**Related Literature**

With the onset of the pandemic, a lot of researches have taken place in both the developed and developing countries on the various aspects of the impact of the pandemic and related research papers have been published.

[1]Sengupta, Mugde and Sharma (2020) in their research paper ‘Covid-19 Pandemic Data Analysis and Forecasting using Machine Learning Algorithms’ have made predictions to estimate the date when the number of cases will reach the peak and when the curve will flatten in India using methods of Data analysis and Machine learning algorithms.

\bibitem{Sengupta}

Sengupta, Sohini, Sareeta Mugde, and Garima Sharma. "Covid-19 pandemic data analysis and forecasting using machine learning algorithms." *medRxiv* (2020). **doi:** https://doi.org/10.1101/2020.06.25.20140004

[2]Another research paper by Gupta, Pal and Kumar (2020), ‘Trend analysis and forecasting of covid-19 break in India’ used time series forecasting methods like ARIMA to predict the future trends in the rise of the corona virus positive cases in India.

\bibitem{Gupta}

Gupta, Rajan, and Saibal Kumar Pal. "Trend Analysis and Forecasting of COVID-19 outbreak in India." *MedRxiv* (2020). **doi:** https://doi.org/10.1101/2020.03.26.20044511

[3]Ajay Kumar Poddar and Brijendra Singh Yadav (2020) in their research paper ‘Impact of COVID-19 on Indian Economy- A Review’ have concluded the relationship between the pandemic and downfall of Indian Economy based on their null hypothesis.

\bibitem{Poddar}

Poddar and Yadav. “Impact of COVID-19 on Indian Economy- A Review” Journal of Humanities and Social Sciences Research, Horizon Journals (2020). doi: https://doi.org/10.37534/bp.jhssr.2020.v2.nS.id1033.p15

[4] ‘COVID - 19: Impact of the Lock down in the Indian Economy’ by Dhritabrata Paul (2020) shows the effect of pandemic on Indian Economy graphically which includes representation of unemployment rate based on CMIE data and various other related parameters.

\bibitem{Paul}

Paul, Dhritabrata. (2020). “Covid 19 Impact on Indian economy”. doi: 10.13140/RG.2.2.27275.23846.

[5]’ Prediction of Unemployment Rates with Time Series and Machine Learning Techniques’, by Christos Katris (2020) analyzed different machine learning (neural networks, support vector regression) and time series (ARIMA, FARIMA) models to predict unemployment rates of several countries.

\bibitem{Katris}

Katris, C. “Prediction of Unemployment Rates with Time Series and Machine Learning Techniques”. *Comput Econ* **55,**673–706 (2020). https://doi.org/10.1007/s10614-019-09908-9

[6]Sune karlsson and Farrukh Javed (2016), ‘Modeling and Forecasting Unemployment Rate In Sweden using various Econometric Measures’ used both univariate and multivariate time series models (SARIMA, SETAR, and VAR) and various macroeconomic variables to predict unemployment rate and presented the result with 95% forecasting confidence of SARIMA model. The paper also suggests that short term forecasting gives better result than long term.

\bibitem{Javed}

Meron, D. “*Modeling and Forecasting Unemployment Rate in Sweden using various Econometric Measures”*. Diss. M. SC. Thesis, Örebro University School of Business, Department of Applied Statistics, https://www. diva-portal. org/smash/get/diva2: 949512/FULLTEXT01. pdf., 59-68, 2016.