The main idea of the project is killing the virus itself. Yes! You heard it right. You would get know how we are going to achieve this, by the end of this transcript.

The main and only problem with these kind of viruses is that, there is no vaccine ready and no one knows how long it would take to make a successful one. So only social distancing is the only solution to contain the virus. If we would have successful in identifying this in early stage, and implement lockdowns at these areas we would have successful in killing it completely with our immunity alone.

Looking back in history, Spanish flu has taken around 5 crore people all around the world. But we shouldn’t allow this COVID-19 to do that in this inter-connected world right now.

Now coming to the point. The decision that India took to lockdown the whole country, has done a great job in identifying persons with positive cases as well as suspects who might have this with help of contact tracing. And because of this lockdown, we all are confined only to our locations. It helped to identify pinpointedly where these positive cases as well as suspects being located. Now, the main problem is these people got dispersed all over the country. It wouldn’t be the case if all those are confined at only one place. And we know countries like India where population density is high, complete self-quarantine is not possible for every one neither it is possible for the whole family to lock itself down.

The main question is how to involve technology in handling this epidemic? Hence the idea of our project is identifying the exact locations of these victims as well as suspects using GPS of the mobile. This could be done by local authorities, going to the location where it had been identified and updating it through our android application. Using this exact location of identification, we cluster these coordinates and propose lock-down places according in order to contain the virus. So that rest of India can involve in its economic activities.

And for any outliers, suggesting the nearest or feasible quarantine to reduce the spread in their environment. In this way we can ensure lockdown in specified areas where the cases are densely populated, and rest of India may involve in economic activities without any issue. And as soon as any new case got identified, trace the situation and send them to the nearest feasible quarantine. We help people to identify these lockdown areas and restrict them in moving into these zones through this android application highlighting the lockdown zone.

In future as well, if any contagious outbreak is observed at any place, we can alert the people around them to make it end then and there itself.

This will not only help our government, but also other governments in the world to reduce the effect of this virus close to zero. Using which we can handle any pandemic in future soon they are identified.

Now let’s quickly go through the outcomes of our project.

We are more than happy to hand it to the government to take this project and help us in scaling it up as soon as possible. This would ensure us, to fight with this COVID 19 with unity and with intellectual knowledge. And tell all those microbes in the microbial world that we Humans are no more fear any dangers out there.

**Objective:** To end this current epidemic and handle future epidemic at the very beginning itself with help of idea of Social distancing. And helping the government to identify epidemic locations and cluster them to implement lockdowns and rest of the country can do its economic activities.

**Implementation:** A clustering algorithm works in the background and provides the data to the android application and it shows the lockdown areas to the users and suggest places to lockdown for the governments. And the application also helps the users in providing necessary updates regarding the epidemic. And give suggestions and necessary precautions to avoid it spreading.

**Motive:** We don’t know how long it take to make the right drug that would kill the virus. Not at least for couple of years after encountering the epidemic. So, we should be alert from the beginning and kill it with our own immunity by locking down those areas where it is observed. It should be handled before the patients travel to other places. So social distancing is must in these cases.

In simple words, we can't expect what the dangers out there and we are not always ready with necessary treatment. In these type of condition, to kill the virus only social distancing is the only weapon.

**Output Expecting:** An android application suggesting the user the necessary measures to be taken for that current pandemic. In the background in the cloud running an machine learning algorithm to cluster the positive cases and suspects using latitude and longitude coordinates involving technology to identify them. Also, user has the option to test himself providing the symptoms and travel history. (Only Government or authorized persons only can update patient details).

**Applications:**

(i) Ending future Epidemics as well

(ii) Bringing awareness among people how to handle the situation without panicking them.

(iii) Integrated application for both government and people to handle these kinds of epidemics in future as well.

(iv) Available to integrate with any kind of API to help people to handle situation like finding the feasible quarantine area from OYO hotels etc.

(An completely integrated application to handle these kind of situations)

**Idea after campaign is over:** Handing the application to the government to scale it up making it available in all native languages and use it for future of mankind in ending epidemics. It not only helps our government, but also all governments of the world to handle the situation.

**Note:** In case of COVID, this lockdown has successfully helped the government in tracing exact locations of the positive cases as well as suspects as no one is able to roam around. Making use of this, if we able to suggest lockdown places as soon as possible and implement it, then rest of India can have its economic activities happening with no issue.

In this way we can end these kinds of diseases with immunity itself with little bit of intellectual knowledge gained so far as humans (By using technology). And tell the microbial world that **we humans wont fear with the dangers that microbial world has got. And we can kill any of them staying united and with our intellect.**