

Research Project on COVID-19

Research Area: Data Analytics, AI to model epidemic patterns and disease dynamics

Project Title: Lockdown as a COVID-19 Pandemic Mitigating Policy Intervention.

Expected Outcome: To measure the quantitative success of lockdown in different provinces of India during COVID-19 outbreak.

Expected Timeline: 01 Month

Remarks: We use publicly available timeline data on the Covid-19 outbreak for India to calculate the important quantifier of the outbreak, the sought-after R_t or the time varying reproduction number of the outbreak. This number can faithfully tell us the success of lockdown measures inside Indian states, as a containment policy for the spread of Covid-19 viral disease.

URL :

PI Details : Dr. Subhayan Mandal, Dr. Manoj Kumar, Dr. Debasish Sarkar, Department of Physics, MNIT Jaipur.

PI Email id : smandal.phy@mnit.ac.in, mkumar.phy@mnit.ac.in, debasish.phy@mnit.ac.in