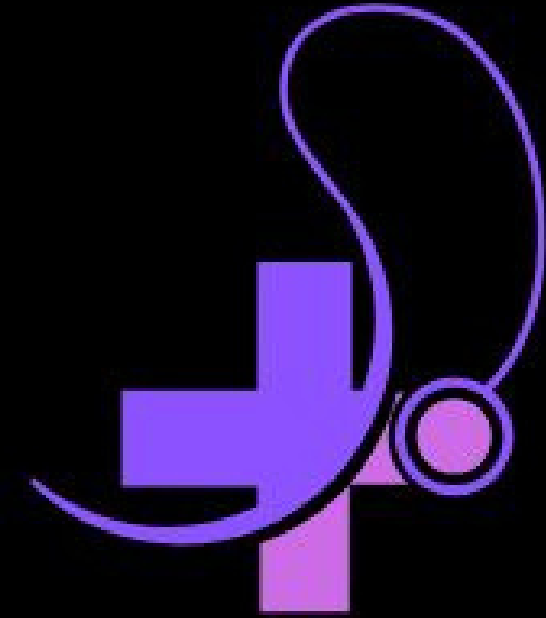


Team: X Æ A-12

Presents you:-

Ur rescue on the move :)



mymedibuddy

FAMILY DOCTOR

Problem Statement

In the movie Passengers (2016), AutoDoc, an automated medical diagnostics and treatment pod is the equipment which is ready-to-use at all times. Needless to say, the machine is extremely powerful, capable of remedying some basic ailments and injuries in a matter of minutes. AutoDoc could be used for diagnosis and surgery for emergency situations but it would be the best medical innovation if it can be used for all types of situations without any limitations. How would you go about implementing the concept of an AutoDoc in real-life that could be useful for our industries and markets?

Our Idea

We can all agree that medical assistance is a basic need for everyone
But however harsh it may sound, we can all also agree that people have even lost their lives and their loved ones due to delays in getting basic medical assistance.
But we plan on changing that.

To make this happen we plan to provide our clients with 2 services-:

- A health kit will always be at a 10-minute travel distance in metropolitan cities and majorly populated regions.
- The other service is an application, which can be downloaded on most the devices

But it can be put to its best of its use when downloading in mobiles and smartwatches.

**“ I FAIL TO SEE HOW
YOU FAIL TO SEE THAT
THIS IS
AWESOME ! ”**

-BIG HERO 6

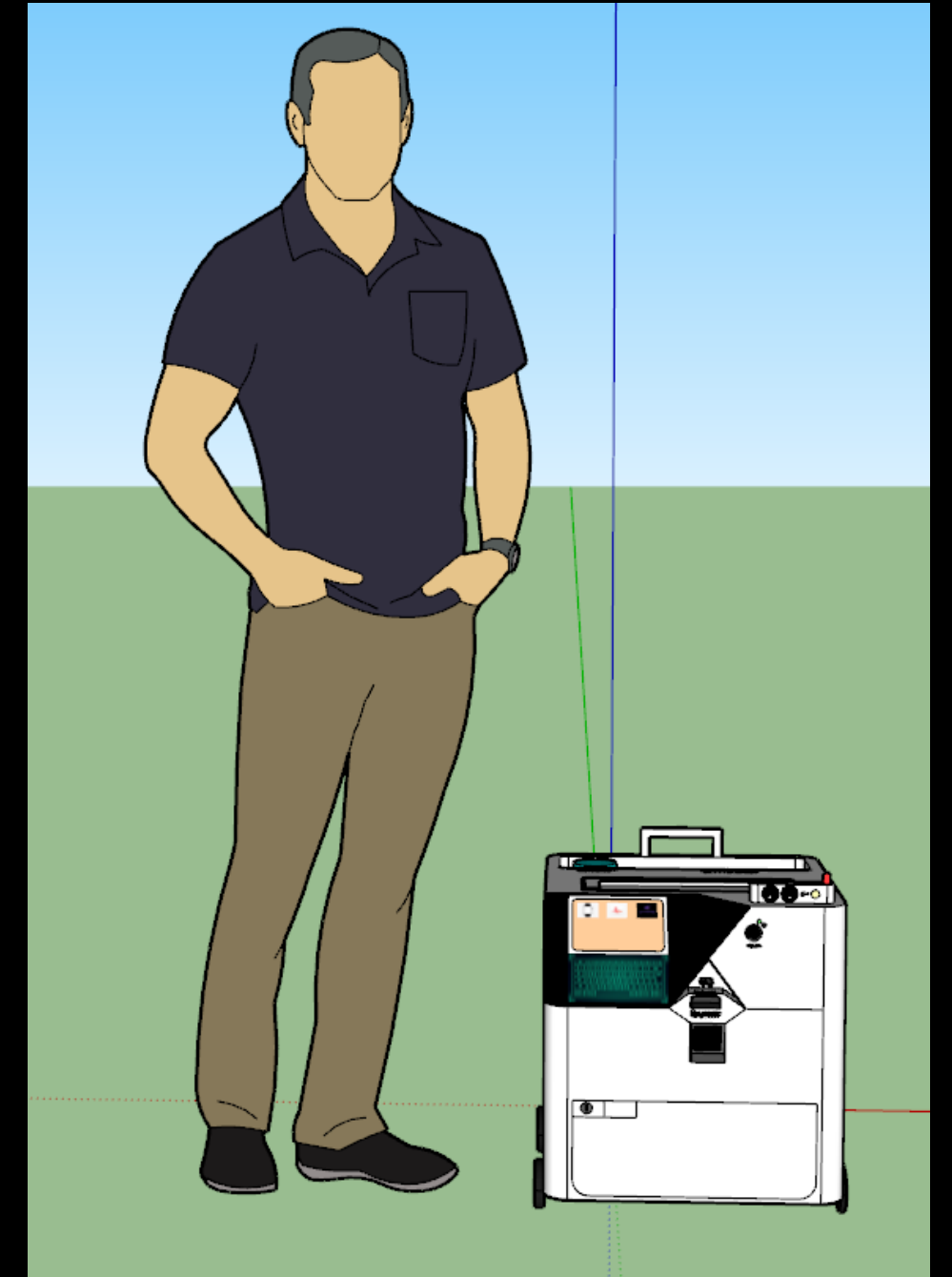
let me help you out
in understanding :)

MyMedibot

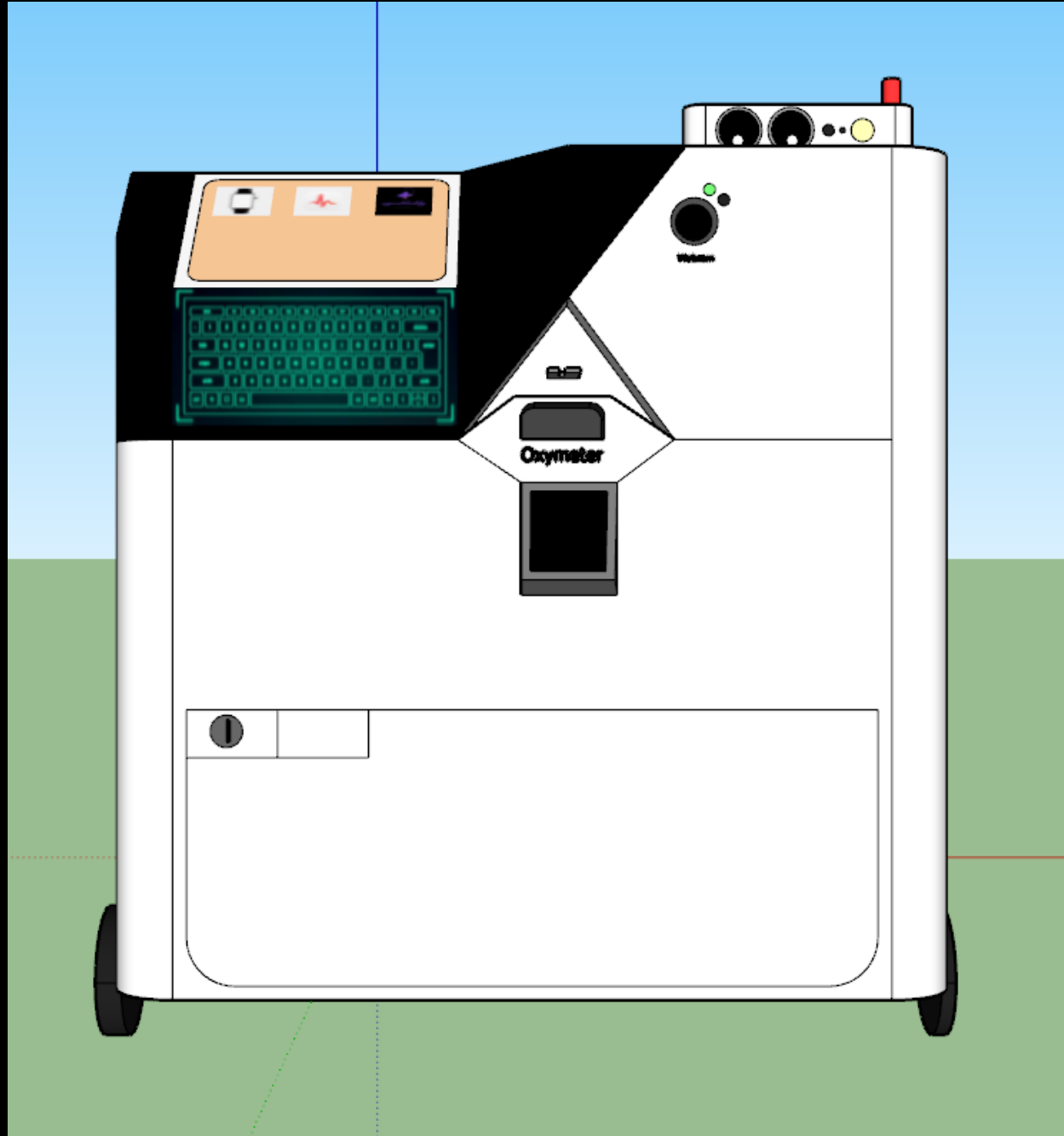
- MyMedibot is a portable emergency medical support provider which provides you with all the basic medical supplies.
- A stand-by doctor on call is always available who analyzes the situation through the available webcam.
- Our MyMedibot goes through the medical history of the person and provides vital information to the doctor like blood group, previous medical history, etc.
- It then runs it across all data that are stored in the database to provide a quick & accurate analysis of the problem.
- The patient's medical history is also automatically sent to the designated doctor to provide further assistance.

when we say our device is both compactable and portable with all the features
this is what we mean:-

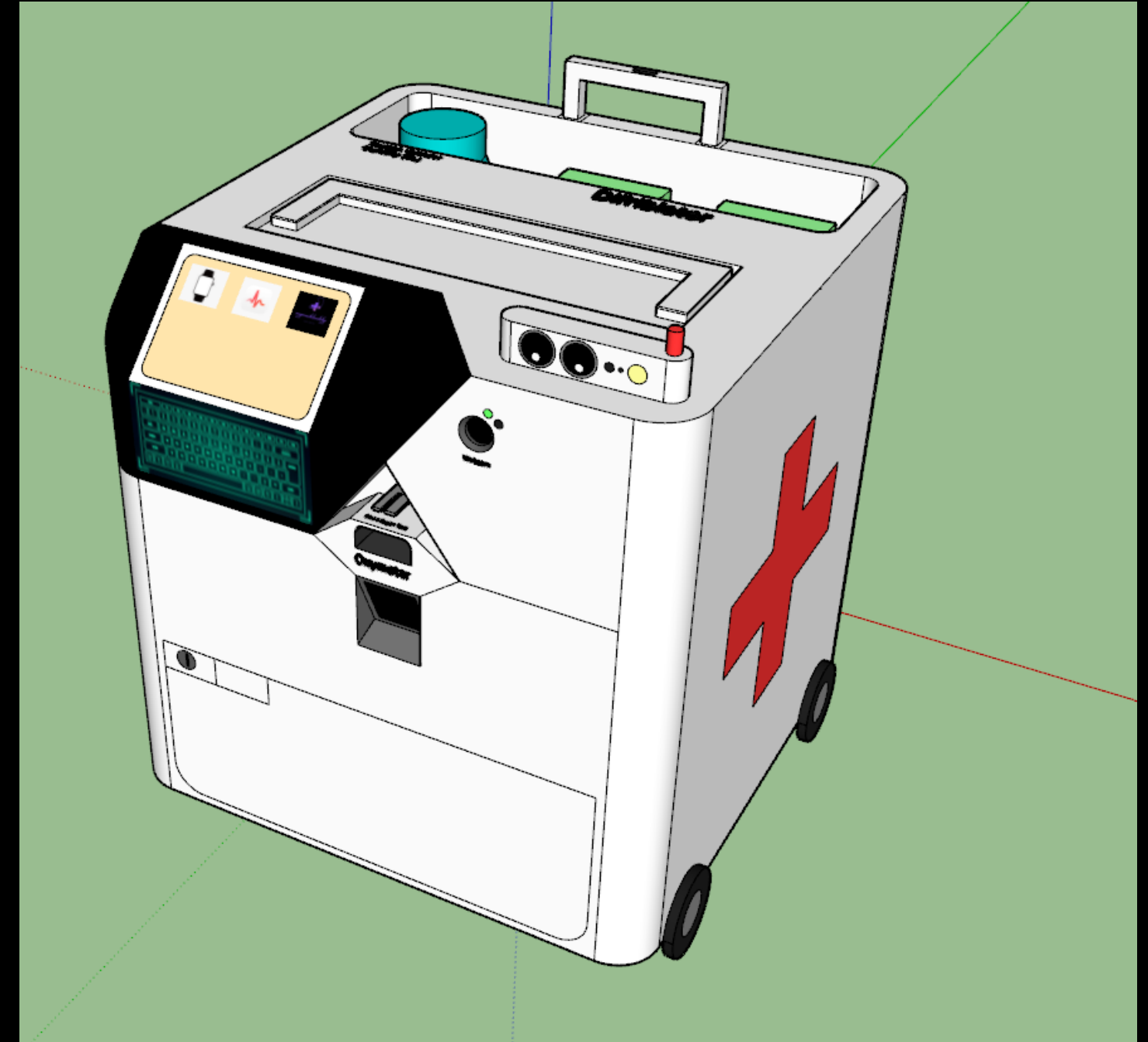
A 2.5*2.5 ft
polycarbonate bot



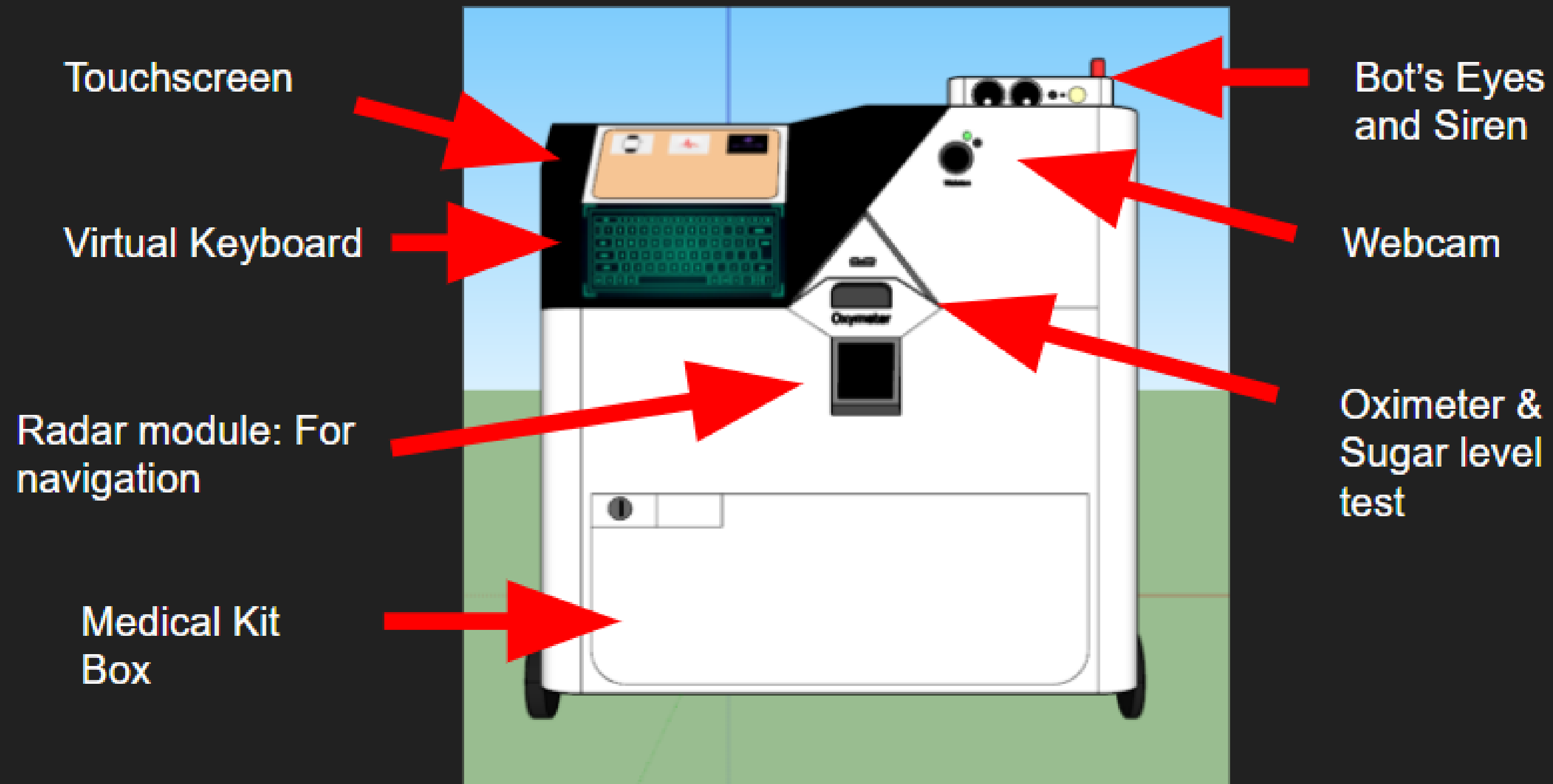
3D Model of MyMedibot



3



Parts of the MyMedibot



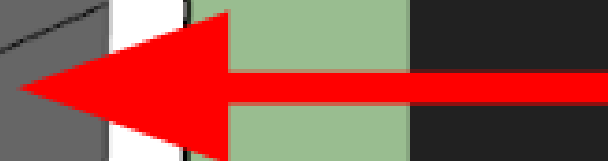
Oxygen
Cylinder



Oxygen Cylinder
Capacity (SL)

Defibrillator

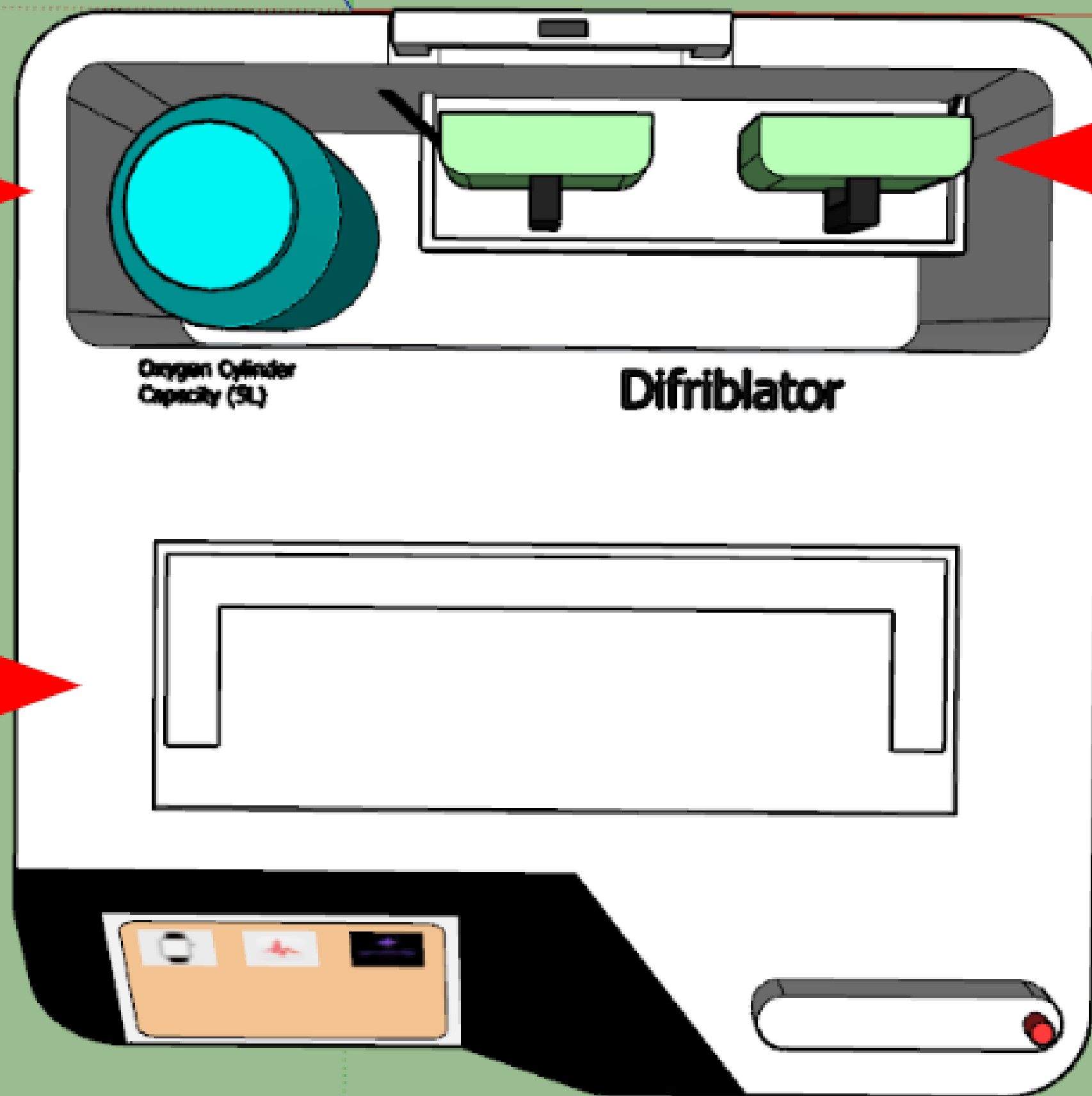
Defibrillator



Handle



Siren



NOT EVERY MEDICAL
PROBLEM IS AN
EMERGENCY!!!

THAT DOES NOT MEAN IT CAN BE NEGLECTED
FOR SUCH SITUATIONS WE NEED AN EVEN MORE ACCESSIBLE
AND EASILY AVAILABLE SOLUTION,

which we will be solving by providing a application
specially designed to assist in these general situations.

MyMedibuddy

MyMediBuddy just like it sounds it's your buddy for all your medical queries and emergencies.

MyMedibuddy was developed keeping in mind the latest developments in the medical as well as technological sectors some of them being fall detection and heart rate monitoring softwares,

The tracking software available in the app is developed in such a way that it could pinpoint your location even in low signal regions and can be set up to send the location to your family emergency contacts in case of any emergency.

one of the amazing features MyMedibuddy holds is that it provides ur designated doctor your medical history so that the hospital could be ready for u in emergency situations.

- our application also provides a key feature which provides our clients access to our database which helps them to get diagnostics for common diseases based on the symptoms experienced by the patient.
- This database works on AI&ML so as the number of cases handled by our database increase its accuracy for giving the right diagnostic increases with it.

A taste of our database:-

| DISEASE | MEDICINE |
|----------------|--|
| ALLERGIES | ALLEGRA TABLET - 1 TAB 3 TIMES A DAY FOR 5 DAYS |
| ASTHAMA | INHALED CORTICOSTEROID - QVAR REDHALER TO BE INHALED AS AND WHEN NEEDED |
| BRONCHITIS | AUGMENTIN TABLET - 1 TAB 3 TIMES A DAY FOR 5 DAYS |
| COLD AND FLU | SINAREST TABLET - 1 TAB 3 TIMES A DAY FOR 5 DAYS |
| CONJUNCTIVITIS | TOBACIN EYE DROPS - THRICE A DAY FOR 3 DAYS |
| DIARRHEA | ORAL REHYDRATION SOLUTION - AT REGULAR INTERVAL OF TIME FOR FOR 3-5 DAYS |
| HEADACHE | CROCIN PAIN RELIEF - 1 TABLET TWICE A DAY FOR 1 DAY |
| INTESTINAL GAS | PAN D TABLET - 1 TABLET TWICE A DAY FOR 3 DAYS |

| SYMPTOMS | Diseases | PROBLEM_AREA |
|--------------------------|----------------|--------------|
| PUFFY EYES | ALLERGIES | EYES |
| SNEEZING | ALLERGIES | NOSE |
| INFLAMED THROAT | ALLERGIES | THROAT |
| EYE IRRITATION | ALLERGIES | EYES |
| ITCHY NOSE | ALLERGIES | NOSE |
| SKIN RASHES | ALLERGIES | SKIN |
| VOMITING | ALLERGIES | ABDOMEN |
| INDIGESTION | ALLERGIES | ABDOMEN |
| EYE INFECTION | CONJUNCTIVITIS | EYES |
| REDNESS IN EYE | CONJUNCTIVITIS | EYES |
| ITCHING IN EYE | CONJUNCTIVITIS | EYES |
| BURNING SENSATION IN EYE | CONJUNCTIVITIS | EYES |
| PUS IN EYE | CONJUNCTIVITIS | EYES |
| WATERY STOOLS | DIARRHEA | ABDOMEN |
| LOOSE STOOLS | DIARRHEA | ABDOMEN |
| BLOATING | DIARRHEA | ABDOMEN |
| FREQUENT BOWEL MOVEMENTS | DIARRHEA | ABDOMEN |
| CRAMPS IN ABDOMEN | DIARRHEA | ABDOMEN |
| PAIN IN ABDOMEN | DIARRHEA | ABDOMEN |
| PAIN IN FOREHEAD | HEADACHE | HEAD |
| BLOATING | INTESTINAL GAS | ABDOMEN |
| PAIN IN ABDOMEN | INTESTINAL GAS | ABDOMEN |
| FLATULENCE | INTESTINAL GAS | ABDOMEN |
| CRAMPS IN ABDOMEN | INTESTINAL GAS | ABDOMEN |
| WHEEZING | ASTHAMA | CHEST |
| DIFFICULTY IN BREATHING | ASTHAMA | CHEST |
| TIGHTNESS IN CHEST | ASTHAMA | CHEST |
| COUGH | BRONCHITIS | THROAT |
| INFLAMATION IN LUNGS | BRONCHITIS | CHEST |
| YELLOW-GREY MUCOUS | BRONCHITIS | CHEST |
| COUGH | ASTHAMA | THROAT |
| COUGH | COLD AND FLU | THROAT |
| FATIGUE | COLD AND FLU | BODY |
| FEVER | COLD AND FLU | BODY |
| RUNNY NOSE | COLD AND FLU | NOSE |
| SNEEZING | COLD AND FLU | NOSE |
| SORE THROAT | COLD AND FLU | THROAT |

Target Audience

- General Public: The bot can be purchased or leased out on the basis of requirements of the clients, senior citizens who're alone or living away from their children can get the bot which can help them in case of an emergency.
- During Medical Emergencies: During emergencies, the MyMedibot can provide immediate aid to the person , MyMedibot reaches the emergency site under 10 min.
- Assistance for doctors and healthcare personnel, by providing them with similar medical cases to cross reference and provide an even more accurate treatment.

To speed up the application of our project in real life
we have collaborated with ABHM
(AYUSHMAN BHARAT DIGITAL MISSION)
So that we could provide our clients with an even
faster and efficient service.

AYUSHMAN BHARAT DIGITAL MISSION

Ayushman Bharat Health Account (ABHA) Number is a hassle-free method of accessing and sharing your health records digitally. It enables your interaction with participating healthcare providers, and allows you to receive your digital lab reports, prescriptions and diagnosis seamlessly from verified healthcare professionals and health service providers.

INCORPORATION OF ABHM

- When the MyMedibot reaches the emergency situation, the personnel available inputs their aadhar number or ABHA number (if the person already has it).
- It takes the patient's medical history from the ABHA server and provides the hospital with the required information and run along the data collected by mymedibot during the emergency situation.