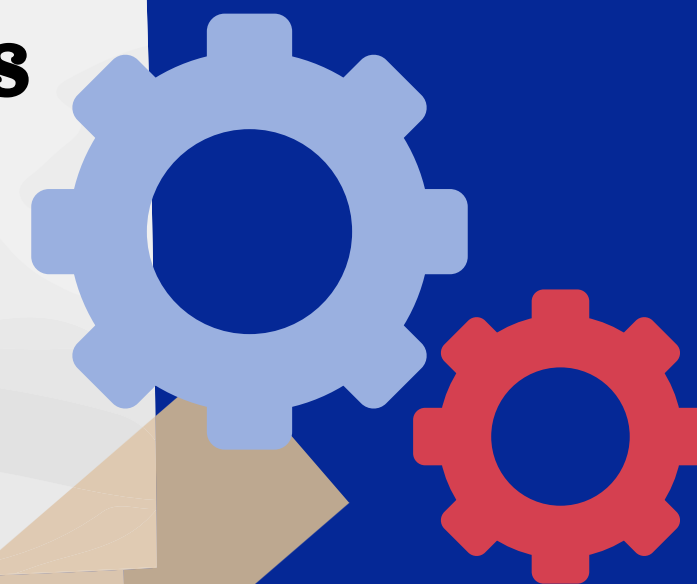


- **Provides Self Test Analyser based on Machine Learning**
- **Contains a ChatBot integrated using DialogFlow Google API**
- **Registration through Google Account.**





- **Book appointments online & have meetings with the doctor via Video Calling from the dashboard.**
- **Doctor's dashboard contains list of all patients where medicines can be prescribed timely.**
- **Contains a Community Building forum for connecting to patients and doctors from diverse areas.**



OUR SOLUTION



Ours is a Healthcare Web Application for people to analyse their cardiovascular health and user can find details of various doctors and sort them by their speciality.

So the Web App spreads awareness, improves health standards, promotes diversity & provide a Community platform to interact with other people with such an interactive portal.

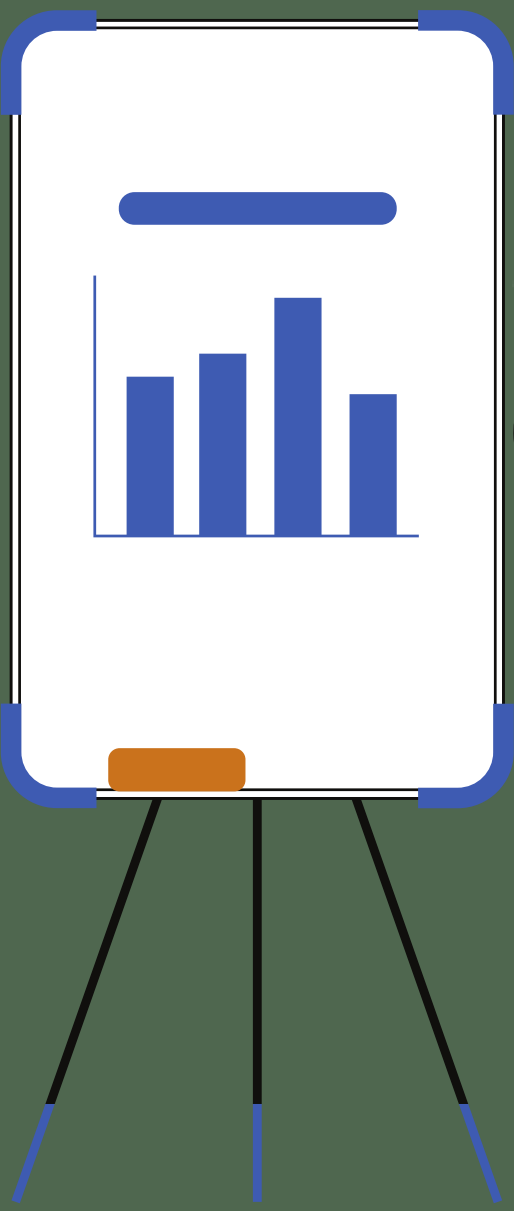
TECH STACK

- 1) HTML
- 2) Bootstrap
- 3) CSS
- 4) JavaScript
- 5) Embedded Javascript (EJS)
- 6) Machine Learning
- 7) Python
- 8) Dialogflow
- 9) MongoDB
- 10) Nodejs
- 11) Figma
- 12) Git/Github

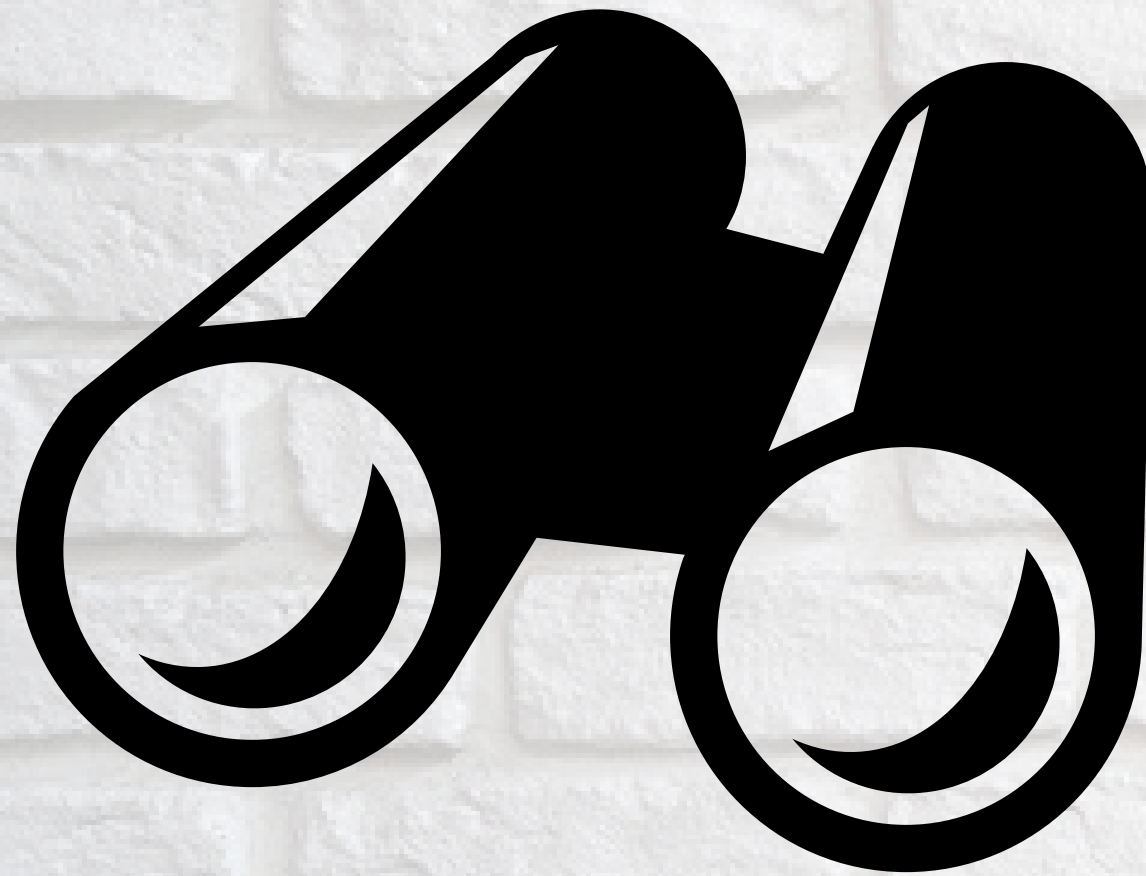


REVENUE MODEL:

- **Commission from doctors**
- **Advertisements on the website**
- **Promotion of health care products(Offering premium account where users can get video consultation from the doctors with our paid services**
- **Offer subset of features for free. Try to convert free customers to paying customers.**



FUTURE SCOPE:



- **We want to grow our community and make our application available to every person who cannot afford the expensive services.**
- **This platform will allow patients to consult doctors through Video Meetings.**
- **We will partner with pharmacies to provide medicines for heart disease,**
- **The platform also allows patients to pay fees to doctors directly online. We have planned to integrate Payment Gateway and promote this Web Application to a much larger extent.**

RELATIBILITY TO THE THEME CHOSEN



About 659,000 people in India die from heart disease each year—that's 1 in every 4 deaths.

Our App aims to prevent this by early and free detection



SCALABILITY:



Cloud facilitates technologies that are used in healthcare like:-

- **electronic**
- **medical records**
- **mobile apps**
- **patient portals**
- **devices with IoT**
- **big data analytics.**

It provides hassle-free scalability and flexibility, which in turn improves the ultimate decision-making process.

INNOVATION



**Video
conferencing**

Chatbot

**There is no other
web app at
the moment
solely
dedicated to heart
diseases.**

