

ABSTRACT

Covid-19 is a rapidly spreading viral disease that infects millions of lives all over the world. A clinical study of Covid-19 infected patients has shown that these types of patients are mostly infected from a lung infection after coming in contact with the disease. Whether the person has a virus or not is usually done by the PCR test. In addition to the PCR method, chest x-ray images can be classified with deep learning methods. Deep Learning is the most successful technique of Artificial Intelligence, which provides useful analysis to study a large amount of chest x-ray images that can critically impact on screening of covid-19. After cleaning up the images and applying data augmentation, deep learning-based CNN models were used to compare their performance with existing methods. The data set includes chest x-ray of patients with covid-19 and healthy patients. This project helps in diagnosing the covid-19 more accurate and quick than any other traditional methods.