# Identifying Pandemic Disease Infected Person's using GPS and Aadhar Link

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Abstract: The main objective of this application is to help society. In Today's world all countries are suffering from the pandemic disease COVID-19, through this application user can get an alert sound if they became contact near to the infected persons with in the particular area. If user get registered within this application having some rights, If any problems occur on the road, like the peoples may be unconscious or want to get hospitalize and any other hassles occurred, or peoples having high fever and any other symptoms regarding the virus, or infected peoples comes contacts near to society or near disinfected peoples, the app gives alerts sounds, so that it helps to captured the image of that infected persons, after capturing the image it save the locations in this applications and also the person who witnesses can capture the image of the infected person and upload within this application. Police and ambulance will get notified about incidents through SMS. Police reach the location by using Google MAP. So that it can reduce the spreading of virus the target user of this application is the public who need to hospitalize. So, it is a social application and also helps police station and ambulance and hospitals to get the required information on few clicks. The goal of this application is to find the people who are infected by sending their picture to circulate the message to the police or hospital immediately during the emergency hospitalized cases by identifying the person who are infected by using the biometric through the application to identify the particular address of the infected person.

Key Words: MAP, Notify, Aadhar, SMS, Pandemic.

#### 1. INTRODUCTION:

This Application is India's main pandemic disease infected persons contact tracking technology. The stated purpose of this app is to spread awareness of pandemic virus and to connect essential pandemic virus related health services to the people of India. An increasing number of covid19 patients in all countries are caused by numerous factors; containment zones, hotspots, and red zones, which are some of the major causes. When a person infected or having symptoms in any other public places or above mentioned zones if people are observing them also they are not going to inform the hospital or any police station, during this case our application helps to inform the emergency aspect of the police station and hospital by taking the picture of the infected person and it will send to the application by the other people from the spot of the mentioned zones, during that time SMS will send to the nearby police station and hospital with the GPS location of the spot. After visiting the spot by police or a doctor they can easily find out the infected persons personal address or phone number by using his biometric which is already stored in the aadhar database. So that it helps to track the primary and secondary contact persons by visiting their address. These records are stored on the phone till the time any user tests positive or declares symptoms of pandemic disease in a self-assessment survey in the app. In such cases, the records are uploaded to the servers. This application is an easy to use application for both the clients and police headquarters and hospital to help the people groups who are stuck in an unfortunate situation. This will spare part of time in for police to contact the people groups who are stuck in an unfortunate situation. On the off chance that any issues happen out and about like might be individual might be oblivious or need to get hospitalize and some other issues happened, the individual who witnesses can catch the picture of the episode occurred out and about and transfer inside our application. At that point when the picture is transferred by the client, that picture is sent to the closest police headquarters and hospital promptly and furthermore occurrence's area has been caught and spared its area through Google outline. Cops can see the rundown of pictures transferred by the client or stored infected person's details in this application. Police has expert to see just the caught picture of occurrence taken, also when police tap on the picture showed on the application, he will get the area address of the episode occurred in the region, so cops can go promptly to that area and can proceed with the further examination of the episode and attempt to illuminate the obstacle rapidly as could be expected under the circumstances. The Police will never get the points of interest of revealed individual data. As per the policy, "persons carrying out medical and administrative interventions necessary in relation to pandemic disease" will have access to the data.

## 2. EXISTING SYSTEM:

In current circumstances, at whatever point any issues or occurrences happens over the street/city or if any individual faces any trouble like may end up oblivious, or need to getting hospitalize and so forth. A man's witness's identity terrified of educating to the police due to terror factor this saw individual might be in a bad position. Now all

countries are suffering with the epidemic corona virus And also so many applications are developed to detect the infected persons in a smart way, but these are doesn't have a features of capture the picture of infected persons and pandemic is spreading very quickly until we cannot get any information's about the disease. Additionally will be in disarray, what to improve the situation the individual who is in a bad position. Ambulances and Police may not get finish, subtle elements of the episode occurred in an area. Police discovers trouble to achieve the casualty put due to deficient data and it requires parcel of investment and need to keep up information physically finished a book which is a dull activity and isn't securely taken care of.

#### 3. PROPOSED SYSTEM:

The proposed application will settle every one of the disadvantages of current issues. This approach will store and keep up whole information securely and safely. The saw individual can catch of the episode occurred in an area and transfer the picture inside the application, when transferred this picture, which is sent to the close-by police headquarters and hospital. The caught picture spared in the application comprises of the area address of that episode occurred through Google outline. This encourages police and hospital vehicle to track the occurrence where, when cops tap on caught picture will get consequently the area address so that can go to that place rapidly. In any case, police won't get points of interest of revealed people with the goal that saw individual won't be stuck in an unfortunate situation along with that sometimes it is difficult to find the person who or infected or death in unknown place or to identify the unknown person. Along with this system we are adding the Aadhar linking to identify that unknown person.

#### 3.1 Features and benefits:

- Individuals and authorities shall **remain informed** in case they have crossed paths with someone who has tested positive for disease.
- The app recommends several measures such as Self-Assessment Test, Social distancing, do's and don'ts.
- It informs about the **precautionary measures**.
- In case, a user is at **high risk**, the app will advise him/her to go for a **test** at a nearby **testing center**.
- The **helpline number** works 24x7
- The App tries to determine risk based on the **user's location**.
- The App also informs the user about the precautionary measures, and how to maintain social distancing in the times of **global pandemic**.
- The app is also equipped with a Chabot that answers all the basic questions on **pandemic disease**.
- The users can also find the helpline numbers for each **state in India**.

#### 4. RELATED WORK:

During this era every one going to depend on the internet and automation of things regarding to this we are going to give a proposal by sending automatic messages to the numbers and identifying the particular place through Google map which is called GPS [1-8]. Nowadays Aadhar is essential in India during the making of the Aadhar card our database along with the iris reorganization, thumb impression and some of our details like phone number and our permanent address is also saved, by using this Aadhar thumb impression which is called biometric [9-10]. When a person enters the thumb impression in the particular application that contains the Aadhar database it is very helpful to identify that unknown persons details and address so that we can track the persons primary and secondary contact easily.



Figure 1. GPS System



Figure 2. Thumb Impression

**Table1.** Global pandemics and epidemics:

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Name of the Disease/Virus	Description's
Novel Coronavirus (COVID-2019)	A virus transmitted from animals to humans. Symptoms include fever, tiredness, and dry cough. It has spread to more continents in just a few months and infected more than 7.5 Million people.
Cholera	Acute diarrhoeal disease. Deadly potential within hours if left untreated. Researchers estimate that every year, there is 1.3 to 4.0 million cases of cholera.
Crimean-Congo Haemorrhagic Fever	A virus that causes severe fever outbreaks. It has a fatality rate of up to 40%.
Influenza (pandemic)	A several viruses that cause respiratory infections and can spread quickly around the world. Countries try to mitigate their negative effects through a series of preventive measures.
MERS-CoV	Middle East Respiratory Syndrome is a viral respiratory illness first reported in Saudi Arabia. Symptoms include fever, cough and shortness of breath.
Nipah Virus Infection	A virus transmitted from animals to humans. Symptoms range from none to acute respiratory infection, and fatal encephalitis. Initial symptoms can include fever, headaches, myalgia, vomiting, and sore throat.
Plague	A disease manifested in several forms - bubonic, septicemia and pneumonic. Initially it looks like flu - starts with fever, chills, head and body-aches as well as weakness, vomiting, and nausea.
SARS	Severe Acute Respiratory Syndrome first originated in China in 2003. It is contagious disease that starts with high fever and can show headache, an overall feeling of discomfort, body aches, diarrhea, dry cough and pneumonia.
Zika Virus Disease	A viral infection caused by mosquitoes. Most patients are asymptomatic yet those who do develop symptoms experience fever, rash, conjunctivitis, muscle and joint pain, malaise or headache.

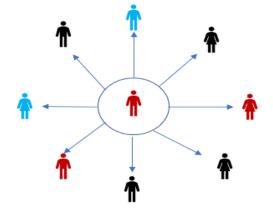






Figure 4. Smartphones

**Fig3.** Contact tracing aims to identify and alert people who have come into contact with a person infected with the virus.

**Fig4.** Smartphones can be used to quickly and automatically determine whether somebody has been in contact with an infected person and gives alerts messages if any symptoms found.



**Figure 5.** Identifying by alert

#### 5. CONCLUSION:

This Paper concludes that to provide solution for public to post the complaints to the police as well as hospitals without giving their information. The user can capture of the infected person's picture after getting an alter sound on their mobile by using this application happened on a locality or containment zones, hotspots, red zones and upload the image of that infected person within this application, when uploaded this image, which is sent to the nearby police station. The captured image saved in the application consists of the location address of that incident happened through Google map. This application helps the police to reach the incident place easily and quickly and it is helpful to identify the particular address of the injured person by using the biometric of the infected person. So that it is easy to track the primary and secondary contacted persons in less time.

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