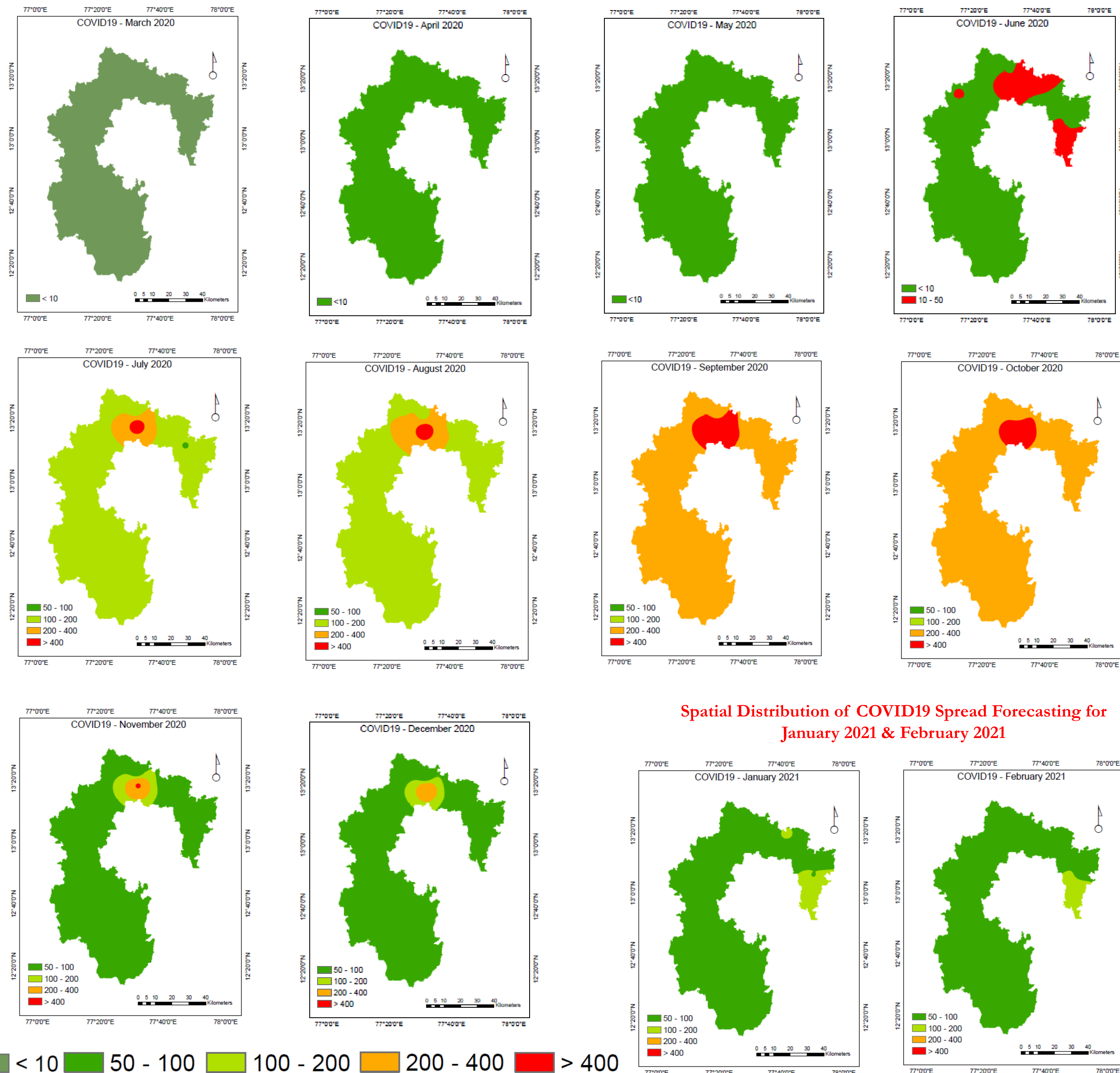


Prediction and Forecasting of COVID cases in Bangalore Rural, Karnataka, India

Spatial Distribution of COVID19 Spread Prediction from March 2020 – December 2020



Spatial Distribution of COVID19 Spread Forecasting for January 2021 & February 2021

Spatial Distribution of COVID19 Prediction & Forecasting

Introduction:

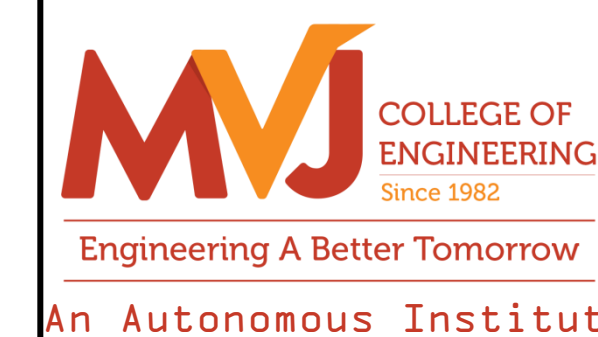
In India COVID cases is rapidly increasing day by day, at the same time people are relaxing without following the precaution measures like social distancing, wearing masks, use of sanitizers and periodic washing of hands as suggested by the government. In order to create the awareness and understanding virus spread, an attempt is made here on spatial distribution of COVID19 cases in Bangalore Rural Region which covers the areas Dobbaspeth, Nelamangala Town, Kalkunte, Ghati Subramanya, Sulibele, Dasarahalli, Hoskote, Devanagonthi, Thaverakere, Muddenahalli, Singahalli, Halekote, Shivagange, Bhattarahalli, Varadenahalli, Doddaballapura, Ramohalli.

Spatial Distribution (Prediction):

- COVID19 cases registered details are taken from “api.covid19india.org” for the period from March 2020 to December 2020.
- Shape file of the “Bangalore Rural regions is developed by the help of boundary clips using GIS, the map took from “bhuvan.nrsc.gov.in”
- Shape file for the attribute date is developed through GIS
- Interpolation of COVID19 Cases is done by using IDW Interpolation technique within the Boundary of Bangalore Rural Region from March 2020 to December 2020

Spatial Distribution (Forecasting):

- Interpolation is also done for the forecasted data through linear regression of COVID19 Cases during January 2021 and February 2021
- COVID19 cases are diminishing



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Topic: Prediction and Forecasting of COVID cases in Bangalore Rural, Karnataka, India

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