



Applied Intelligence
Revolutionizing healthcare with AI & analytics

PRECISION HEALTH CHALLENGE 2018

Hackathon!

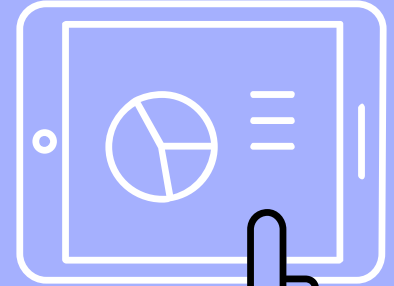
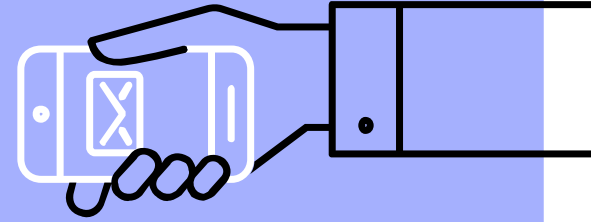
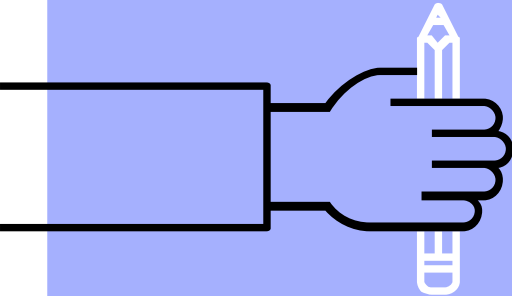
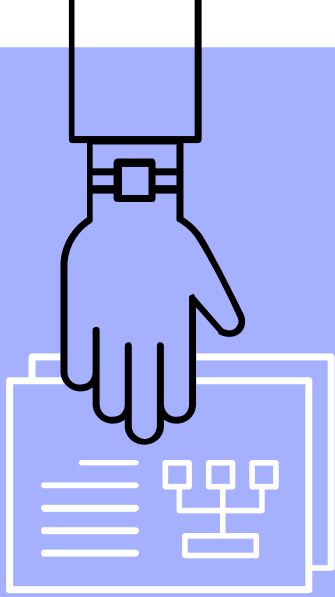


Idea Submission
Phase

TEAM NAME: SNORLAX

COLLEGE: DELHI TECHNOLOGICAL UNIVERSITY

HEALTHIFY YOUR HEALTHY SOCIAL CAM



HELLO!

Team Leader: Drishti Agarwal

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Member 1: Sagnik Bhowmick

Member 2: Nikhil Mishra

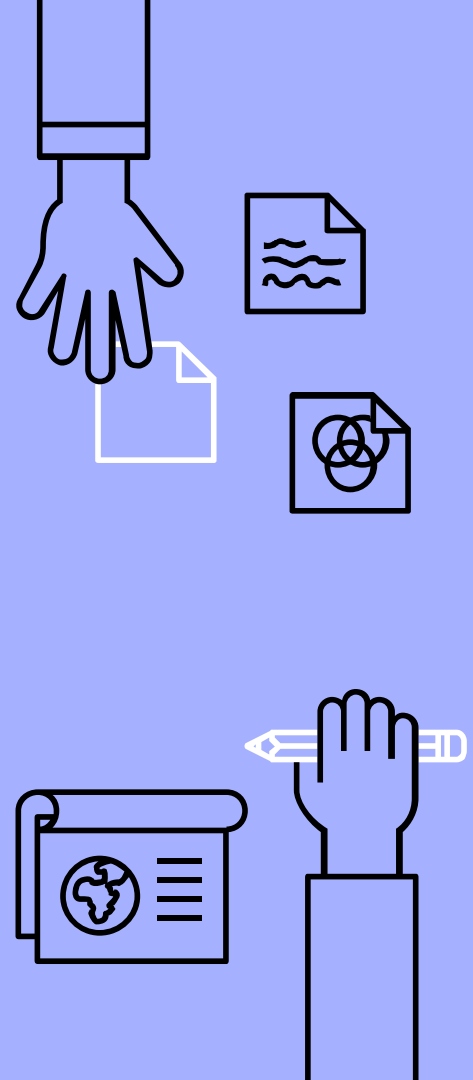
Member 3: Ayush Arora

WHAT?

The idea is to **develop a very low cost heart rate measurement service** without the use of any physical instrument.

We plan to prepare a **plot of heart rate over time from blood flow in Face by collecting a short video of the patient at frequent intervals** to predict the heart rate and hence, the health report of the user.

To collect this data from user, we plan to **build a video recorder + editor app** which can be used to record live video, edit and then post the same to any number of social media platform like FaceBook, Instagram, etc from the app itself.



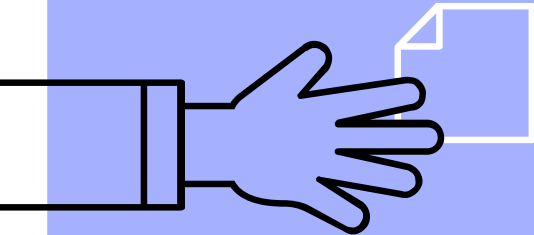
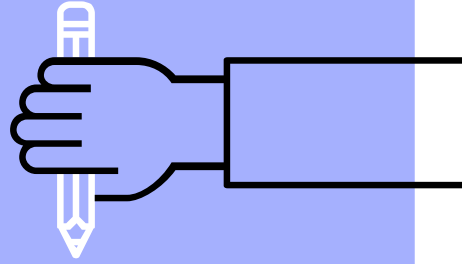
HOW?

- ▶ Plot of **heart rate** over time **from blood flow in Face**. The idea is to collect a short video of the patient to predict the heart rate.
- ▶ Use hyper spectral (32 spectral channels) to **find the most sensitive colour channel** and based upon that, predict the heart rate. We use Deep learning to train our model and predict the heart rate.
- ▶ We plan to connect services like Practo, Fitbit data as well to **generate a comprehensive report and help find a doctor** for the predicted medical condition based on this report.



WHY??

The Most Important
Question



“

*If you think wellness is
costly, try with illness!*

AVERAGE DAILY TIME SPENT ON SOCIAL



YOUTUBE

40 MINUTES



FACEBOOK

35 MINUTES



SNAPCHAT

25 MINUTES



INSTAGRAM

15 MINUTES



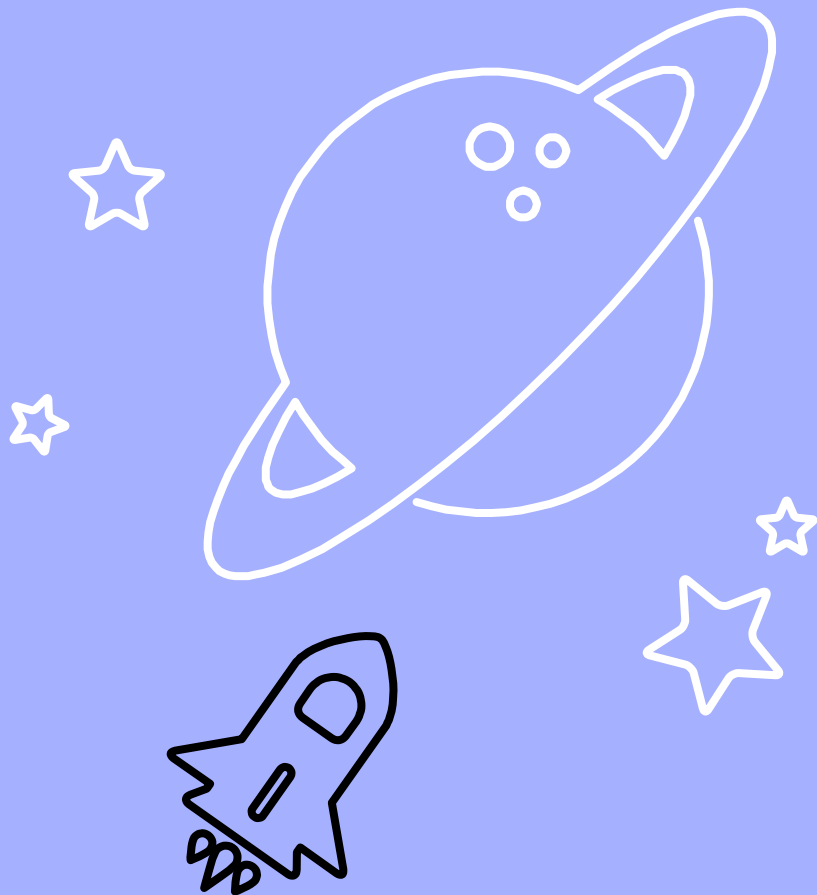
TWITTER

1 MINUTE

It is generally observed that an average adult spends more time on social media than his/her health.

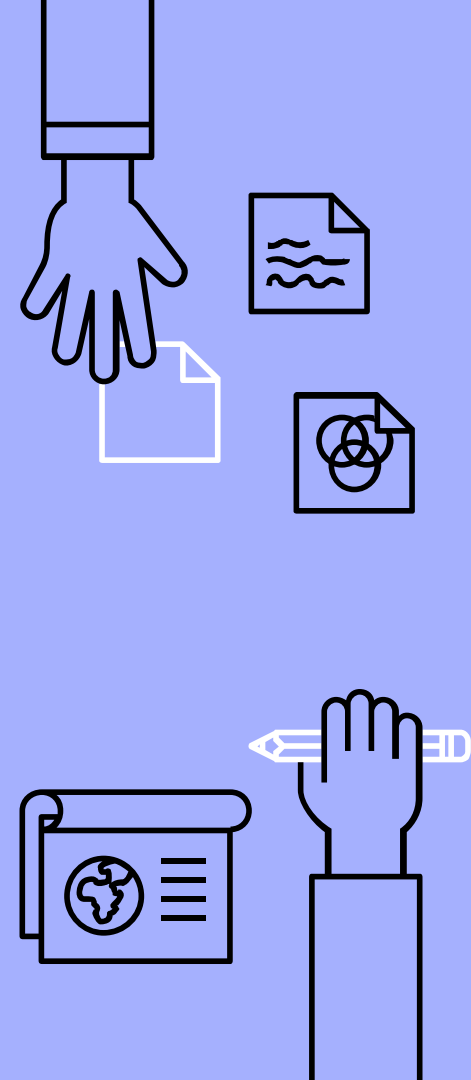
WHAT IF

We have a **common platform** that checks and tracks your health along with your social activities.



OUR IMPACT!

To make the user share his/her frequent video recordings, **we plan to make a social media camera app to capture video, edit and add various emojis, widgets etc and the ability to share the same to multiple social media platforms at the same time.** This makes it easy to adopt and it will help us to predict the real time health rate.

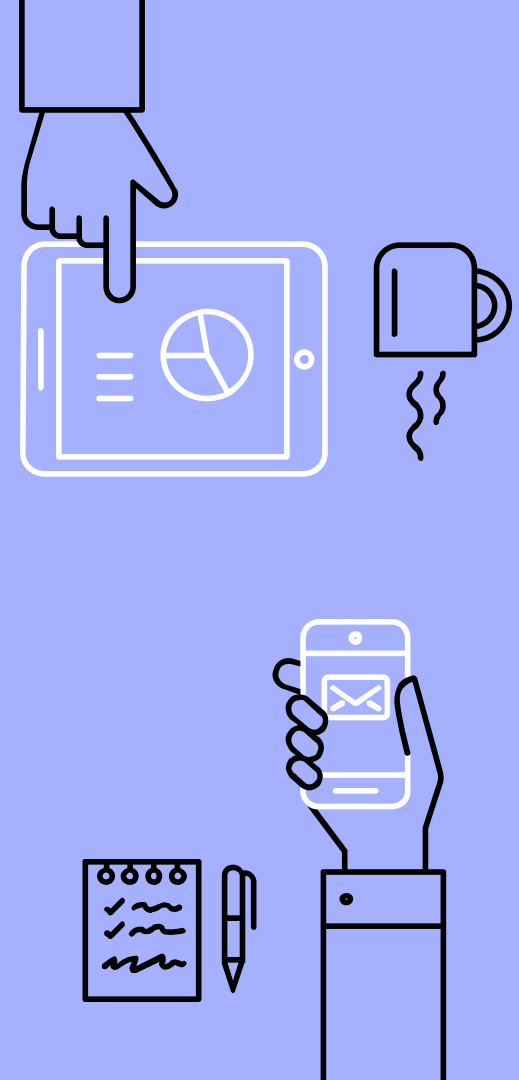


What's Unique?

The **heart rate of a patient is very important parameter** for a lot of medicinal diagnostics.

The existing solutions involve costly machines and hardware devices which result in less frequent monitoring of this major parameter.

We aim to **develop a very low cost infrastructure** which **does not involve any major hardware** except the Smartphone and basic internet connectivity.



Is our idea unique or an improvisation of existing solution?

Our Idea is unique in its own. There is no such product in market which caters this problem. Moreover success of apps like Musically, Tik-tok, Dubsmash and Snapchat has shown that how popular these camcorder based apps can be in this self obsessed internet crowd.

However when it comes to apps like Fitbit, Google Health and Practo, they have very less penetration in the market compared to the above mentioned. Hence it is quite necessary to bridge the gap between them.

Our state of the art solution, comes handy in such situation for the greater good of the society.



FEW STATISTICS

200 million

Musical.ly users

300 million

TikTok users

500 million

Snapchat users

20 million

FitBit users

5 million

Healthifyme users

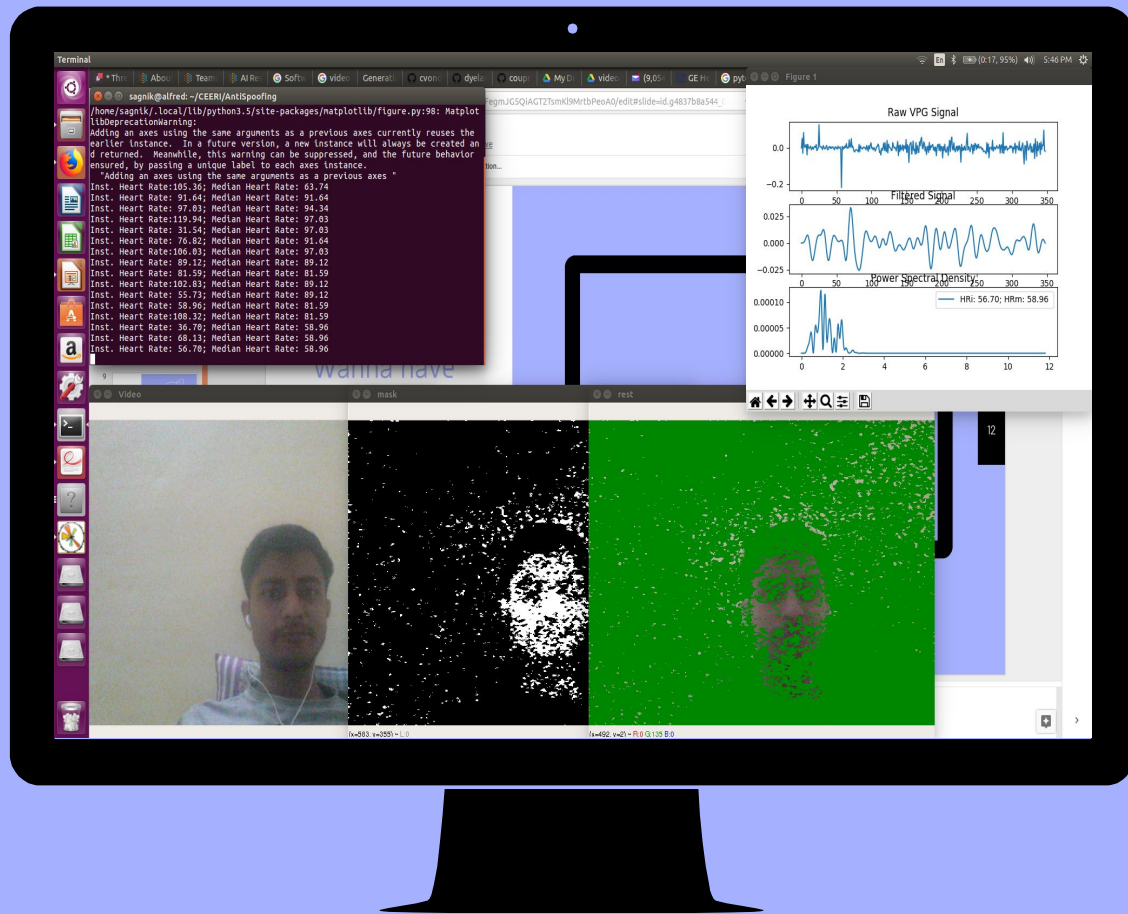
2.5 million

Practo users

80 million
Projected Monthly Users



Wanna have
a look at our
prototype?



THANKS!

Any questions?

You can find us at:

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