



Moodify
mental health matters

मानसिक बीमारी भी कोई बीमारी है ?
- समाज



HEADLINES

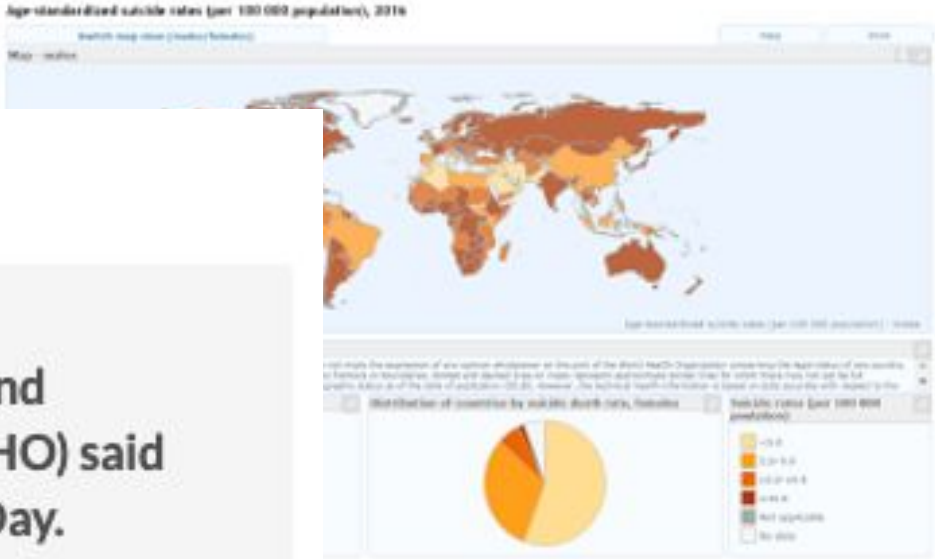
10 October 2019 | Health

Worldwide, 800,000 people die by suicide each year - one every 40 seconds - making it the second leading cause of death among young people (aged 15 to 29), the World Health Organization (WHO) said on Thursday, spotlighting suicide prevention as the theme for this year's World Mental Health Day.

"Mental health has been neglected for too long," Secretary-General [António Guterres](#) said in a [video](#) message for the [Day](#), saying it needs to be addressed urgently, as a matter "that concerns us all."

Global Health Observatory (GHO) data

Mental health



Age-standardized suicide rates: There were close to 800 000 suicide deaths worldwide in 2016. This indicates an annual global age-standardized suicide rate of 10.5 per 100 000 population. The major differences between high-income countries and low- and middle-income countries (LMICs) are that young adults and elderly women in LMICs have much higher suicide rates than their counterparts in high-income countries, while middle-aged men in high-income countries have much higher suicide rates than middle-aged men in LMICs.

[View interactive graph](#) [Read more](#)

Suicide

800 000

persons approximately die from suicide globally each year (one death every 40 seconds)

[Suicide prevention](#)

Financing

< 2%

of the global median of health budget is allocated to mental health in 2017

[Mental Health Atlas 2017](#)

Human resources

9

is the median number of health workers per 100 000 population

[Rate of psychiatrists and nurses](#)

THE ECONOMIC TIMES

Panache

LATEST NEWS [Alibaba wins exch](#)

Home

Magazines

Panache

ET Magazine

Travel

Tech and Gadgets

Worklife

Cars & Bikes

Lifestyle

Food & Drinks

Health

People

Entertainment

[Business News](#) > [Magazines](#) > [Panache](#) > Mental health in India: 7.5% of country affected; less than 4,000 experts available

[Benchmarks](#) >

Nifty

11,840.45 ↓ -73.0

[NSE Gainer-Large Cap](#) >

Au Small Finance Ba...

808.15 ↑ 89.75

FEATUR

Aditya I

Relief 9

★★★★

Mental health in India: 7.5% of country affected; less than 4,000 experts available

By next year, roughly 20 per cent of India will suffer from some form of mental illness.

A report by the World Health Organisation (WHO) revealed that 7.5 per cent of the Indian population suffers from some form of mental disorder. Mental illnesses constitute one-sixth of all health-related disorders and [India](#) accounted for nearly 15% of the global mental, neurological and substance abuse disorder burden. The treatment gap, which is defined as the prevalence of mental illnesses and the proportion of patients that get treatment, is over 70 per cent. WHO also predicts that by 2020, roughly 20 per cent of India will suffer from mental illnesses. And to cater to this demographic, we have less than 4,000 mental health professionals.

When it comes to physical health, people are so conscious and aware these days. They know everything there is to know: what super-foods eat and what not to eat, what the latest diet fads are, what the most cutting-edge workouts to stay fit are, and how to monitor every aspect of their health with state-of-the-art fitness bands.



Why **Moodify** ??

**Inclined towards
depression**



Why Moodify ??

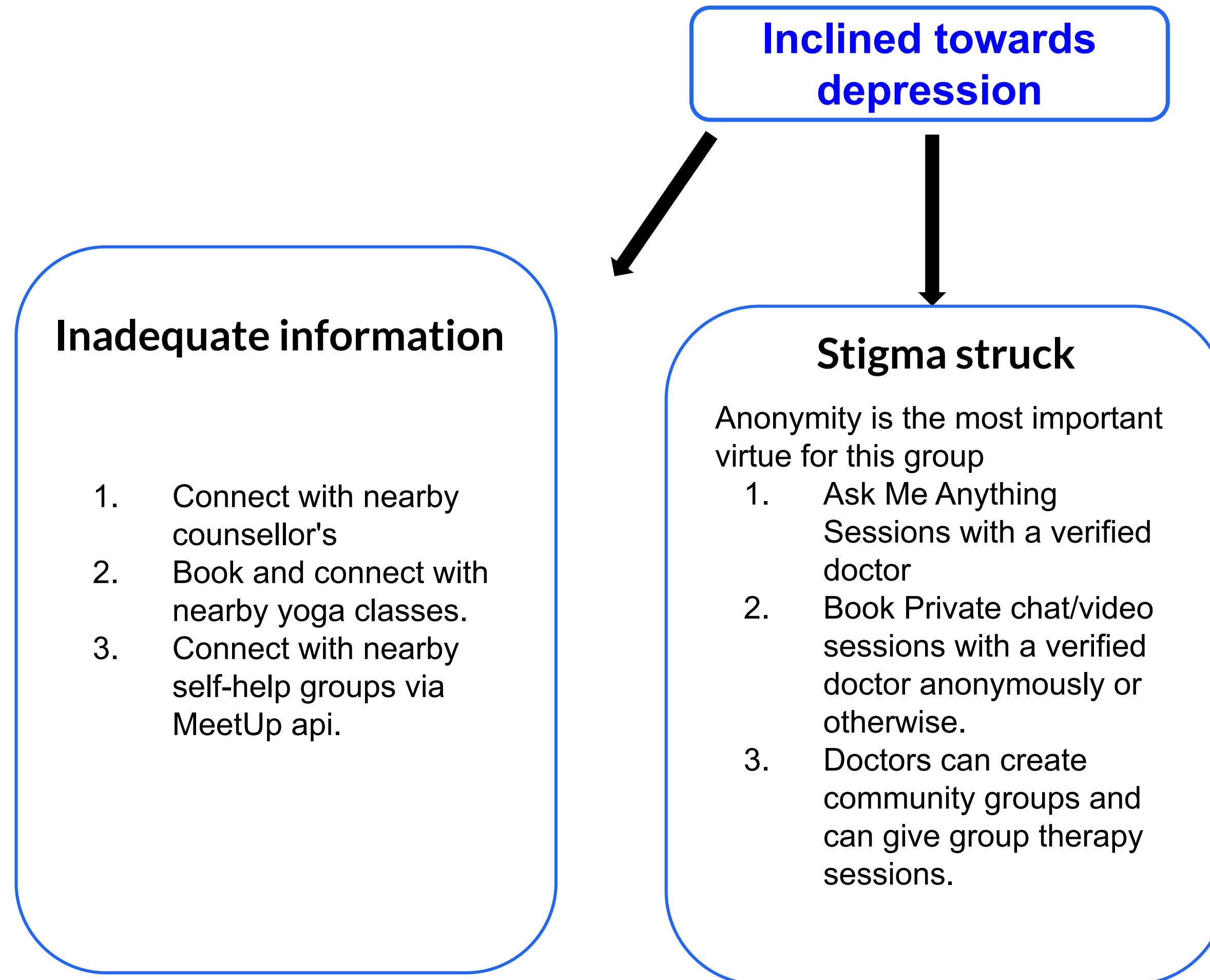
**Inclined towards
depression**

Inadequate information

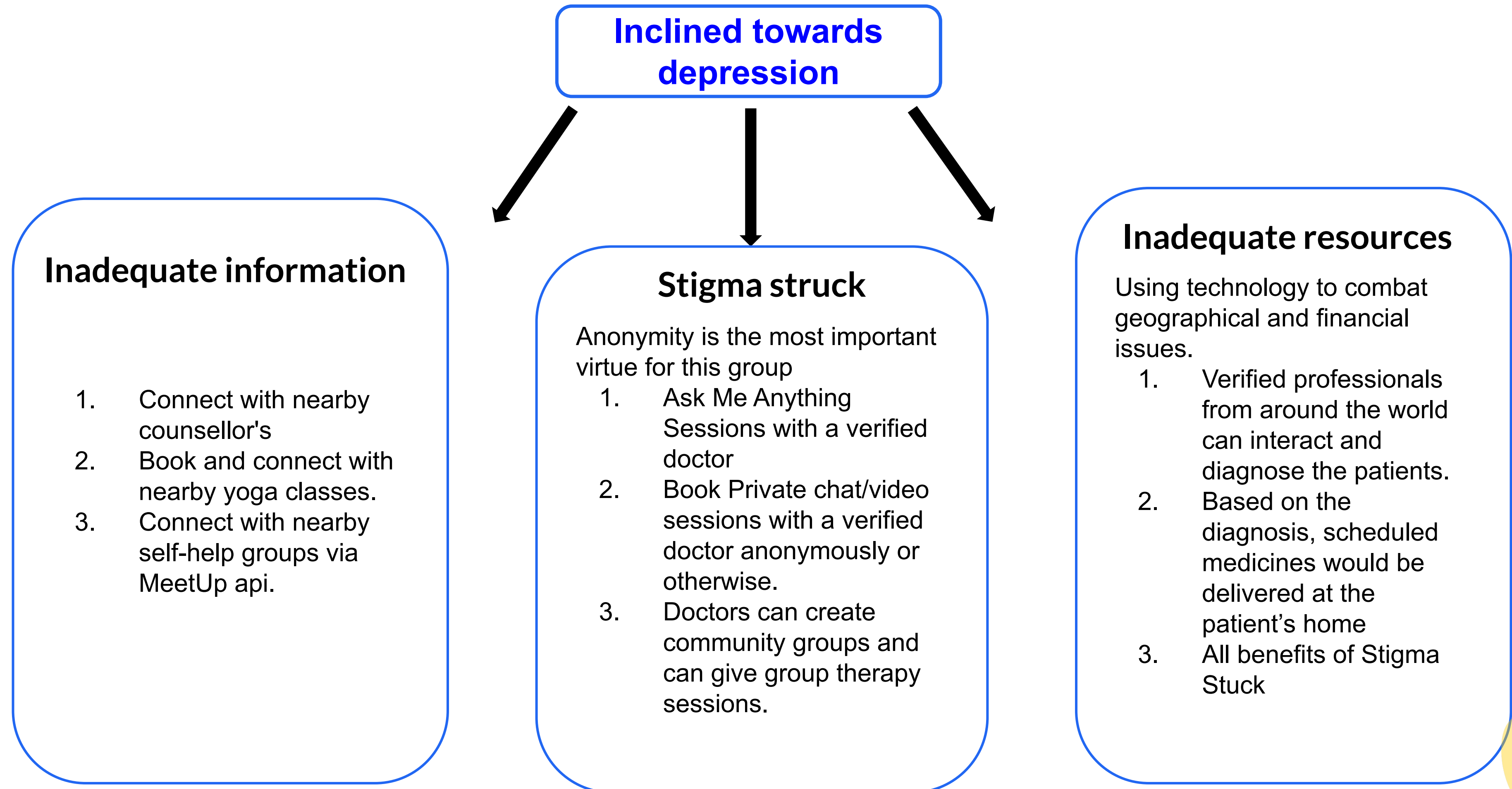
1. Connect with nearby counsellor's
2. Book and connect with nearby yoga classes.
3. Connect with nearby self-help groups via MeetUp api.



Why Moodify ??



Why Moodify ??



Our Product

Domestication of mental health diagnosis

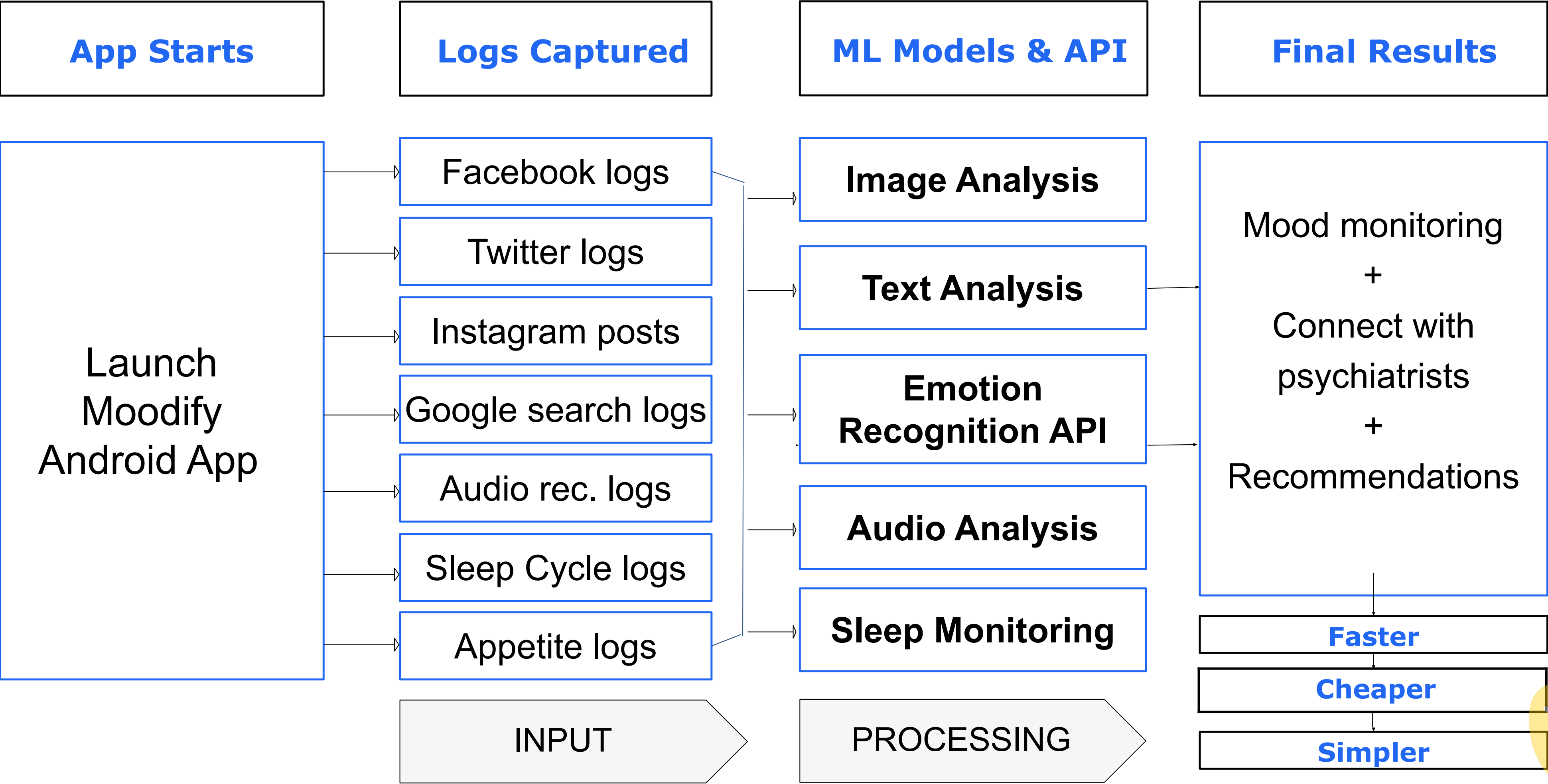
Moodify is a mobile app which uses AI-ML for analysing social media interaction and factors such as appetite, sleep cycle for self screening of mental well being. It provides a platform to connect with psychiatrists and counselor in case of possible deteriorating condition.

Socio-Economic Impact

Provides **much cheaper & faster screening** for otherwise neglected health issues in both rural and urban India making it reachable to all and **thus earlier detection of mental diseases** and direct **improvement in quality of life** in the country.

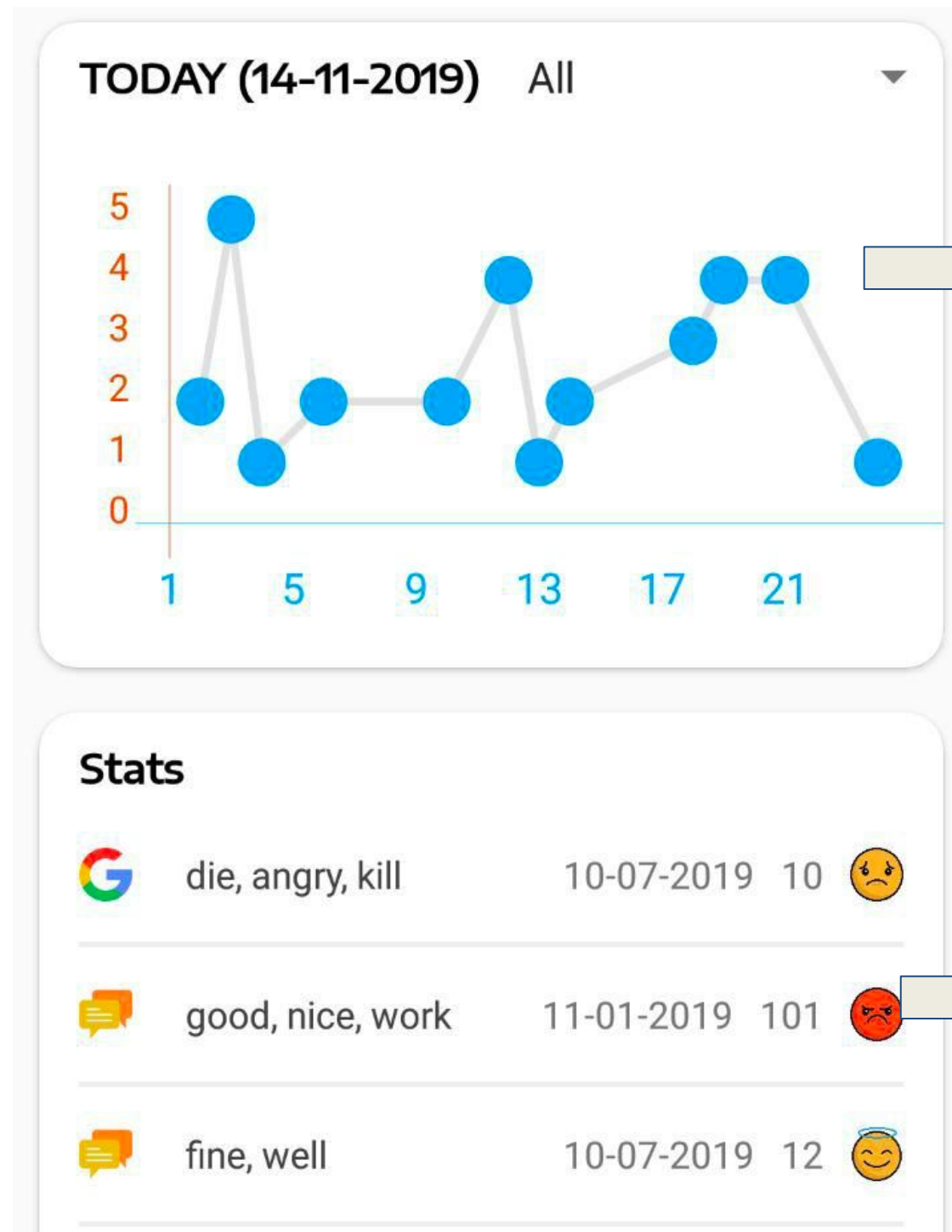


How Moodify works?



Analytics

Getting insights from our data!!



A record graph plotted for score (mapped with mood) vs time to give to give real time changes in probable mood.

A columnar view of frequently used negative words from various sources like search history, posts etc along with the corresponding frequency.



ML Models Result

```
RawalRuchit
I have a new hand bag! It's faboulus !!
0.595 [[0.00228345]]
I blame school for my anxiety and depression
1.0 [[0.99898773]]
Too much homework has a negative impact on the GPA of High school students. Feeling overworked in school
0.926 [[0.34910616]]
Today was a great day, I love my college
0.376 [[0.00022749]]
172.30.21.29 - - [20/Oct/2019 19:06:25] "POST /getTwitter/2019-10-12%2007:15:18 HTTP/1.1" 200 -
typemachine
```



TWITTER

Instagram



```
got photo
<Request 'http://172.30.21.126:5000/instaArray' [POST]>
2019-10-19 21:19:29
Testing Image 2019-10-19 21:19:29
['Happy']
2019-10-19 14:09:28
Testing Image 2019-10-19 14:09:28
['Angry']
172.30.21.29 - - [20/Oct/2019 19:06:35] "POST /instaArray HTTP/1.1" 200 -
```

**Text Analysis -
Google logs**



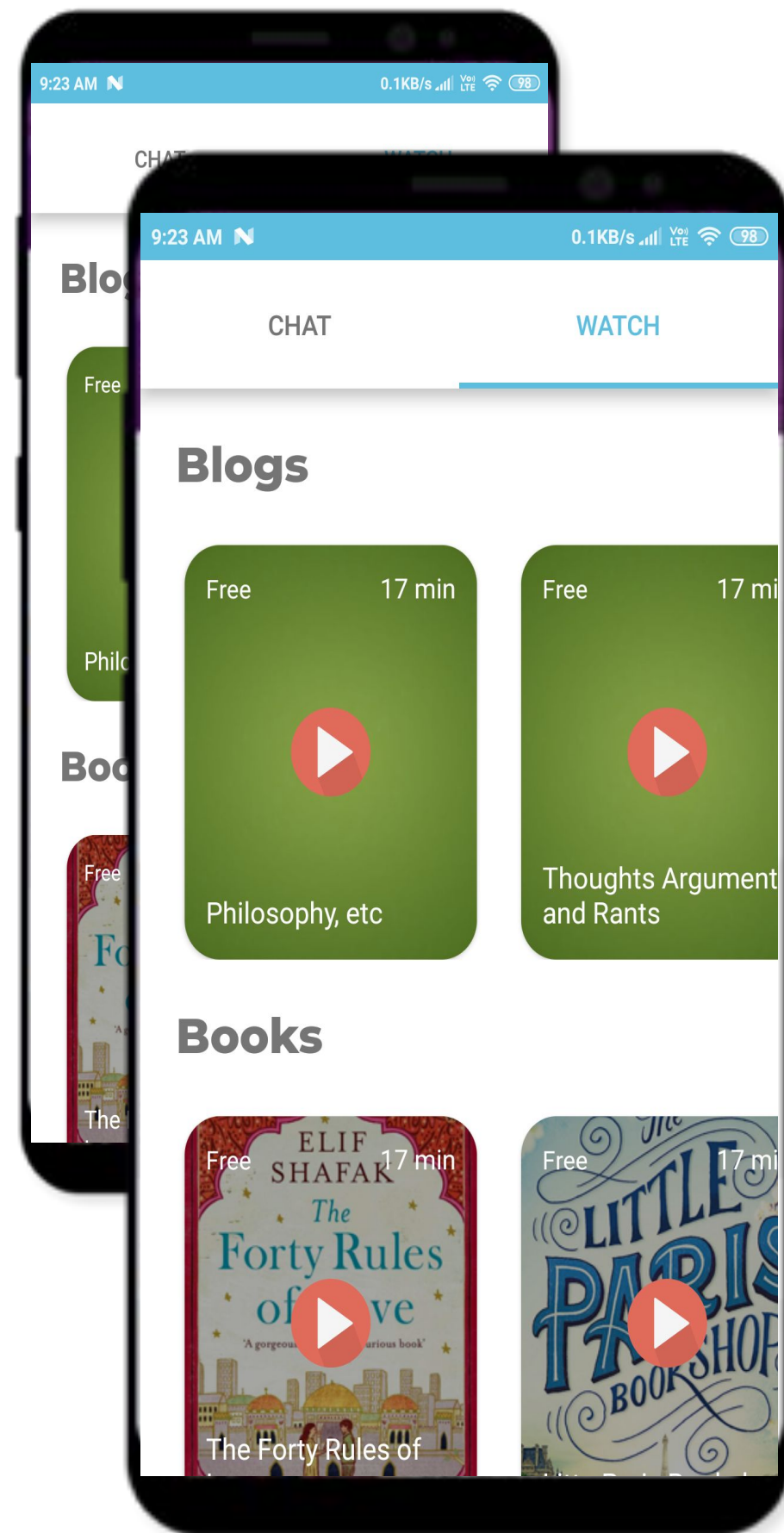
```
.\n\nyou're alone, walking through the city and all you see is abandoned and destroyed buildings and streets. just like playing fallout 4 and the la
st of us. i'm really looking for a \"soundtrack\" for this type of scenery.\n\nalso, my favorite song from this genre is a gallant gentleman by we
lost the sea. i love that guitar work, it's just astounding. i feel it completely catches the sad, alone world feeling.\n\nalready know the popular
bands. ''
[('grieving', 1), ('illness', 1), ('least', 1), ('lost', 1), ('problems', 1), ('serious', 1), ('severe', 1), ('slow', 1), ('strike', 1), ('too', 1), ('
worthless', 1), ('depressed', 1.8), ('depressing', 1.8), ('death', 2), ('emotional', 2), ('grief', 2), ('sad', 3.6), ('loss', 4), ('sadness', 7.2), ('d
epression', 9.0)]
{'grieving': 1, 'illness': 1, 'least': 1, 'lost': 1, 'problems': 1, 'serious': 1, 'severe': 1, 'slow': 1, 'strike': 1, 'too': 1, 'worthless': 1, 'depre
ssed': 1, 'depressing': 1, 'death': 2, 'emotional': 2, 'grief': 2, 'sad': 2, 'loss': 4, 'sadness': 4, 'depression': 5}
172.30.21.29 - - [20/Oct/2019 19:06:25] "POST /typemachine HTTP/1.1" 200 -
```


Solution

- Moodify serves as a **bridge** between a professional caretaker and the user. We aggregate data and provide exhaustive reports for the doctor to better understand the context of their patient's ailment.
- We also provide real-time **mood based recommendations** which serve as trusted checkpoints in moments of high emotion displays, basically serving as a short term solutions.



Short term solution



The app provides an interface between the user and the hospitals.

#1

Sensitivity slider for chrome

We realize that the Internet is full of nasty things, our sensitivity slider analyzes content of a webpage and blocks it automatically if flagged above a particular threshold.

#2

Movies

Generating real-time movie recommendations based on current evaluation of user's mood.

#3

Music

Music has more than enough firepower under it's sleeve to feed into ardent emotions as well as lighten the mood when needed. We generate real time suggestions based on user's mood.

#4

Blogs

Recommending appropriate blog-posts to best serve the user based on his/her current mood.

#5

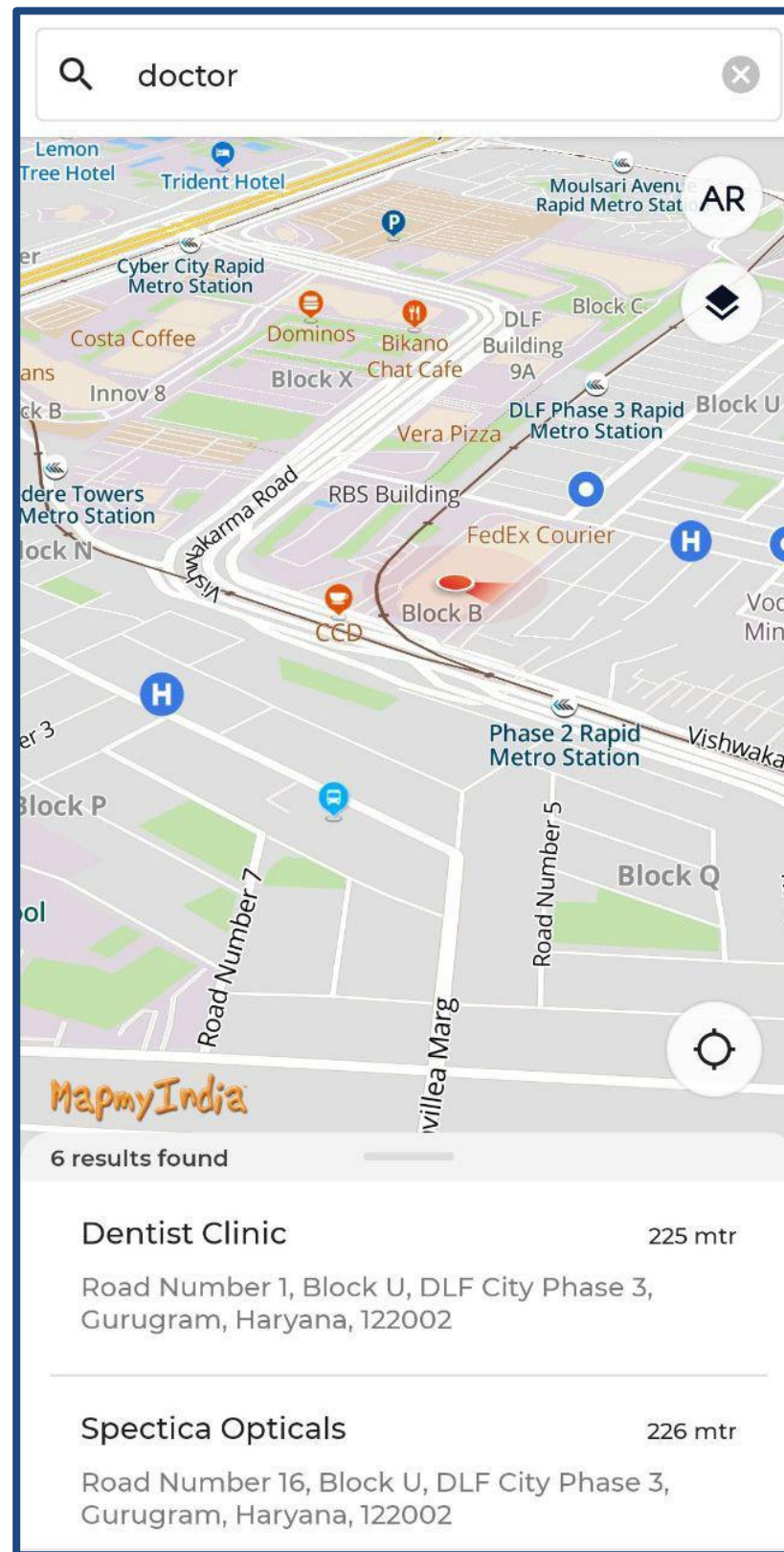
Books

Real-time books recommendations based on current evaluation of user's mood.



Long term solution

precautionary measures



#1

Bridge

Platform to connect to specialists

- anonymous chat to tackle the taboo.
- suggesting nearby counselors / psychiatrists.

#2

Community

Providing a platform for people having similar issues to interact with.

Moodify Open Channel

Online Users:

- UserA
- UserB
- Specialist
- UserD

days. Couldn't sleep well.

Specialist: Something happened about which you felt bad?

UserD: I just got my end semester results

Type Message:

enter message

Send

Clear Chat

Stakeholders

Getting *Moodify* to market

Customer



Stakeholders

Getting **Moodify** to market

Doctors and counsellors

'They travel hours to see a doctor for a minute': India's mental health crisis

With fewer than two psychiatrists for every 100,000 people, experts are seeking innovative solutions to address the emergency

Customer



Stakeholders

Getting Moodify to market

Doctors and counsellors

'They travel hours to see a doctor for a minute': India's mental health crisis

With fewer than two psychiatrists for every 100,000 people, experts are seeking innovative solutions to address the emergency

Government

District Mental Health Programme - bring mental health care to the **rural** and **disadvantaged** sections of society. **Currently**, there are more than **40 mental hospitals running in different parts** of the country that work towards the welfare and treatment of people with mental disorders.

Union Minister Chaudhary, Govt spends Rs. 545 cr on mental health awareness initiatives

Customer



Stakeholders

Getting **Moodify** to market

Doctors and counsellors

'They travel hours to see a doctor for a minute': India's mental health crisis

With fewer than two psychiatrists for every 100,000 people, experts are seeking innovative solutions to address the emergency

Government

District Mental Health Programme - bring mental health care to the **rural** and **disadvantaged** sections of society. **Currently**, there are more than **40 mental hospitals running in different parts** of the country that work towards the welfare and treatment of people with mental disorders.

mental health awareness initiatives

Customer

Companies

These will be the buzziest trends in work benefits in 2020, experts say

Microsoft Program of the 4-day workweek in Japan



Stakeholders

Getting **Moodify** to market

Doctors and counsellors

'They travel hours to see a doctor for a minute': India's mental health crisis

With fewer than two psychiatrists for every 100,000 people, experts are seeking innovative solutions to address the emergency

Government

District Mental Health Programme - bring mental health care to the **rural** and **disadvantaged** sections of society. **Currently**, there are more than **40 mental hospitals running in different parts** of the country that work towards the welfare and treatment of people with mental disorders.

mental health awareness initiatives

Customer

Companies

These will be the buzziest trends in work benefits in 2020, experts say

Microsoft Program of the 4-day workweek in Japan

NGOs

Skill India scheme - no policy exists for training counsellors

NGOs-special initiatives-**implementing models** to combat alcoholism, depression and other problems, in addition to **training people** to work in the field of **mental health**.

Sangath, a Goa-based NGO, has started a **programme** which **trains lay psychologists to help people**.



Future Work

Trusted Doctors:

- suggest specialists around.
- profile sharing with specific doctors only.

Cohort creation:

- family/friends to be grouped.
- Share important insights about each other.

Data Enrichment:

- Fitness bands
- Sleep trackers

Concise continuous report

generation to be shared with specialists upon approval by user.

Data Analysis:

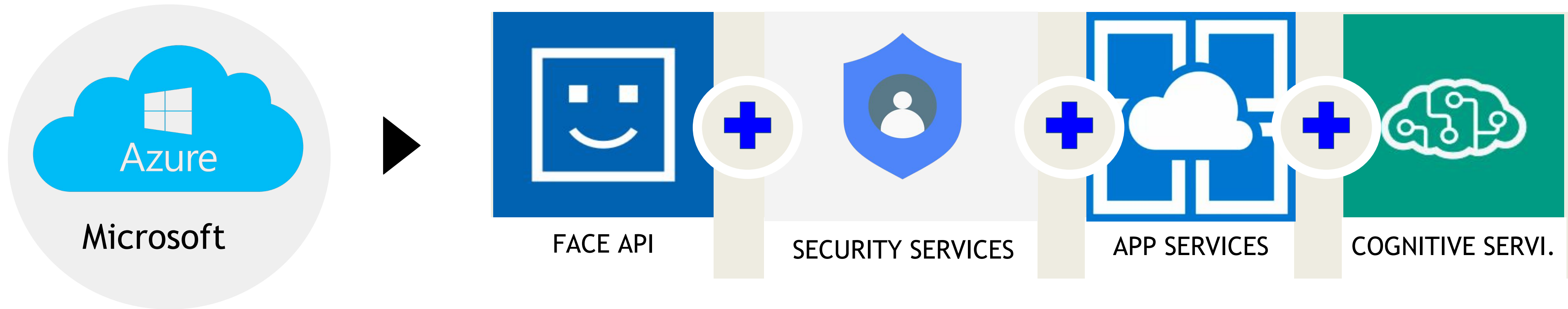
- Government
- private companies

Chatbot:

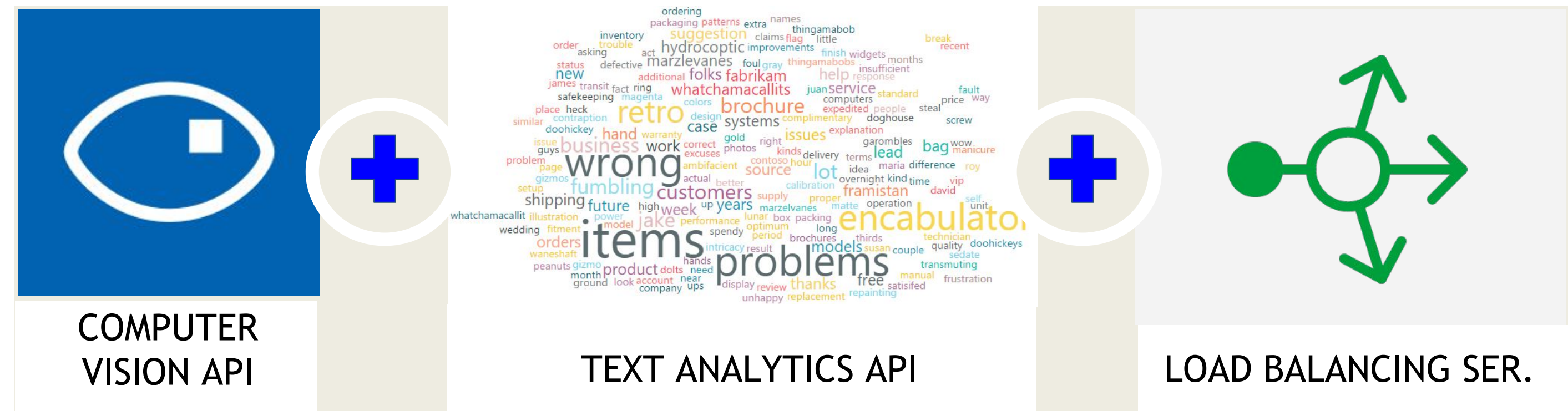
- learn from doctor patient interactions.
- cut down basic conversation time.



Technology Stack



AND



lots more...





Moodify
mental health matters

Open for questions!!