# **TITLE : - FACE MASK RECOGNITION/ COVID-19**

## INTRODUCTION:-

The World Health Organisation (WHO) has declared the coronavirus disease 2019 (COVID-19) a pandemic. A global coordinated effort is needed to stop the further spread of the virus. A pandemic is defined as “occurring over a wide geographic area and affecting an exceptionally high proportion of the population.”

On 31 December 2019, a cluster of cases of pneumonia of unknown cause, in the city of Wuhan, Hubei province in China, was reported to the World Health Organisation. In January 2020, a previously unknown new virus was identified, subsequently named the 2019 novel coronavirus, and samples obtained from cases and analysis of the virus’ genetics indicated that this was the cause of the outbreak. This novel coronavirus was named Coronavirus Disease 2019 (COVID-19) by WHO in February 2020. The virus is referred to as SARS-CoV-2 and the associated disease is COVID-19.

Over 13.2 million cases of the novel coronavirus have been reported worldwide, with at least 5,75,000 deaths. As many as 7.33 million people have recovered from the infection

Typically Coronaviruses present with respiratory symptoms. Among those who will become infected, some will show no symptoms. Those who do develop symptoms may have a mild to moderate, but self-limiting disease with symptoms similar to the seasonal flu. Symptoms may include:

* Respiratory symptoms
* Fever
* Cough
* Shortness of breath
* Breathing difficulties
* Fatigue
* Sore throat

**WHY CORONA VIRUS IS HARMFUL :-**

## **No one is immune**

But it is a virus that has never been seen in humans, so absolutely no one is immune to it. That added to the fact that it spreads as easily from person to person as influenza, and infects the upper respiratory system, is what makes it so dangerous. Plus there is no vaccine.

Because the COVID-19 virus is found in the upper airway — including the mouth and nose — the infection can be spread through coughs, sneezes, huffing and puffing, and likely even loud talking, according to Forthal.

Moreover, we are learning that infected people are unknowingly spreading the virus days before they begin to experience symptoms. Some may not experience symptoms at all.

## **Age, sex, chronic conditions increase risk**

Forthal says mortality increases with age, with the highest case-fatality rates being observed in people over 70. “Children rarely have severe disease.

* **WAYS TO PREVENT COVID 19:-**

**1STAY**home

**2KEEP**a safe distance

**3WASH**hands often

**4COVER**your cough

**5SICK?**Call the helpline

* **POST COVID 19 PROBLEMS:-**

CORONAVIRUS is a transmittable disease. In India more than 50% of people depends on public transport which includes air , railways, taxis, buses, minibuses and many more. So, the major risks for its community spread can be Public transport. Respective State Govt. should release proper safety guidelines for passengers so that its(CORONAVIRUS) transmission can be controlled.

* **SOLUTION**:-

Wearing Mask in public and also while travelling in public transport should become mandatory and the defaulters should get punished.

1. To check that people are wearing masks a system has been proposed, in which people’s faces will be scanned before entering in any public transport. Every passenger will have to go through this facial scanning which will determine whether they are wearing masks or not.
2. If the person has worn the mask then only he/she will be allowed to enter , otherwise he/she will not be permitted.
3. This scanner will be very useful because it will reduce human to human contact, so the risk of spreading Coronavirus will be controlled.
4. We can easily install this device at the entrance of Airport, Railway Stations, Bus Stands and many other public places. Numerous check points could be made in order to ensure safe distancing and in order to avoid crowding.
5. People not wearing masks can be easily identified at the entrance and they will be not allowed to go further.
6. Also this device will create more awareness among public to cover their face

properly at public places and transport.