

## ABSTRACT

The spread of COVID-19 in the whole world has put the humanity at risk. The resources of some of the largest economies are stressed out due to the large infectivity and transmissibility of this disease. The capability of ML models to forecast the number of upcoming patients affected by COVID-19 which is presently considered as a potential threat to mankind. In particular, four standard forecasting models, least absolute shrinkage and selection operator (LASSO) have been used in this study to forecast the threatening factors of COVID-19. Three types of predictions are made by each of the models, such as the number of newly infected cases, the number of deaths, and the number of recoveries But in the cannot predict the accurate result for the patients.

To overcome the issue, proposed method using LR (Linear Regression), LASSO (Least Absolute Shrinkage and Selection Operator), SVM (Support Vector Machine), ES (Exponential Smoothing) predict the number of COVID-19 cases in next 10 days ahead and effect of preventive measures like social isolation and lockdown on the spread of COVID-19.