

COVID-19 Resistance Gate through Advance Technology

Ankit ramesh Wasnik

Mechanical Engineering Department, Annasaheb Dange College of Engineering and technology

Abstract- Initially observed that the whole world is infected by COVID-19 Coronavirus. Nowadays this virus Fastly spreading around the world. According to world Health organization there are no any vaccine and material against this pandemic. So in that article we will discuss about advance technology to avoid spreading of that virus. In that technology we Wii break the COVID-19 chains and overcome the spreading of virus.

Index terms- pandemic, spreading technology, virus

1. WORLD HEALTH ORGANIZATION

According to World Health Organization, this virus is originated by Wuhan through china. On 31 December 2019, the WHO China Country Office was informed of cases of pneumoniaun known etiology (unknown cause) detected in Wuhan City, Hubei Province of China. From 31 December 2019 through 3 January 2020, a total of 44 case-patients with pneumonia of unknown etiology were reported to WHO by the national authorities in China. On 11 and 12 January On 11 and 12 January 2020, WHO received further detailed information from the National Health Commission China. As month by month Coronavirus people are growing .WHO was declares the outbreak of the new coronavirus is a pandemic on March 11.202 by Nicole wetsman.

2. PANDEMIC ZONE

Humanity has various pandemic throughout the history. So we have observing whole world are disturb from that covid-19 coronavirus according to latest surveys out of the country the most of the country infected by the coronavirus so today 4th june 2020 total number of cases 6.29M , death's 380K and 3.1M recover. In USA the total number of cases 1.89M in that country daily new cases are come than 30 there are many countries which is having the more and more cases are come. Italy Spain and some and other countries are infected by covid-19 coronavirus.

Latest graphical representation is given by the www.worldmeter.in/coronavirus.

3. SYMPTOMS

Infected people will develop mild to moderate symptoms

- Fever
- Tiredness.
- Dry cough.

Some people may experience:

- Aches and pains.
- Nasal congestion.
- Runny nose.
- Sore throat.
- Diarrhoea.

4. CHARACTERISTIC OF THE CORONAVIRUS SPREADING

- Physical contact
Between people who are in close contact with one another.
- Dry cough
Through respiratory droplet produce when infected person cough and talk. This droplet can land in the mouth or nose of people who are nearby by the possibly be in holed into the lungs.
- Clean and disinfect
Cleaning of table light switch handle days phone keypad bottles etc.

5. PREVENTION AGAIN COVID-19

- Protect yourself through the physical contact
- Cloth face cover
- Cleaning your home
- Social distancing

6. TECHNOLOGY TO AVOID SPREADING COVID-19

1 Advanced technology

There are many technique is used to avoid the spreading of Coronavirus. The whole world is running to discover the vaccine but now there is no any vaccine. So we will represent the new technology which is having avoided the spreading of coronavirus. That Technology name has covid-19 the resistance Gate. In that article we are discuss about the technique to break down the virus chain and giving the over review about that advanced technology. Now we are introduced covid-19 resistance Gate in that India Gate which is having entrance and exist with channels Vineet hot channel second one is sanitizer channel third one is hot dry channel

Hot channel
Sanitizer channel
Hot dryer channel

Entrance human body into the channel which have virus particle on the body. After that another channel that is hot channel which having the maintain the temperature inside the channel up to 45 to 50 degree Celsius. From that technique some coronavirus particle get killed by temperature. Weather channel is sanitizing channel which spray the sanitizer on the human body to killed the coronavirus particles. Then last channel which is hot dryer channel in that channel hot air Spray to Human body if any particles not kill by the from that channel so this channel help to kill them. After that human come without virus practical.

2 .Mileage of technique

- a. Avoid the coronavirus particle enter into the crowd area (Hospital, society malls and railway stations etc.
- b. To avoid the coronavirus spreading.
- c. This technology is help to break the chain of covid-19.

3. Demerit of technique

- a. required temperature source to build up the temperature upto 40 to 45 degree Celsius
- b. It requires big size of channel section in which human can easily enter and exist.

- c. Require hot air dryer.

4. Application.

- a. Entry of hospital
- b. Entry of crowded area
- c. Entry of railway station. Etc.

7. CONCLUSION

This technique can be used anywhere this will be help to our society two killed or break the coronavirus effect.

REFERENCE

- [1] Armellino D, Walsh TJ, Petraitis V, Kowalski W. (2019). Assessment of focused multivector ultraviolet disinfection with shadow less delivery using 5-point multisided sampling of patient care equipment without manual-chemical disinfection. *Am J Infect Control* 47,409-414.
- [2] Armellino D GK, Thomas L, Walsh T, Petraitis V. (2020). Comparative evaluation of operating room terminal cleaning by two methods: Focused multivector ultraviolet (FMUV) versus manual-chemical disinfection *Am J Infect Contr* (Accepted).
- [3] ASHRAE. (2020). ASHRAE Resources Available to Address COVID-19 Concerns. (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Atlanta, GA).
- [4] Darnell MER, Subbarao K, Feinstone SM, Taylor DR. (2004). Inactivation of the coronavirus that induces severe acute respiratory syndrome, SARS-CoV. *J Virol Meth* 121,85-91.
- [5] Duan SM, Zhao XS, Wen RF, Huang JJ, Pi GH, Zhang SX, Han J, Bi SL, Ruan L, Dong XP. (2003). Stability of SARS Coronavirus in Human Specimens and Environment and its Sensitivity to Heating and Environment and UV Irradiation. *Biomed Environ Sci* 16,246-255