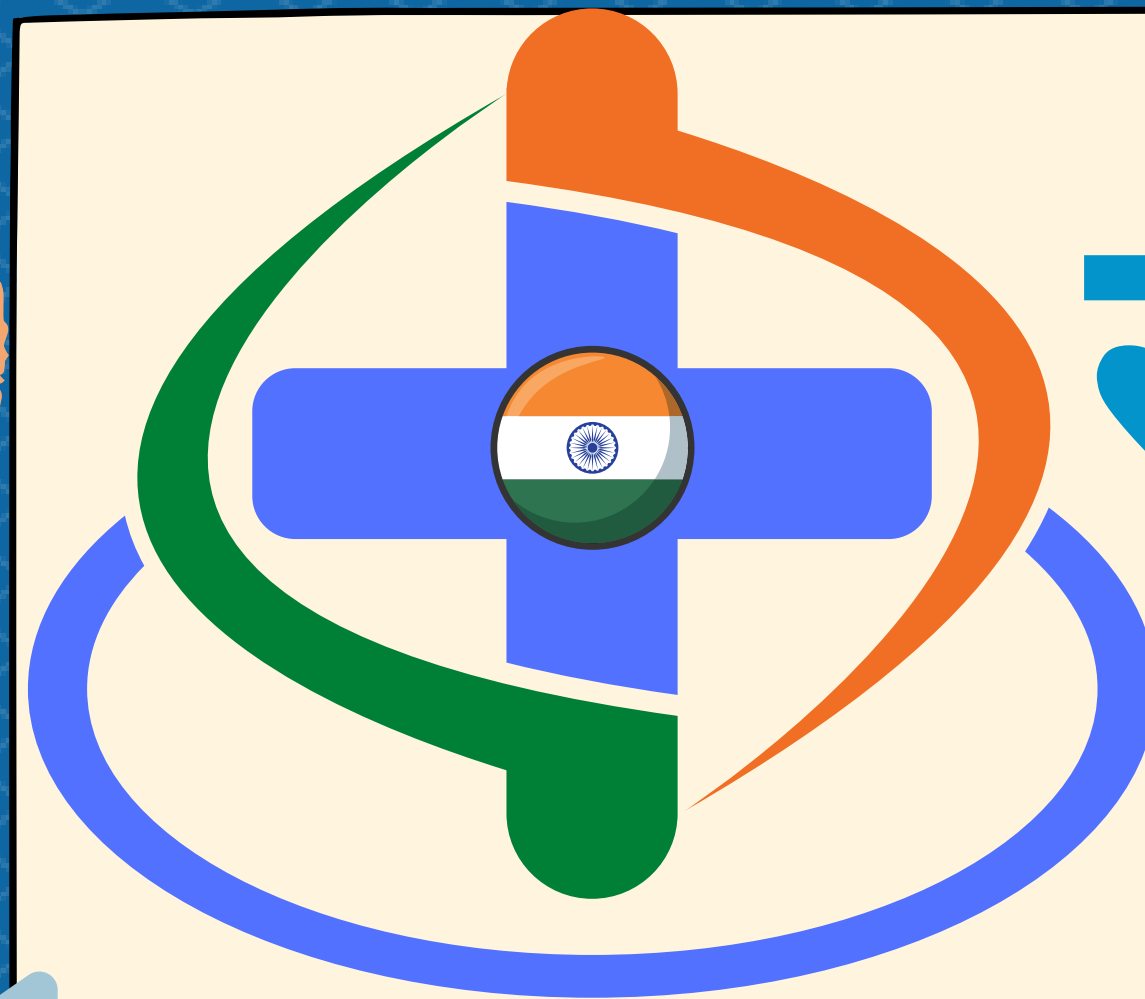# TEAM BASIC V
SIH 2022

सुगम

स्वस्थ भारत
विकसित प्रयास

Problem Statement: Insufficient medical support system and remote villages in hill areas.
Category: Software
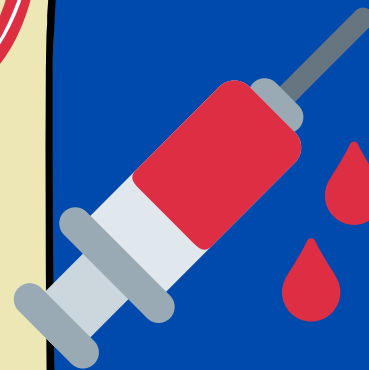**PS Number:** ST890
Domain Bucket: Robotics and Drones

Problem of Medical Support

In the last two decades, young people have migrated away from remote rural hamlets in hilly, forested or desert areas such that a majority of those who remain in the villages are women and elders.

Peple here face illiteracy, malnutrition, severe shortage of doctors and health support system which make them more vulnerable to disease.

Several factors contribute to this, including a lack of awareness about the measures needed to protect their health, the distance from medical facilities, the lack of all-weather roads and affordable transportation, financial constraints, etc.

OUR THIRD GOAL

People commonly report ailments from malaria, pneumonia, respiratory disorders, snake and scorpion bites, diarrhea and fever.
A solution is sought to solve the problem of medical awareness ,checkup and support.

PRESENTING
सुगम
स्वस्थ भारत के लिए एक विकसित प्रयास

Healthcare platform that connects patients to healthcare providers around their area and helps people make better healthcare decisions and advice.

From finding the healthcare provider to booking an appointment, online doctor consultation, getting their tests done and even ordering medicines and getting it delivered to them by drones.

सुगम

स्वस्थ भारत - विकसित प्रयास

स्वस्थ भारत के लिए एक विकसित प्रयास

What would you like to do today ?

Consult
Doctors Online
250 Off on 1st Consultation

Consult
Doctors Online
250 Off on 1st Consultation

ncy   Tue Mar 15 2022

LEAVE

Stream Id

Know More

Book a video
appointment

Send an
SOS/Emergency

Order a
Prescription

Emergencies

Booked
Appointments

Created
Appointment

Multiple Language
Support
on different
Platforms

TECHNOLOGY STACK

Front end- ReactJS , Tailwind CSS ,GPS based MapBox, Redux

Back end- NodeJS, Express , MongoDB, PeerJS, Socket.io ,Firebase Authorisation

Blockchain-Based IPFS file storage

Machine learning Based symptoms Prediction

Video/voice consultation with healthcare experts and certified professionals using peerjs or similar library. Video quality should be adjustable to enable easier connection in hilly and remote areas with slower internet speeds and lack of broadband connectivity.

Option to schedule appointments or request for doctor appointment in a given time window for less severe cases.
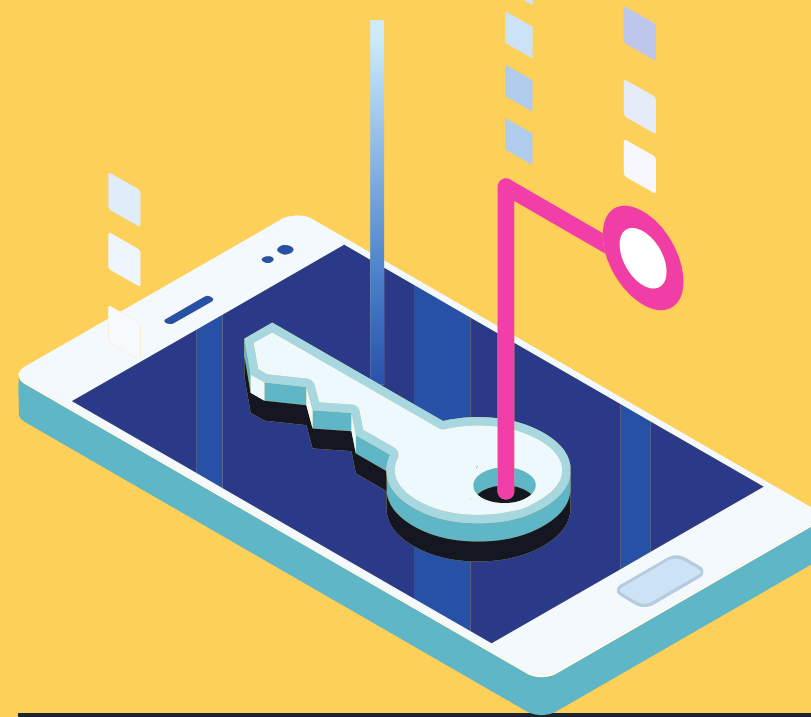
Option to urgently ask for SOS or emergency medical care and priority basis dispersal of required emergency services by nearest healthcare provider or doctor or NGOs.

Feautres :

Separate login for patients, doctors and healthcare workers. Login may use Firebase google login or manual email login or phone number based login.
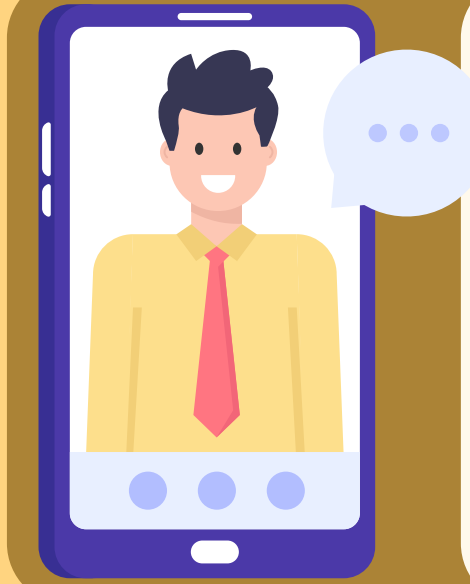
Ability to securely store patient data on the server using some form of encryption, with the patient being able to provide and revoke access to medical records.

Live location tracking of Patient On Map and Drone path tracing between drop point / landing zones in remote areas.
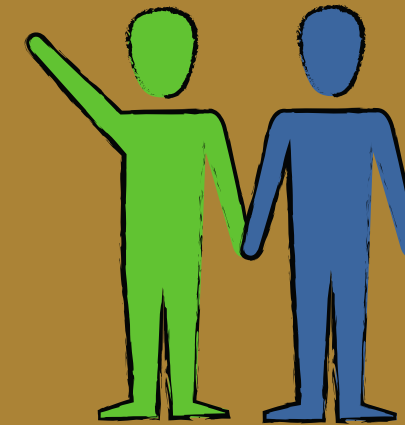
FEATURES

DUAL (HINDI / ENGLISH) LANGUAGE SUPPORT WITH LESS GRAPHICAL USER INTERFACE WITH AMPLE USE OF SYMBOLS
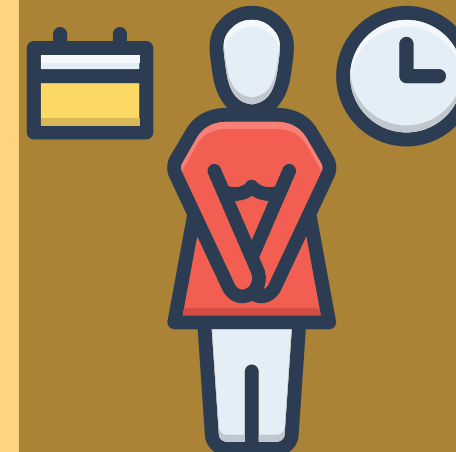
SOCKET.IO BASED CHAT FOR PATIENT TO DOCTOR CONVERSATION IN REALTIME. CHAT SHOULD BE SAFE AND SECURE FROM A PATIENT PRIVACY POINT OF VIEW.

RESOURCE OR MANPOWER POOLING SERVICES BASED ON NEED

MEDICAL PRESCRIPTION CREATION FEATURE FOR DOCTORS. ABILITY TO SCAN PRESCRIPTION AND UPLOAD IN PDF OR IMAGE FORMAT FOR PATIENTS AS WELL.

FEATURE FOR KEEPING TRACK OF PERIODS AND MONTHLY CHANGES THAT CAN AID FAMILY PLANNING, PREGNANCY PREVENTION AND GENERAL HEALTHCARE FOR WOMEN

THANK YOU!

Our Team wishes best of luck to fellow
Participants.
We hope to have more such events in the
future !