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<sup>a</sup> Desh Bhagat University, Department of Electronics and Communication Engineering, Punjab, India

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Believed to have been originated Chinese province Wuhan in December 2019, the coronavirus has said to cause 95 million cases with overall death rate of 2% of overall cases (as per Jan 2022). As per today China is still facing the threat of the virus emerging again. This fast-spreading pandemic virus poses a challenge at world level and proposes serious danger to people's health as well as the economy. With time and regions this virus has undergone several mutations resulting in rise of various other viruses, OMICRON being the latest. The most common and widely faced threat in this disease was in the case of asymptomatic patients, the ones who showed no symptoms and yet were carriers of this deadly virus. In recent times, many researchers have started exploring various methods for predicting the disease using various medical parameters. Few of the commonly used technologies for the same are Machine Learning and Artificial Intelligence. The present paper aims to exhibit the role of these technologies in predicting the virus presence. Various models used by the researchers in the prediction of the corona virus have been compiled and presented in this paper. © 2023 IEEE.

#### Author keywords

artificial intelligence; coronavirus; covid19; deep learning; hybrid techniques; machine learning; prediction techniques

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