



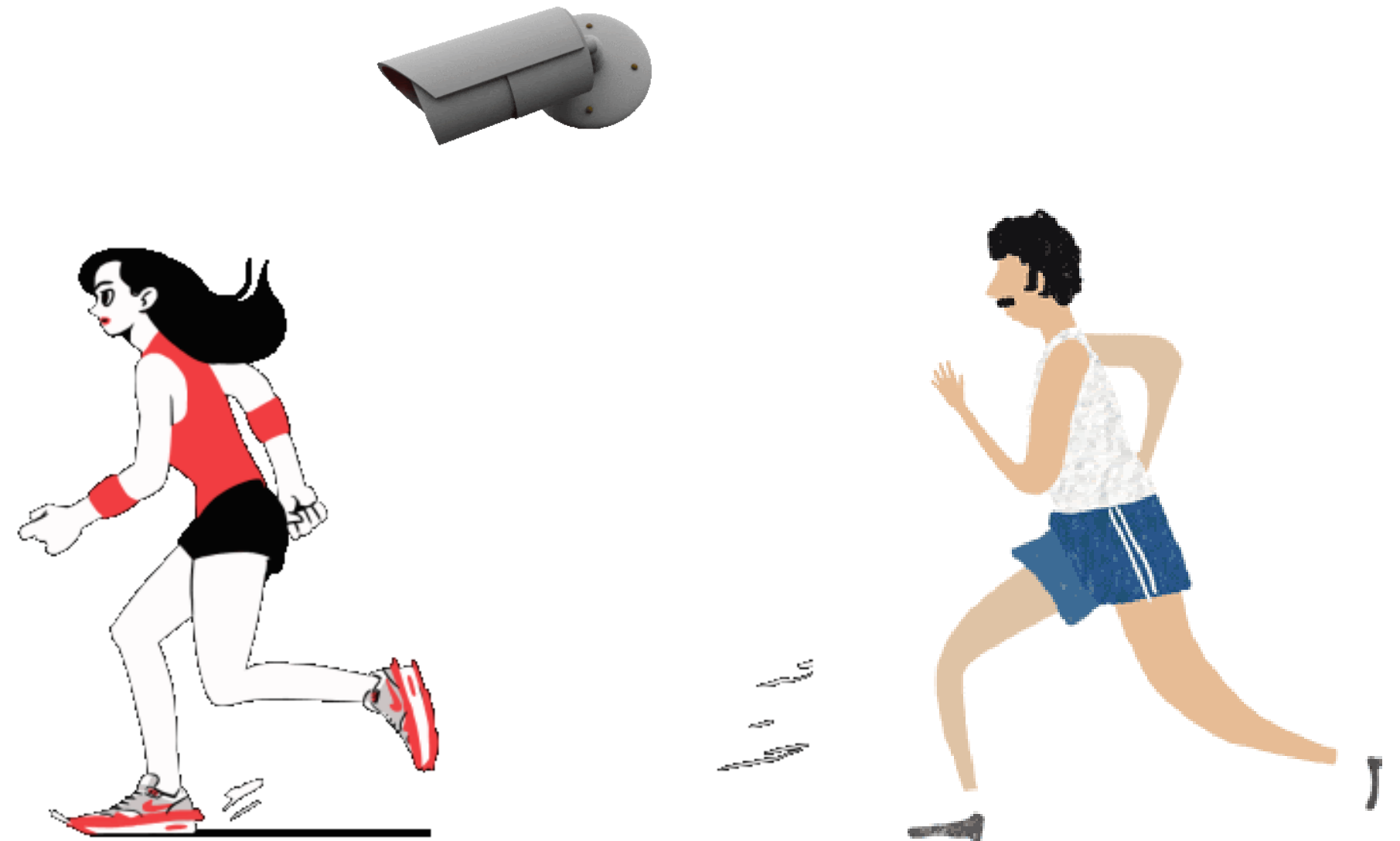
# Problem Statement by: Government of India

Use case for Upcoming 5G Technology



Let's talk about  
women's safety.

► ► ► **Team Name**  
**Nokia 3310**



# Problem needs to be solved.



## ► Problem 1

India was ranked first and named the world's most dangerous country for women in 2018. And according to stats a girl is being raped in every 20 minutes.

## ► Problem 2

More than 90% cases about women rape, lost under the files due to society fear or lack of authority.

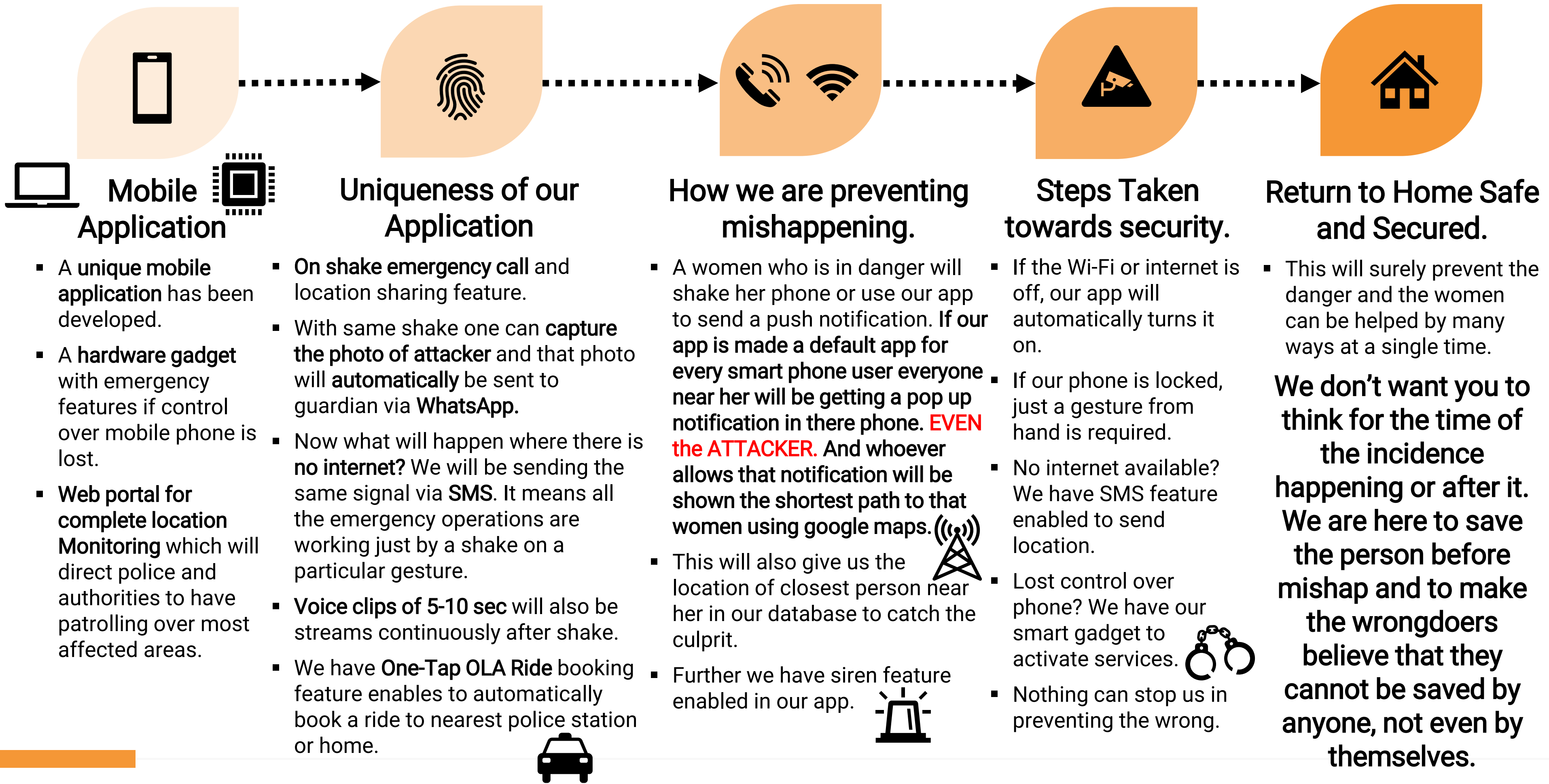
## ► Problem 3

Lack of Self Defense tools and Quick Access to them using latest technologies.

## ► Problem 4

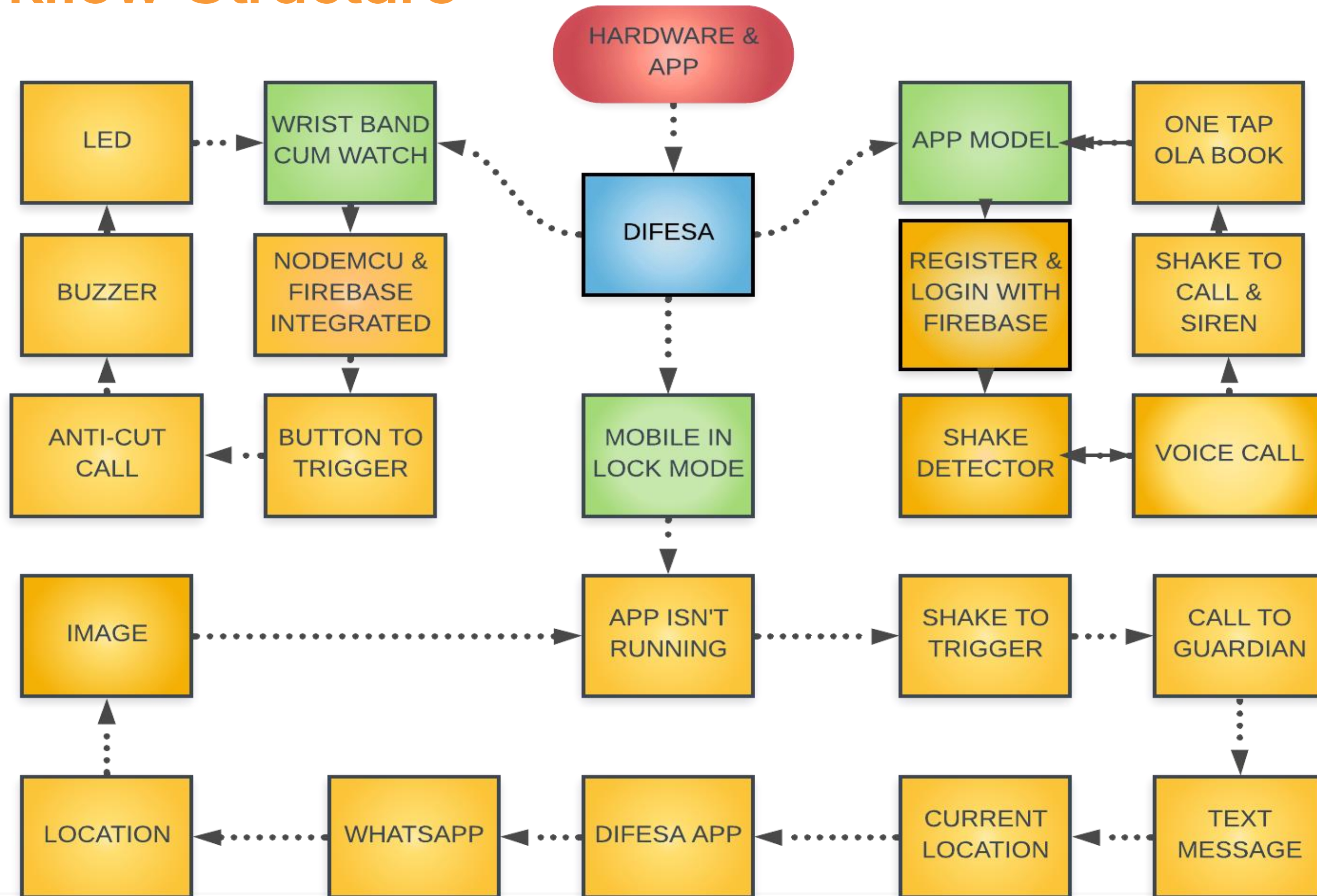
Lack of awareness and fear of punishment among the wrong doers.

# Solution and Approach



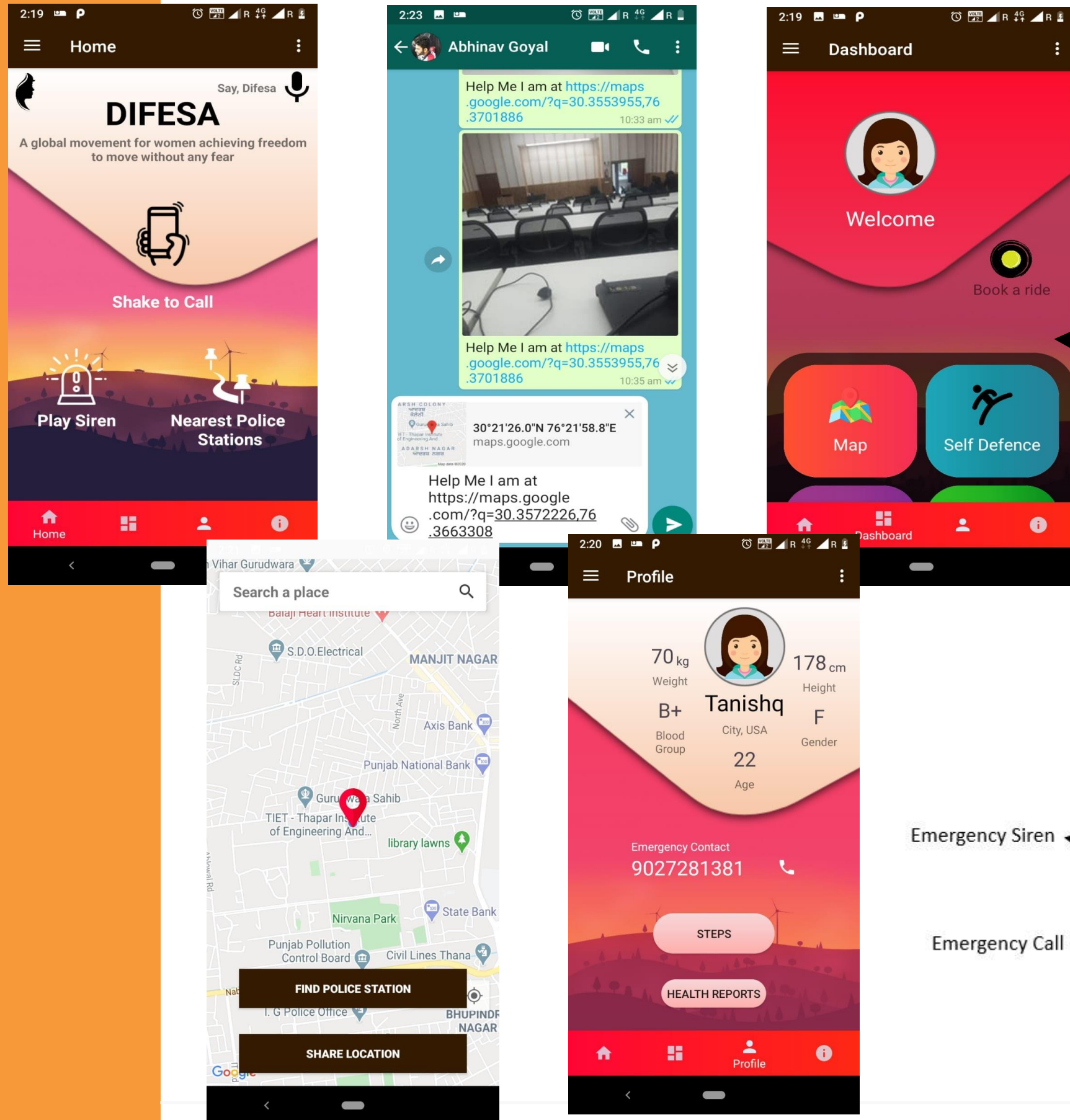


# Workflow Structure





# Screenshots



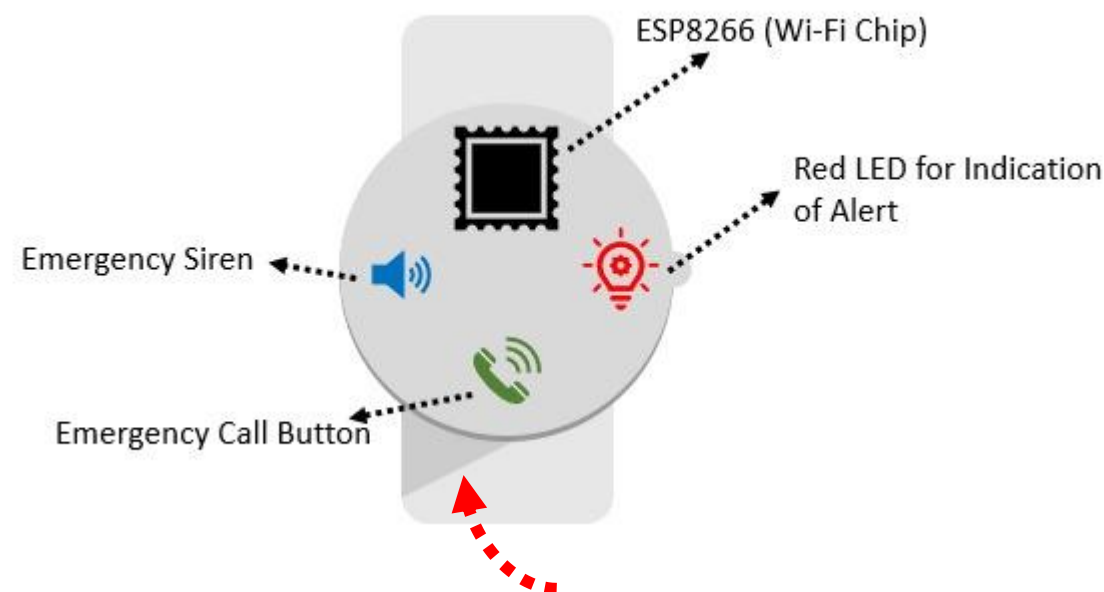
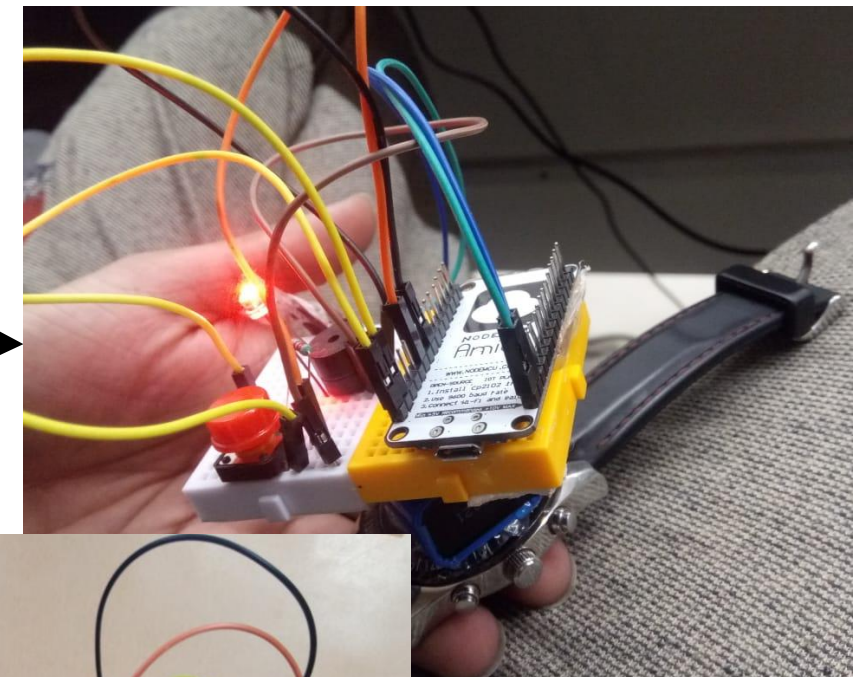
# How 5G will help?

- Faster Network and Internet speed will make our device work faster.
- Access to cloud and database will be fast.
- Better connectivity and reach to people.
- Public Networks will be faster and police stations and hospitals can access our portal in much more efficient way.
- Nearby people will get notifications earlier.
- Audio and Video Clips can be Streamed easily.

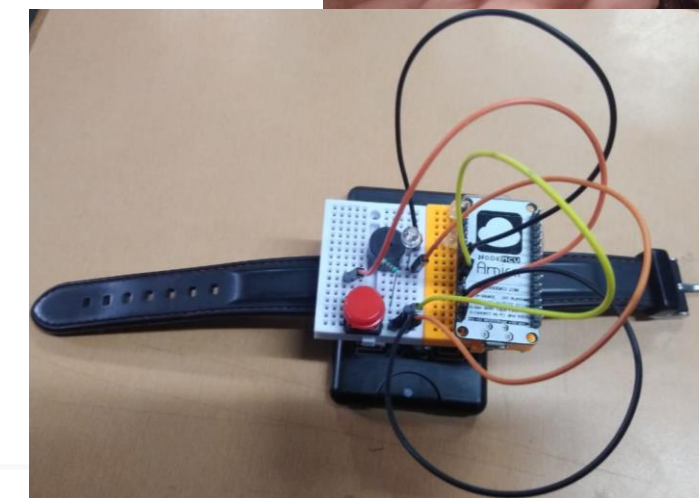


Mobile Application

Smart Band



Gadget Schematic



# Product Development Plan

## Development of Web Portal

Complete Web Portal will be developed for police stations to keep a check on the most affected areas and localities..

## Prototype Development of Hardware

Prototype of Smart Safety Gadget is also being made and in in proper working condition. New changes are being performed for betterment.

## Mobile Application Development

Mobile Application is being developed will all the novel emergency features and many other features (such as live video clips streaming) will be added.

**03****04**

## Syncing of App, Web And Hardware

All three Mobile App, Web App portal and Hardware devices will be synced together to our database for complete functioning.

## Production Level Hardware Design

At this stage Hardware will be converted to production based design keeping aesthetics and form factor in mind to keep it efficient and usable.

## Testing of Complete Product

Final Testing of product will be done before launch to check all the functionalities and bugs(if any).

**01****02****05****06**

## Product Development Complete

Product is ready to bring into market to prevent any mishap related to our women. Keep them safe and make our country and people proud.





# Business Model

We will be giving free access of our Mobile Application because it's a social cause and it needs to be monitored primarily and in the most effective way. But we can generate revenue and our maintenance cost from our hardware gadgets and Smart Android Watches and Gear Integration Application.

## Smart Gadget (₹199)

- A Wrist Watch or a wrist band.
- Wi-Fi enabled.
- Buzzer.
- Emergency Call Button
- App Integrated
- Can be provided with pepper Sprays.
- Variant 1 is designed for classes with low financial background. ₹200 is quite affordable.
- Our product will be manufactured approximately for ₹110 and we can generate profit of about ₹80-90/piece.

## Attachment (₹399)

- Attachment for present analog and digital watches.
- Wi-Fi Enabled.
- Emergency Button.
- App Integrated.
- Variant 2 is designed for most people of the society.
- The product will be manufactured approximately for ₹200 to ₹250. We can generate a profit of ₹200 to ₹ 150 per piece, which can be used for development of society.
- **Since this variant has the potential of maximum sale, hence we will try to extract maximum profit from this product.**

## App for Android Watches (₹999)

- Advanced App for Smart Watches presently in Market.
- Will be enabled with all the necessary emergency features.
- One-Time Subscription.
- Variant 3 is premium product designed for people already having smart watches..
- This is just an app for watches and will only cost cloud charges. So for these users, this price is quite affordable.

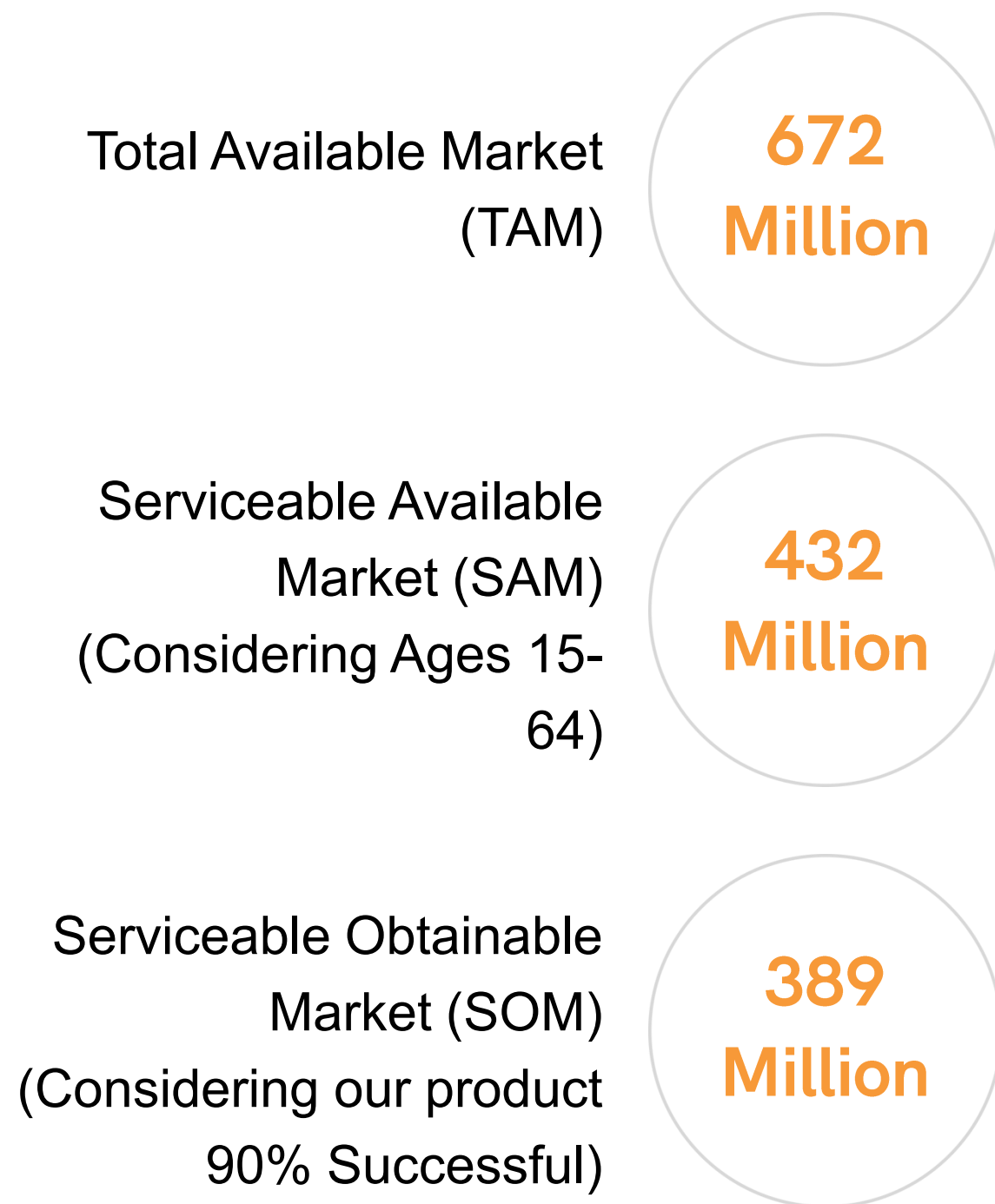
**Note :** Concept of Psychological Pricing is being used here for better marketing.





# Marketing Strategy

## Size the Market



## Time to Market

This needs to be deployed as early as possible. According to the statistics, there is one women raped in every 20 minutes. We need to curb these practices in India and let our sisters live in peace and without any fear.

We are almost ready with out App to be deployed. Just need some mentorship and finishing.

We aim to make this app a **default application** in every phone so that there is no way out to for wrong doers to think about touching anyone without their consent.

# No means, NO







# Timing

We need to **enter as soon as possible**. This cancer needs to be eradicated from the society as soon as possible.

No one has ever made this **efficient technology** and with this number of features to provide safety. We are not here just to catch attacker, we are here to **defend the mishap** and catch the thinker of performing this. We need to **vanish this from our society**

## Current Stage of Development

- Mobile Application UI is completed
- Working over video clips streaming.
- Database is almost ready. (Just Need Finishing)
- Web Portal UI is designed and working over backend.
- Prototype of Hardware is completed.

# Milestones

## Hardware and Mobile App Development

Almost Completed

## Testing of features with our mentors.

16<sup>th</sup> May 2020 – 15<sup>th</sup> June 2020

## Gadget will be designed for production after proper feedbacks

16<sup>th</sup> June 2020 – 15<sup>th</sup> July 2020

## Final Testing of our Product

16<sup>th</sup> July 2020 – 15<sup>th</sup> October 2020

## Marketing and Distribution of our Product

15<sup>th</sup> October Onwards.....

**It's Time to count on our morals and make this country the best place to live in. No Fear, No Tears.**



# The Team



## Utkrisht Agrawal

- IoT Expert (Hardware)
- Cloud and Alexa



## Tanishq Bhalla

- Android Developer
- Firebase Expert



## Abhinav Goyal

- Full Stack Web Developer
- Blockchain Geek

# Technology Stack and Dependencies



**Arduino**  
Microcontroller for  
Software interfacing with  
Hardware



**WhatsApp**  
For Sending  
Notification to user



**ESP8266**  
NodeMCU Wi-Fi Chip  
for Device to  
communicate.



**Android Studio**  
Mobile App Development  
for Better User Interface



**WordPress**  
Web User Interface  
Development



**OLA**  
One Tap Ride  
Booking Feature



**Firebase**  
For Application and Web  
Backend and Database  
Management



**PubNub**  
Interfacing NodeMCU  
with Notification



**Voiceflow**  
Hardware Integration of  
Amazon Alexa and  
Google Actions



**Google Maps API**  
For detection of nearest  
Vaccination Centre and  
Child Care Hospitals.



**Django**  
Backend Framework for  
our Web Portal.

