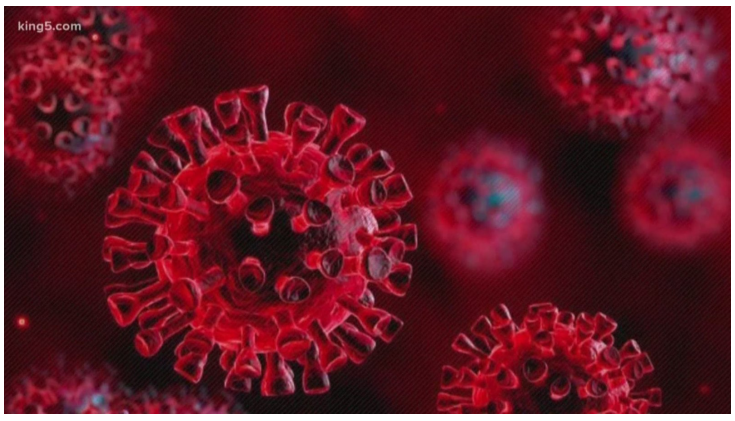
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Prophecy Sensorlytics offers bio-sensor technology to detect COVID-19

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The current technology is not based on specific RNA or DNA sequence but can detect the presence of viruses that are enveloped in spike proteins



Prophecy Sensorlytics Pvt. Ltd., the Indian subsidiary of MachineSense LLC, USA, has announced the development of a breakthrough in bio-sensor technology that detects Covid-19 and other spike protein viruses in the aerosol phase.

This new sensing technology is based on the properties of moving spike proteins and its colloidal interaction with specific liquids which generates reliable electrical signals detecting even a tiny droplet with 50-100 viruses in the aerosol phase.

The current technology is not based on specific RNA or DNA sequence but can detect the presence of viruses that are enveloped in spike proteins. Covid-19, Influenza and other cold viruses are enveloped in spike proteins and thus the new sensor will detect the presence of any of these common viruses in the air in any public space or gathering.

For the last six months, the R&D team of Prophecy Sensorlytics has tested this bio-sensor technology in various virology labs including the government-owned Rajiv Gandhi Center for Biotechnology (RGCB), Kerala, India.

The accuracy of the system has been verified with SARS-CoV-2 Pseudovirions, five strains of Influenza and other different types of viruses with spike proteins. It has also been used in local hospitals and clinics. The company has already filed two utility patents in India & the USA.