

Operation Susrutha

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Introduction

(Following text is copied from [wikipedia](#))

Susruta is a surgeon and lecturer in Ayurveda . BC A 6th century saint, he was born in Varanasi. His most famous work is the Sushruta Samhita written in Vedic Sanskrit. Diseases and their remedies are extensively written in this Sushruta Samhita. How many other countries in the world have successfully performed surgery in India before the eyes of Apra Dhanvantari Shushrutu who saved lives.

Mission statement

Single point Agenda:

Operation Susrutha is a **non-profit**, no plan to earn money as part of this effort at least for the next 2 years, project to help fight any health related issues in India by taking advantage of “digital adoption” effectively & efficiently, i.e., Every Indian citizen has a right to avail medical care, irrespective of the disease or condition they’re in, reach out & avail health care from anywhere in the world by destroying physical boundaries or reachability through the use of technology.

Why should we pursue this initiative?

- One of the key/important information to be aware of, in this unprecedented CoVid environment/unknown & slightly scary future, is to “**know or have a way to identify where to go to when there is a health problem**”.
 - It doesn't matter whether it's the case of CoVid or general health issues, for example: a person can have fever, weakness & some other symptoms. This doesn't mean it is CoVid so not all the hospitals take in-patients.
 - I've heard so many disturbing instances, one of the instance that I would like to share with everyone:
 - A person was taken to 18 different hospitals before finding a 19th hospital that could admit him but unfortunately he passed away within 10 minutes of getting admitted into that 19th hospital.
- Indian government lacks the technical talent/support, someone who can plan, execute & achieve the goals irrespective of the conditions & environment.

Indian Population research

- Total Indian population: **138 crore** (1.38 billion)
- As per statistics in this [link](#)
 - **56 crore** (560 million) Indians are using the internet
 - Growth estimation: **63 crore** (630 million) by **2023**.
- As per statistics in this [link](#)
 - current rural population using Internet: **26 crore** (264 million)
 - Growth estimation: **30.4 crore** (304 million) by end of 2020
 - Total Indian population Growth estimation: **64 crore** (639 million) by end of 2020

Competition analysis/research

App Name	User count	Capabilities	Cons
Aarogya Sethu	14.54 crore	- adoption rate: 10% of the population - launched 3 months ago so there is a possibility of integration into it.	- not possible to find a hospital - misconceptions & misunderstandings about CoVid are not being addressed
Practo	5M+ downloads, 4.2 rating & 107k reviews	- lot of features like finding a hospital, doctor, booking an appointment, voice & video call are available	- couldn't find the current place i live in hyderabad - not possible to do a general search - not all existing doctors in hospitals are visible in the website
Search for "Hospital Finder" apps in Google Playstore	1k+ users, 4.5 rating & ~30 reviews		- Apps are not adopted by the users for whatever reason
Covid 19 app for Andhra Pradesh state developed by the AP government	100k+ downloads, 4.1 rating & 1k reviews	- live updates on statistics - lot of useful features - toll free number - IVRS for non-smart Phone users - Ability to request a Test - hospital info district wise	- half baked app even though UI & ease of use is good - lot of room for improvement

Who is the target audience?

Every Indian citizen is a target audience as part of the larger scope of the project. We can divided the Indian population into 2 categories:

1. People with access to the Internet, i.e., **56 crore**
2. Ones who doesn't have access to the Internet, i.e., **81 crore**

In the short term (2 months time) we should aim for capturing **0.001% of 56 crore ~ 5 Lakh** Indian citizens but the design should be very flexible such that it can be expanded to at **least upto 100 crore** people.

What are we trying to achieve?

Identify various problems in the current Indian society, pick one problem that is solvable through technology in 2-3 months & solve it.

Short Term Goals

1. Initiate improving the existing process of fighting CoVid19 from Hyderabad (population: **10 Lakh** people) & Vijayawada (population: **2 Lakh** people) in the next 3 months.

Medium Term Goals

1. Initiate improving the existing process of fighting from Telangana & Andhra Pradesh by Jan 1, 2021 - Feb 31, 2021

Functional Requirements

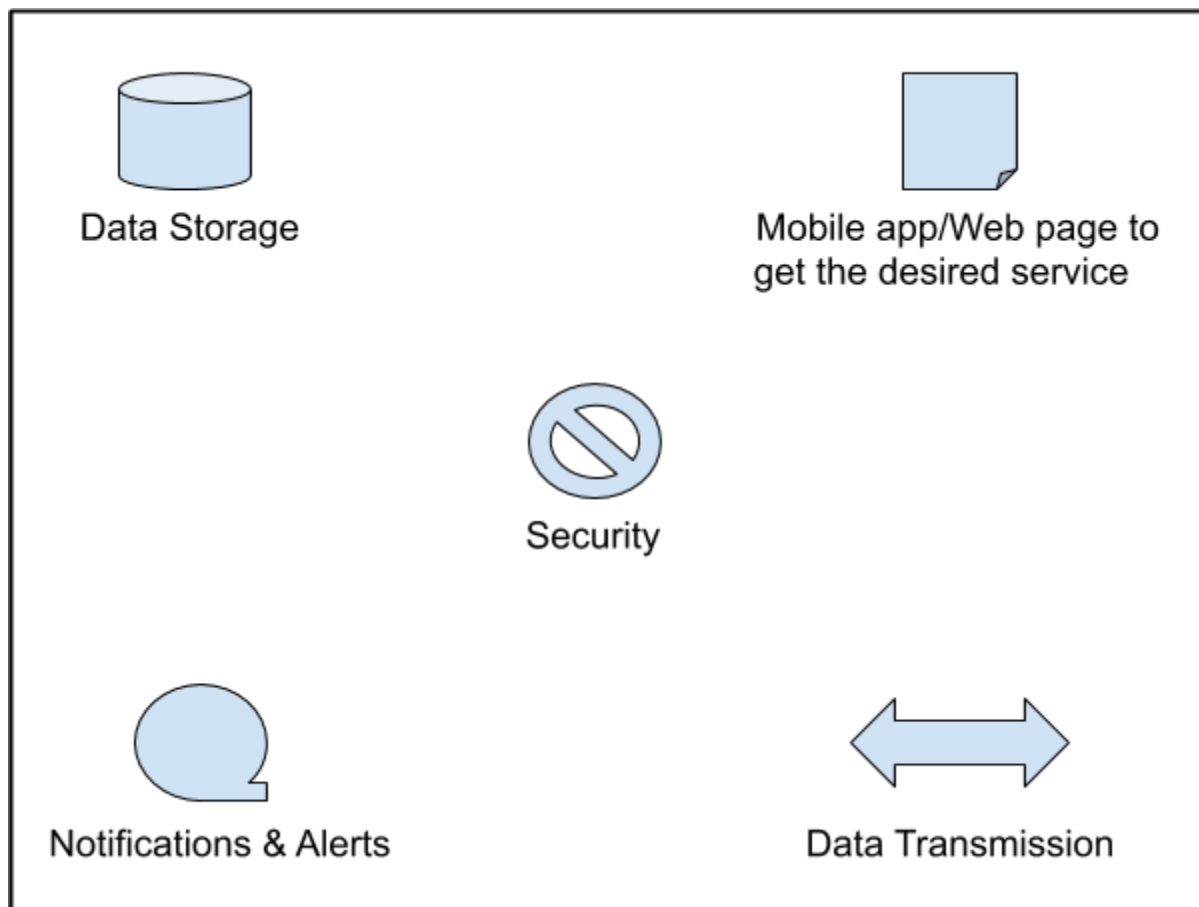
Design a highly scalable & effective app that will help with various medical care needs. Following are some of the features that should be present in this app:

1. Ability to search for which hospital may be the best possible place where beds & medical care would be available.
 - a. Starting with for CoVid19
 - i. Testing
 - ii. Treatment

2. A searchable page/view with basics of CoVid19, i.e., what are known facts with a proof of research or reference links & what are the misconceptions in the society in an easily consumable manner, i.e., brief, precise & to the point.
3. A way of connecting with remote doctors from various countries in the world through Email/Text/Video Call.
 - a. Under this subtree there will be a portal to update the patient's condition:
 - i. Current symptoms
 - ii. Health history
 - iii. Medication/Steps followed so far

Design Requirements

Majority of the apps would contain following modules or functional pieces:



There will be some guidelines that need to be followed from health regulations, app development, how apps will be used & etc... Along with following guidelines there needs to be a feedback loop/system to improve/maintain the effectiveness & ease of use.