TEAM NAME- TEAM.PUNJAB

TEAM LEADER- Jatin Aggarwal

TEAM MEMBERS-

1. Saksham Bhambota(CSE)

2. Aviral Mishra(CSE)

3. Anjali (CSE)

COLLEGE NAME- Chandigarh University

YEAR- 1st

STREAM- CSE (BIG DATA-1)

As per the rising effects of the corona virus in the world as well as in India, the number of patients are increasing day by day at very high rate.

As we know, there are less medical facilities and hospitals and ventilators in India. The doctors are less and the patients are increasing. So, as seen if a person as cough only, he immediately goes to the hospital for checking purpose. This has 2 losses –

1.   When the person goes to the hospital there is more chances that earlier if person might not be affected, but after going to hospital chances of the spread of the virus will be more, **hence if they person might not be effected earlier but now, he may can get infected.**

2.   Like this, if the person goes to be checked, this cause the time also, due to this there will be chance that actually infected person might

not get his checkup due to the crowd (or persons in hospital). **Due to this the infected person can be delayed and virus may spread.**

Further talking, the person can be able to know whether he is infected or not, by just staying in the home only and not going outside, **only if the probability is high** of corona virus, then only they should go outside. People are even not obeying the government policies of staying in home only.

Solution to the problem through code-

(CODE NAME- TESTING THE RIGHT PERSON)

1. Our code will first recognize the symptoms of the corona virus, from the patient who was tested +ve.

2.   Based on these symptoms, our code will ask the user to input the details in the form of yes or no, which will decide if the person has corona virus or not.

3.   Based on the symptoms entered by the user, we will decide the probability of having corona virus.

4.   If the probability is less than 30-40% we will recommend general precautions and if the probability is above 80% the person will be recommended to go hospital.

5.   The record of these high probability people will be given to the government, **so that they may not spread it to other people,** and they may not hide them from being quaternary.

6.   But, if the person has travelled from outside, he will be strongly recommended to go for the screening test.

RESULTS-

1. Based on this code, the person will get to know the danger of corona, awareness will be spread and the uninfected person without going to hospital will get to know that they are not infected.

2. Obviously, **this will help the doctors too**, as the unnecessary people will not go to the doctor, for their checkup and the doctors will give more care to the infected peoples.

3. People will be given general precaution methods, which will help to control the corona virus in India.

4. This will obviously save the time also, and will reduce the chances of getting infected, **as if it was before while going to hospital.**