Facilitate the eTechCare to Protect and to Take Care of People from COVID-19 Pandemic

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Abstract - *As a citizen, many people are facing the problems during the pandemic of COVID-19. Therefore to overcome this problem every citizen has their responsibility to save their life first. Hence the current situation demands that by maintaining physical distance each and everyone should have to use modern technology so that everyone will get self-quarantine. This project involves the different modules which help the government to find the hotspot of COVID-19 by connecting the medicals to this project, and every pharmacist will give the information that how many people per day purchasing the medicine related to symptoms having COVID -19. As the problem begins when having COVID-19 positive people travelling through different areas and when there is need of getting information about travelling history of people is essential, resultant there is a lack of this information. This project gives the information of travelling history of a person to the government using GPS technology. As no of COVID-19 patients get increasing day by day and resultant there is manually loaded on staff of hospital and police. Through this project by providing a module for volunteering the interested people can enthusiastically approach the government for volunteering. Through this project the NGO's, Farmers and people are connected, the NGO can buy the vegetables in large amounts from farmers, and will take the food-orders from that senior-citizen who can't even cook the food in their home during the lockdown.*

Key Words: **COVID-19, Pandemic, Modern technology, CoronaVirus, Quarantine, Government Fight Corona, Health, etc.**

1. INTRODUCTION

Human history is observing a very strange time fighting an invisible enemy; the novel COVID-19 corona virus pandemic are large-scale outbreaks of infectious disease that can greatly increase morbidity and mortality over a wide geographic area and cause significant economic, social, and political disruption.[1] Because of COVID-19 It is get affecting on economical factor. [2] To support the government it is necessary to gather all people in one single platform. This project involves different modules so that by using this we can control the current pandemic situation. The senior citizens having the background of other diseases like blood pressure and diabetes have more terrible chances to face the COVID-19. [3] By using this module any person can take the online counselling of a doctor related to disease. So that the physical distance will be maintained. [4] If people are less contacted a crowd then there is don't need to increase the health care centre.[5] Now in the current situation, it is the only way to keep ourselves in the discipline by using the modern technology.[6] If we want to win the battle against the COVID-19 then people must have to keep the physical distancing. [7]

1.1 Notification Module

This project involves the Notification module where the people who are stuck in lockdown and if in any emergency they want to go outside related to any issue then by using this module they can contact the police. There is one other option where any person in his/her region who is detected that if people have suspected symptoms of Covid-19 then he can contact the administrator (police) through message. Resultant government will get information of all suspected COVID-19 patients. If people facing any problem related to medical and they want medical facilities then they can contact the police for also in this emergency. By using this module any person can take the online counselling of a doctor related to disease. So that the physical distance will be maintained.
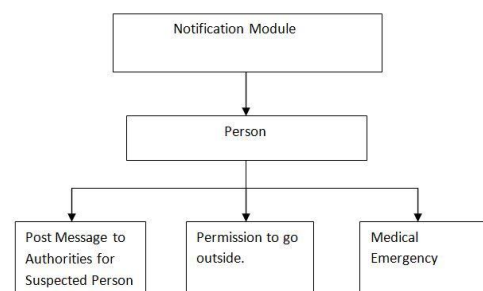

Fig -1: Notification Module

1.2 Travelling Record

This module is named Travelling Record which includes the solution regarding travelling history of people. As the problem begins when having COVID-19 positive people travelling through different areas and when

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there is need of getting information about travelling history of people is essential, resultant there is a lack of this information. This project gives the information of travelling history of a person to the government using GPS technology. Resultant this module will help to break the chain of COVID-19.
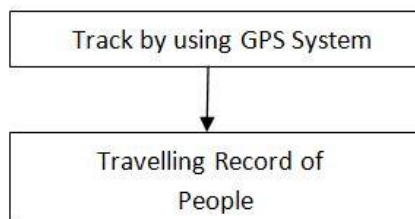

Fig -2: Travelling Record

1.3 Economical Balance

Agriculture is the backbone of the Indian economy that contributes to the overall economic growth of the country and determines the standard of life for more than 50% of the Indian population. Therefore it is necessary to take care of farmers. In this Module the NGOs, Farmer and people are getting connected, The NGO can buy the vegetables in large amount from farmers, where a farmer will update their availability of vegetables daily so that NGOs and food distributors will take the food- orders from those aged people who can't even cook the food in their home during the lockdown. So that the farmers will get benefit in terms of money and no one will strive without food.

1.4 Medical System

In this Module, the Medical System helps the government to find the hotspot of COVID-19 by connecting the medicals and government to a single platform. Each pharmacist will keep the record of each customer with respect to their medicines. Each pharmacist will generate one report after analysis and give the information on how many people per day purchase the medicine related to symptoms having COVID -19. Also Medicine sharing among different medical services will be possible.
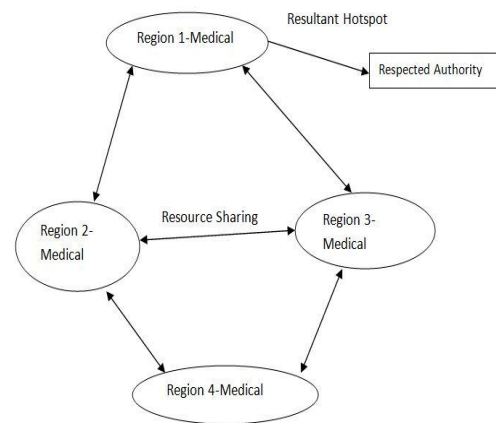

Fig -3: Medical System

1.5 Crowd Detection

Though after the lockdown of COVID-19 It is essential to take care of ourselves and to keep physical distance to break the chain of COVID-19. So through this module people will also get an option where they can track the live crowd in public places.

1.6 Platform for Volunteering

As no of COVID-19 patients get increasing day by day and resultant there manually load on staff of hospital and police. By providing a platform for volunteering the interested people can enthusiastically approach the government for volunteering. So that the load which is becoming worse day by day on workers of the hospital, police will get reduced.

2. CONCLUSIONS

Thus from the above research, we concluded that,

As a result, the load on the government will get reduced as well as people will be ready to self-defence. Some of the modules will definitely help to balance the economical condition, and will create the communication channel between the government and public. People don't need to visit the hospitals every time they can take the online counseling of a doctor so that physical distancing will reduce. Government will get to know about the travelling history of people so that the chain of COVID-19 will get reduced. The NGO's, farmers and people are getting connected, So that the farmers will get benefit in terms of money and no one will strive without food. Medicine sharing among different medical services will be possible. The Medical System helps the government to find the hotspot of COVID-19 by connecting the medicals and government. By using crowd detection techniques the people will keep

physical distancing to break the chain of COVID-19. Through this project by providing a module for volunteering the interested people can enthusiastically approach the government for volunteering. So that the load that is becoming worse day by day on workers of the hospital, police will get reduced.

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